TECHNICAL MEMORANDUM

LANDAU ASSOCIATES
ENVIRONMENTAL | GEOTECHNICAL | NATURAL RESOURCES

TO: Joe Flaherty, Boeing Environment, Health, and Safety Remediation

FROM: Tim Syverson, Kathryn Hartley, and Chris Burke

DATE: December 12, 2011

RE: NORTH DETENTION POND SAMPLING RESULTS
BOEING STRIKER PROPERTY
KENT, WASHINGTON

INTRODUCTION

At the request of The Boeing Company (Boeing), Landau Associates conducted an investigation to document the current chemical quality of accumulated stormwater solids within and soils underlying the North Detention Pond located to the north of the Striker Property, on the west side of the Boeing Space Center at 20403 68th Avenue South, in Kent, Washington (subject property; Figure 1). The investigation was conducted as part of Boeing's pre-sale due diligence activities to document current site conditions and assess potential liabilities for Boeing due to its operations at the subject property. The scope of work (SOW) performed was established in our letter to Boeing dated October 18, 2011.

This technical memorandum summarizes the results of the soil and solids investigation conducted on November 1, 2011. The sampling locations and sample analytical results are shown on Figure 2. Table 1 summarizes the results of the soil and solids sampling analyses.

SOIL AND SOILS SAMPLING

On November 1, 2011, Landau Associates personnel mobilized to collect soil and stormwater solids samples from the North Detention Pond (NDP, Figure 2). The investigation included the collection of 21 samples from 12 locations to document the chemical quality of accumulated stormwater solids and underlying soils from the NDP. Sample locations were selected to provide spatial coverage of the NDP and included locations with ponded water, ditches leading into and out of the pond, and areas lower than the apparent high water mark of the pond where solids may have accumulated. At all locations, an attempt was made to collect two vertically discrete samples at approximate 1-foot (ft) intervals including samples of the accumulated stormwater solids (or of soil from the ground surface to a depth of 1 ft at locations where stormwater solids were not observed), and from the underlying soil (an interval from 1 to 2 ft below ground surface). Due to refusal at three locations, NDP-1, NDP-11 and NPD-12, only the upper sample interval could be collected. The samples were collected from both intervals as described above at the remaining locations.

Prior to all investigation activities, a one-call public utility clearance was requested to identify the location(s) of public subsurface utilities in the investigation area. The samples were collected at each location using a hand auger, or sediment core sampler. Samples from each interval were homogenized before being placed in the appropriate sample jars, except the samples to be analyzed for volatile organic compounds (VOCs), which were placed directly into the appropriate sample jars and not homogenized. All sampling equipment was decontaminated prior to sample collection at each interval.

The samples were delivered to Analytical Resources, Inc. (ARI) in Tukwila, Washington by a Landau Associates employee, under standard chain-of-custody procedures for analysis. All samples from the upper 1-ft interval collected during the investigation were submitted for analysis for VOCs by Method SW8260C, total petroleum hydrocarbons (TPH) using the hydrocarbon identification (HCID) method, and metals (arsenic, beryllium, cadmium, chromium, copper, lead, mercury, zinc) by Methods 6020 and 7040. The deeper samples collected were submitted to ARI and archived at the laboratory pending the analytical results for the shallower samples. Selected deeper samples were later analyzed for parameters that exceeded the screening levels in the corresponding upper-sample interval as described below.

SAMPLING RESULTS

The analytical results for the soil and solids samples were compared to preliminary Washington State Model Toxics Control Act (MTCA) Method B cleanup levels for screening purposes. The analytical results for the soil and solids samples are provided in Table 1 and are summarized as follows:

- Petroleum hydrocarbons in the diesel and gasoline ranges were not detected at concentrations greater than the laboratory reporting limits in the upper-interval samples by the HCID analysis. Therefore, none of the deeper samples were analyzed for petroleum hydrocarbons.
- VOCs were detected in each of the 12 upper-interval samples, at concentrations greater than the laboratory reporting limits, but less than the screening levels. Acetone was detected in each of the 12 samples; methylene chloride was detected in 8 samples (NDP-2, NDP-3, NDP-4, NDP-6, NDP-7, NDP-9, NDP-10, and NDP-12); and 2-butanone was detected at sampling locations NDP-1 and NDP-9. The compound 4-methyl-2-pentanone was detected at sampling location NDP-1 at a concentration greater than the laboratory reporting limit. There are no screening levels available for this compound. None of the samples collected from the lower interval was analyzed for VOCs.
- Arsenic was detected in each of the 12 upper-interval samples at concentrations greater than the laboratory reporting limits. The detected arsenic concentrations at 5 of the 12 locations were greater than the screening level [7 milligrams per kilogram (mg/kg)]: NDP-1 (21.0 mg/kg), NDP-2 (10.1 mg/kg), NDP-4 (13.2 mg/kg), NDP-5 (7.6 mg/kg), and NDP-6 (10.8 mg/kg). The deeper-interval samples collected at these locations were subsequently analyzed for arsenic, except for location NDP-1, where a deeper sample interval was not collected due to refusal. Arsenic was detected in each of the four deeper-interval samples submitted for analysis at concentrations greater than the laboratory reporting limits. The detected concentrations ranged from 4.0 mg/kg to 5.8 mg/kg and were less than in the shallower sample from the same location, and were all less than the screening level.

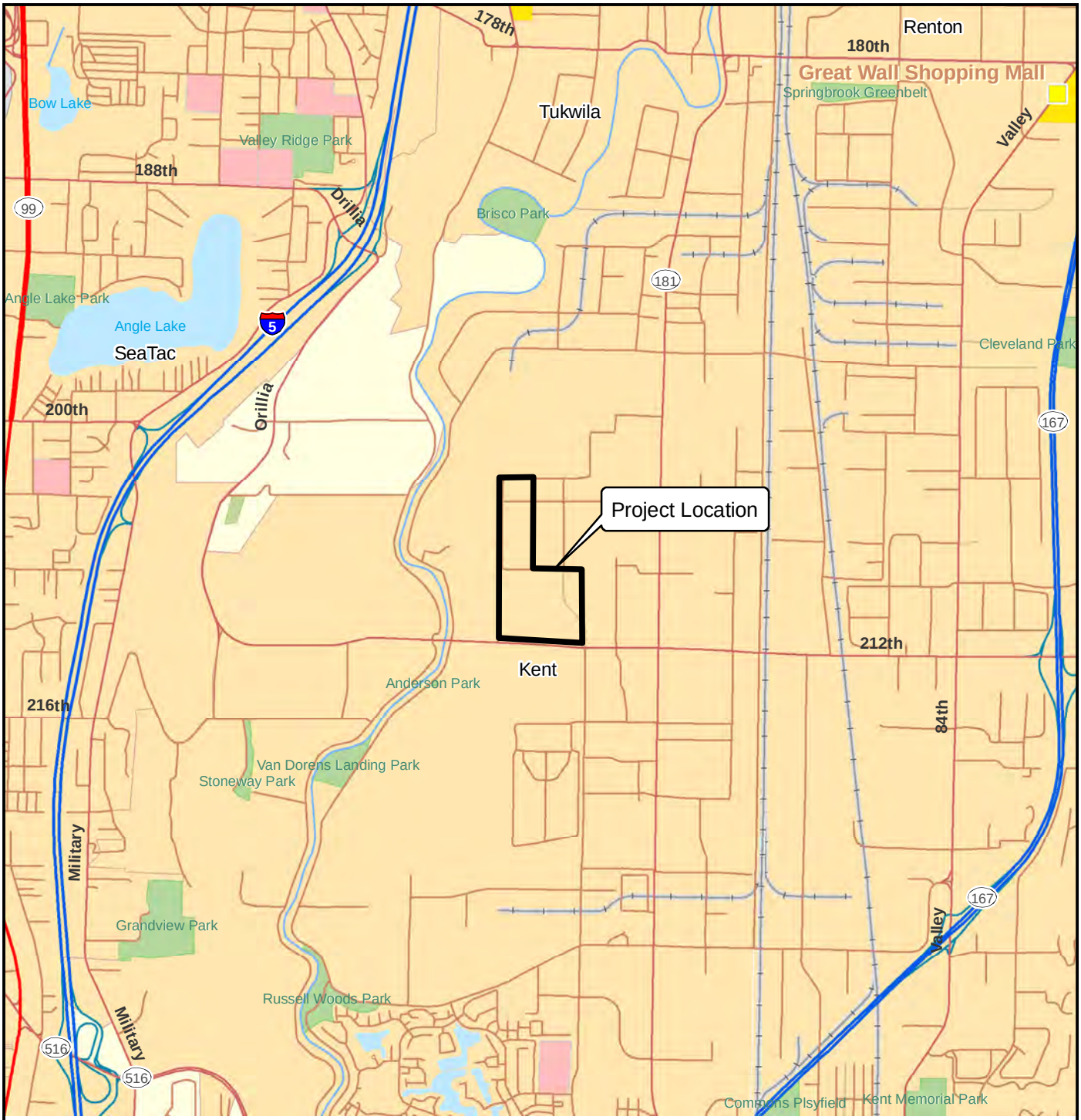
- Copper was detected in the upper-interval sample at NDP-1 at a concentration of 295 mg/kg, which is slightly greater than the screening level of 260 mg/kg. Cadmium was detected in this sample at a concentration of 1.7 mg/kg, which is slightly greater than the screening level of 1 mg/kg. As previously indicated, a deeper-interval sample was not collected at NDP-1.
- Beryllium, chromium, lead, mercury, and zinc were detected at concentrations greater than the laboratory reporting limits at all of the sampling locations, but the detected concentrations were all less than the respective screening levels.

CONCLUSIONS AND RECOMMENDATIONS

The purpose of the soil and solids investigation discussed above was to document the current chemical quality of the accumulated stormwater solids within and soils underlying the NDP. The analytical results for the samples collected indicate that only metals (primarily arsenic) were detected at concentrations greater than the screening levels, which were based on preliminary MTCA Method B cleanup levels. The detected concentrations in the deeper samples from the locations where the shallow metals concentrations were greater than the screening levels are all less than the screening levels. The detected metals concentrations are similar to concentrations found within stormwater solids and do not represent a potential threat to human health or the environment. Based on the findings of the investigation, further evaluation is not warranted. However, due to the presence of metals, any planning for removal of solids or soil from the pond should include provisions for appropriate handling and disposal of the material in accordance with applicable regulations.

ATTACHMENTS

Figure 1: Vicinity Map
Figure 2 North Detention Pond Sampling Locations and Arsenic Exceedances
Table 1: Soil and Solids Analytical Results
Attachment 1: Laboratory Analytical Reports (on CD-ROM)



Data Source: ESRI 2008

Y:\Projects\025195\Mapdocs\Fig1.mxd 7/20/2010

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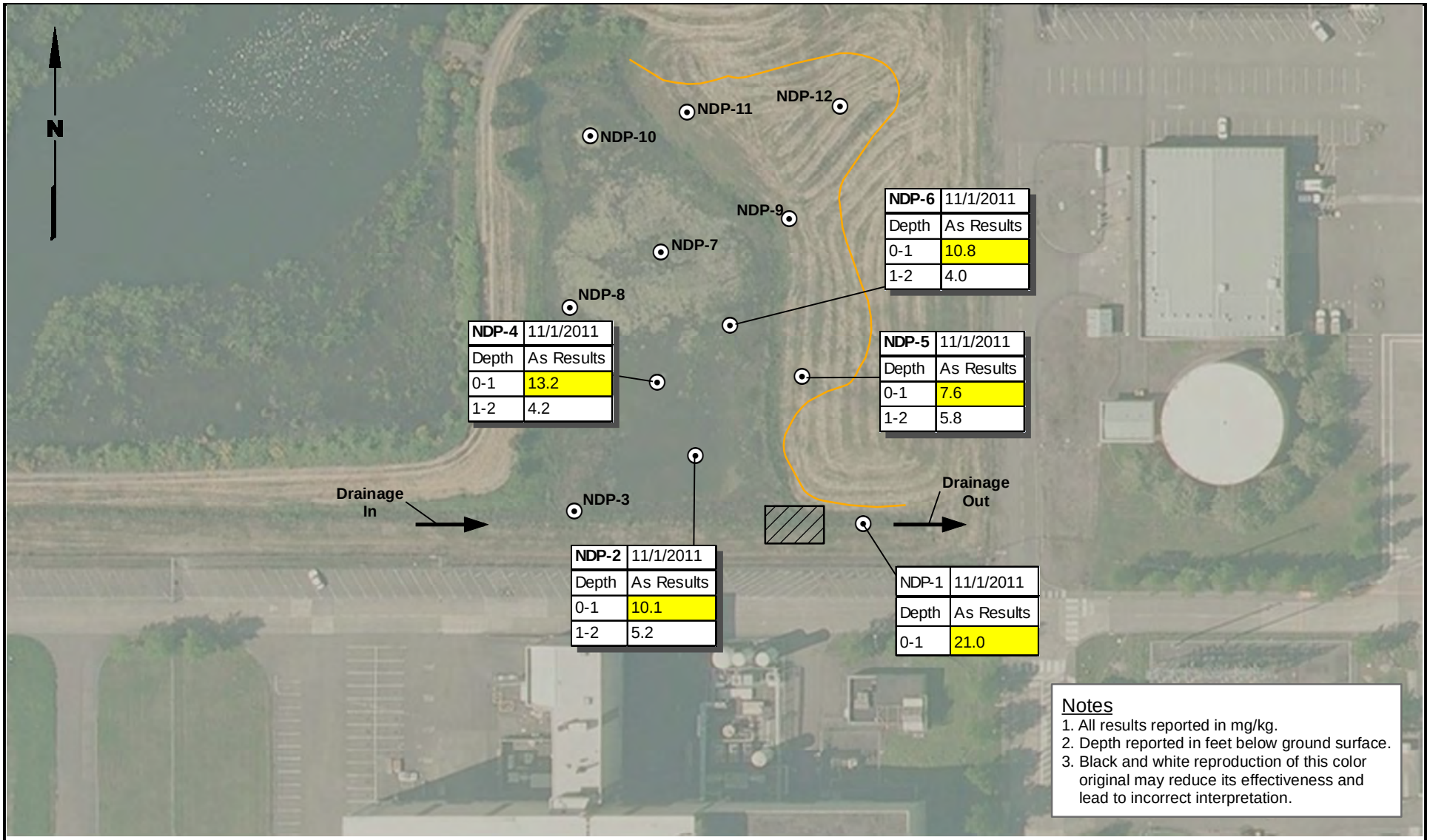
Project Striker Kent, Washington	**Vicinity Map**	Figure 1

Y:\Projects\025195\Mapdocs\North Detention Pond Sediment Sampling\Fig2SedimentSamplingLocations mxd 12/6/2011 NAD 1983 StatePlane Washington North FIPS 4601 Feet



Legend

Solids/Soil Sampling Locations

Indicates Exceedance of Screening Level

Flow Direction

Approximate Terrace Bench

Dam

Data Source: ESRI World Imagery

0 100 200

Scale in Feet

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Project Striker
Kent, Washington

North Detention Pond Sampling Locations and Arsenic Exceedances

Figure 2

TABLE 1
SOIL ANALYTICAL RESULTS
NORTH DETENTION POND
BOEING STRIKER PROPERTY – KENT, WASHINGTON

	MCTA Method B Screening Levels	NDP-1(0-0.5) TU89E 11/01/2011	NDP-2(0-1) TU89D 11/01/2011	NDP-2(1-2) TW18A 11/1/2011	NDP-3(0-1) TU89C 11/01/2011	NDP-4(0-1) TU89H 11/01/2011	NDP-4(1-2) TW18C 11/1/2011	NDP-5(0-1) TU89L 11/01/2011	NDP-5(1-2) TW18D 11/1/2011	NDP-6(0-1) TU89G 11/01/2011	NDP-6(1-2) TW18B 11/1/2011	NDP-7(0-1) TU89B 11/01/2011	NDP-8(0-1) TU89I 11/01/2011	NDP-9(0-1) TU89A 11/01/2011	NDP-10(0-1) TU89F 11/01/2011	NDP-11(0-1) TU89J 11/01/2011	NDP-12(0-1) TU89K 11/01/2011
HCID (mg/kg)																	
Method NWTPH-HCID																	
Gasoline Range Organics	100	36 U	20 U	NA	20 U	20 U	NA	20 U	NA	20 U	NA	20 U	20 U	20 U	20 U	20 U	20 U
Diesel Range Organics	2,000	89 U	50 U	NA	50 U	50 U	NA	50 U	NA	50 U	NA	50 U	50 U	50 U	50 U	50 U	50 U
Lube Oil	2,000	180 U	100 U	NA	100 U	100 U	NA	100 U	NA	100 U	NA	100 U	100 U	100 U	100 U	100 U	100 U
TOTAL METALS (mg/kg)																	
Methods EPA200.8/SW7471A																	
Arsenic	7	**21.0**	**10.1**	**5.2** J	**6.7**	**13.2**	**4.2**	**7.6**	**5.8**	**10.8**	**4.0**	**6.6**	**6.4**	**5.9**	**7.0**	**6.7**	**5.7**
Beryllium	2	0.7 U	**0.4**	NA	**0.4**	**0.4**	NA	**0.5**	NA	**0.4**	NA	**0.5**	**0.6**	**0.4**	**0.3**	**0.4**	**0.3**
Cadmium	1	**1.7**	**0.7**	NA	**0.6**	**0.5**	NA	**0.2**	NA	**0.2**	NA	**0.3**	0.1 U	**0.2**	0.2 U	**0.2**	0.1 U
Chromium	120,000	**49**	**21.3**	NA	**17.9**	**20.5**	NA	**19.5**	NA	**17.0**	NA	**17.4**	**20.3**	**15.7**	**17.0**	**16.7**	**22.4**
Copper	260	**295**	**63.4**	NA	**62.7**	**51.6**	NA	**40.4**	NA	**50.3**	NA	**45.7**	**42.3**	**30.6**	**30.7**	**29.4**	**20.5**
Lead	250	**132**	**27.8**	NA	**36.6**	**27.1**	NA	**15.8**	NA	**26.7**	NA	**14.2**	**12.0**	**66.8** J	**9.8**	**88.3**	**7.3**
Mercury	2.1	**0.33**	**0.06**	NA	**0.07**	**0.07**	NA	**0.07**	NA	**0.05**	NA	**0.09**	**0.05**	**0.04**	**0.05**	**0.05**	0.02 U
Zinc	6,000	**400**	**147**	NA	**122**	**144**	NA	**67**	NA	**87**	NA	**65**	**57**	**62**	**54**	**50**	**40**
VOLATILES (µg/kg)																	
Method SW8260C																	
Chloromethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Bromomethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Vinyl Chloride	1.8	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Chloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Methylene Chloride	22	8.2 U	**3.9**	NA	**3.6**	**3.1**	NA	2.7 U	NA	**4.6**	NA	**4.7**	2 9 U	**4.2**	**4.7**	2.3 U	**1.7**
Acetone	3,200	**390**	**48**	NA	**61**	**28**	NA	**120**	NA	**50**	NA	**28**	**24**	**140**	**37**	**48**	**32**
Carbon Disulfide	5,700	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1-Dichloroethene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1-Dichloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
trans-1,2-Dichloroethene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
cis-1,2-Dichloroethene	350	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Chloroform		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2-Dichloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
2-Butanone	20,000	**28**	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	**10**	8.9 U	5.7 U	4.2 U
1,1,1-Trichloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Carbon Tetrachloride		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Vinyl Acetate		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
Bromodichloromethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2-Dichloropropane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
cis-1,3-Dichloropropene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Trichloroethene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Dibromochloromethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1,2-Trichloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Benzene	28	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
trans-1,3-Dichloropropene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
2-Chloroethylvinylether		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
Bromoform		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
4-Me hyl-2-Pentanone (MIBK)		**29** M	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
2-Hexanone		280 U	8.0 U	NA	7.4 U	7.3 U	NA	51 U	NA	9.1 U	NA	7.9 U	7 3 U	76 U	8.9 U	36 U	35 U
Tetrachloroethene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1,2,2-Tetrachloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Toluene	4,700	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Chlorobenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Ethylbenzene	6,000	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Styrene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Trichlorofluoromethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1,2-Trichloro-1,2,2-trifluoroethane		8.2 U	3.2 U	NA	3.0 U	2.9 U	NA	2.7 U	NA	3.6 U	NA	3.2 U	2 9 U	2.7 U	3.6 U	2.3 U	1.7 U
m, p-Xylene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
o-Xylene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2-Dichlorobenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U

TABLE 1
SOIL ANALYTICAL RESULTS
NORTH DETENTION POND
BOEING STRIKER PROPERTY – KENT, WASHINGTON

	MCTA Method B Screening Levels	NDP-1(0-0.5) TU89E 11/01/2011	NDP-2(0-1) TU89D 11/01/2011	NDP-2(1-2) TW18A 11/1/2011	NDP-3(0-1) TU89C 11/01/2011	NDP-4(0-1) TU89H 11/01/2011	NDP-4(1-2) TW18C 11/1/2011	NDP-5(0-1) TU89L 11/01/2011	NDP-5(1-2) TW18D 11/1/2011	NDP-6(0-1) TU89G 11/01/2011	NDP-6(1-2) TW18B 11/1/2011	NDP-7(0-1) TU89B 11/01/2011	NDP-8(0-1) TU89I 11/01/2011	NDP-9(0-1) TU89A 11/01/2011	NDP-10(0-1) TU89F 11/01/2011	NDP-11(0-1) TU89J 11/01/2011	NDP-12(0-1) TU89K 11/01/2011
1,3-Dichlorobenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,4-Dichlorobenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Acrolein		200 U	80 U	NA	74 U	73 U	NA	69 U	NA	91 U	NA	79 U	73 U	67 U	89 U	57 U	42 U
Methyl Iodide		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Bromoethane		8.2 U	3.2 U	NA	3.0 U	2.9 U	NA	2.7 U	NA	3.6 U	NA	3.2 U	2 9 U	2.7 U	3.6 U	2.3 U	1.7 U
Acrylonitrile		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
1,1-Dichloropropene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Dibromomethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,1,1,2-Tetrachloroethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2-Dibromo-3-chloropropane		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
1,2,3-Trichloropropane		8.2 U	3.2 U	NA	3.0 U	2.9 U	NA	2.7 U	NA	3.6 U	NA	3.2 U	2 9 U	2.7 U	3.6 U	2.3 U	1.7 U
trans-1,4-Dichloro-2-butene		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
1,3,5-Trimethylbenzene	4,000,000	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2,4-Trimethylbenzene	4,000,000	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Hexachlorobutadiene		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
Ethylene Dibromide		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Bromochloromethane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
2,2-Dichloropropane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,3-Dichloropropane		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Isopropylbenzene	--	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
n-Propylbenzene	--	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
Bromobenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
2-Chlorotoluene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
4-Chlorotoluene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
tert-Butylbenzene		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
sec-Butylbenzene	--	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
4-Isopropyltoluene	--	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
n-Butylbenzene	--	4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U
1,2,4-Trichlorobenzene		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
Naphthalene	4,500	20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
1,2,3-Trichlorobenzene		20 U	8.0 U	NA	7.4 U	7.3 U	NA	6.9 U	NA	9.1 U	NA	7.9 U	7 3 U	6.7 U	8.9 U	5.7 U	4.2 U
Methyl tert-Butyl Ether		4.1 U	1.6 U	NA	1.5 U	1.5 U	NA	1.4 U	NA	1.8 U	NA	1.6 U	1 5 U	1.3 U	1.8 U	1.1 U	0.8 U

U = Indicates the compound was not detected at the reported concentration.
M = Indicates an estimated value of analyte found and confirmed by analyst but wi h low spectral match.
J = Indicates the analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
Bold = Detected compound.
Box = Detected concentration is greater han screening level.

ATTACHMENT 1

Laboratory Analytical Reports (on CD-ROM)

Analytical Resources, Incorporated
Analytical Chemists and Consultants

November 7, 2011

Kathryn Hartley
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Boeing Striker: North Detention Pond, 025195.040.045
ARI Job: TU89

Dear Kathryn,

Enclosed please find the original and revised Chain-of-Custody (COC) records, sample receipt documentation, email documentation, and the final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted six soil samples, fifteen solid samples, and a trip blank on November 1, 2011. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form. Select samples were placed on hold pending further instructions.

The samples were analyzed for VOCs, NWTPH-HCID, and Total Metals, as requested on the COC.

N-Butylbenzene was out of control high in the VOCs continuing calibration. The calibration met overall acceptance criteria. There were no detections for this compound in the samples. "Q" qualifiers have been applied to the form III to indicate this outage.

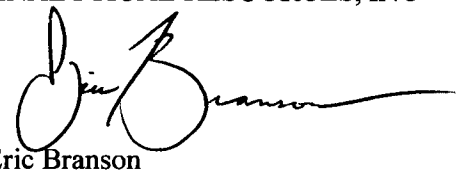
Naphthalene was out of control high in the VOCs LCSD. It was in control in the LCS. The LCS and LCSD met overall acceptance criteria. There were no detections for this compound in the samples.

Lead was recovered out of control high in the Total Metals matrix spike. All other quality control measures passed, and no further corrective action was taken.

There were no other analytical complications noted.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC



Eric Branson
Project Manager
-for-
Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com
www.arilabs.com

4611 South 134th Place, Suite 100 • Tukwila WA 98168 • **206-695-6200** • **206-695-6201** fax

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: TU89
Client: Landau Associates, Inc.
Project Event: 025195.040.045
Project Name: Boeing Striker: North Detention Pon

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	NDP-9(0-1)-111101	TU89A	11-25251	Soil	11/01/11 09:30	11/01/11 16:25
2.	NDP-7(0-1)-111101	TU89B	11-25252	Solid	11/01/11 10:30	11/01/11 16:25
3.	NDP-3(0-1)-111101	TU89C	11-25253	Soild	11/01/11 11:00	11/01/11 16:25
4.	NDP-2(0-1)-111101	TU89D	11-25254	Solid	11/01/11 11:30	11/01/11 16:25
5.	NDP-1(0-0.5)-111101	TU89E	11-25255	Solid	11/01/11 12:00	11/01/11 16:25
6.	NDP-10(0-1)-111101	TU89F	11-25256	Solid	11/01/11 12:20	11/01/11 16:25
7.	NDP-6(0-1)-111101	TU89G	11-25257	Solid	11/01/11 12:40	11/01/11 16:25
8.	NDP-4(0-1)-111101	TU89H	11-25258	Solid	11/01/11 13:00	11/01/11 16:25
9.	NDP-8(0-1)-111101	TU89I	11-25259	Solid	11/01/11 14:00	11/01/11 16:25
10.	NDP-11(0-1)-111101	TU89J	11-25260	Soil	11/01/11 14:20	11/01/11 16:25
11.	NDP-12(0-1)-111101	TU89K	11-25261	Soil	11/01/11 14:40	11/01/11 16:25
12.	NDP-5(0-1)-111101	TU89L	11-25262	Soil	11/01/11 15:00	11/01/11 16:25
13.	NDP-9(1-2)-111101	TU89M	11-25263	Soil	11/01/11 09:45	11/01/11 16:25
14.	NDP-7(1-2)-111101	TU89N	11-25264	Solid	11/01/11 10:45	11/01/11 16:25
15.	NDP-3(1-2)-111101	TU89O	11-25265	Solid	11/01/11 11:15	11/01/11 16:25
16.	NDP-2(1-2)-111101	TU89P	11-25266	Solid	11/01/11 11:45	11/01/11 16:25
17.	NDP-10(1-2)-111101	TU89Q	11-25267	Solid	11/01/11 12:25	11/01/11 16:25
18.	NDP-6(1-2)-111101	TU89R	11-25268	Solid	11/01/11 12:45	11/01/11 16:25
19.	NDP-4(1-2)-111101	TU89S	11-25269	Solid	11/01/11 13:15	11/01/11 16:25
20.	NDP-8(1-2)-111101	TU89T	11-25270	Solid	11/01/11 14:05	11/01/11 16:25
21.	NDP-5(1-2)-111101	TU89U	11-25271	Soil	11/01/11 15:05	11/01/11 16:25
22.	Trip Blanks	TU89V	11-25272	Water	11/01/11	11/01/11 16:25

Printed 11/07/11

Subject: Boeing Striker North Detention Pond sampling
From: "Chris Burke" <cburke@landauinc.com>
Date: Wed, 2 Nov 2011 13:37:18 -0700
To: Kelly Bottem <kellyb@arilabs.com>
CC: "Kathryn Hartley" <khartley@landauinc.com>

Hey Kelly,

Kathryn and I noticed a few errors on the COC from yesterday's sampling at the Striker property. I've edited the COCs and attached a scan of those edits.

The changes I made were:
- fixed the sample IDs to use proper date format, i.e., NDP-1(0-1)-110111 became the correct NDP-1(0-1)-111101
- Changed matrix type from sediment to solids
- Checked VOCs analysis for the trip blanks
-Added 'Boeing' to the project name

I highlighted all the changes for clarity, let me know if you have any questions,

Chris Burke ¨ Senior Staff Hydrogeologist
Landau Associates, Inc.
130 2nd Ave. S, Edmonds, WA 98020
425.329.0297¨ fax 425.778.6409¨ cell 716.579.2975
cburke@landauinc.com ¨ http://www.landauinc.com

Boeing Striker NPD COC 110111 - revised.pdf	**Content-Description:**	Boeing Striker NPD COC 110111 - revised.pdf
	Content-Type:	application/pdf
	Content-Encoding:	base64

[redacted]

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LANDAU ASSOCIATES

Date
Page of 2

Chain-of-Custody Record

Project Name Boeing [illegible] Project No. [illegible]

Project Location/Event [illegible]

Sampler's Name [illegible]

Project Contact [illegible]

Send Results To [illegible]

Turnaround Time
Standard
Accelerated
X 3-day

Testing Parameters

Sample I.D.	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive
NDP-9(0-1)-~~H0111~~	11/1/11	0930	Soil	7	X	X	X	
NDP-9(1-2)-~~H0111~~	11/1/11	0945	Soil	7				X
NDP-7(0-1)-~~H0111~~	11/1/11	1030	~~Sediment~~	7	X	X	X	
NDP-7(1-2)-~~H0111~~	11/1/11	1045	~~Sediment~~	7				X
NDP-3(0-1)-~~H0111~~	11/1/11	1100	~~Sediment~~	7	X	X	X	
NDP-3(1-2)-~~H0111~~	11/1/11	1115	~~Sediment~~	7				X
NDP-2(0-1)-~~H0111~~	11/1/11	1130	~~Sediment~~	7	X	X	X	
NDP-2(1-2)-~~H0111~~	11/1/11	1145	~~Sediment~~	7				X
NDP-1(0-0.5)-~~H0111~~	11/1/11	1200	~~Sediment~~	7	X	X	X	
NDP-10(0-1)-~~H0111~~	11/1/11	1220	~~Sediment~~	7	X	X	X	
NDP-10(1-2)-~~H0111~~	11/1/11	1225	~~Sediment~~	7				X
NDP-6(0-1)-~~H0111~~	11/1/11	1240	~~Sediment~~	7	X	X	X	
NDP-6(1-2)-~~H0111~~	11/1/11	1245	~~Sediment~~	7				X
NDP-4(0-1)-~~H0111~~	11/1/11	1300	~~Sediment~~	7	X	X	X	
NDP-4(1-2)-~~H0111~~	11/1/11	1315	~~Sediment~~	7				X
NDP-8(0-1)-~~H0111~~	11/1/11	1400	~~Sediment~~	7	X	X	X	
NDP-8(1-2)-~~H0111~~	11/1/11	1405	~~Sediment~~	7				X
NDP-11(0-1)-~~H0111~~	11/1/11	1420	Soil	7	X	X	X	

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to ___ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other * [illegible]
** metals As, Pb, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment [illegible]

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature	Signature	Signature
Printed Name Chris Burke	Printed Name [illegible]	Printed Name	Printed Name
Company Landau	Company	Company	Company
Date 11/1/11 Time [illegible]	Date 11/1/11 Time [illegible]	Date Time	Date Time

WHITE COPY - Project File **YELLOW COPY - Laboratory** **PINK COPY - Client Representative**

Rev 8/06

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[redacted]

LANDAU ASSOCIATES

Date 11/1/11
Page 3 of 3

Chain-of-Custody Record

Project Name [redacted] Staker: North Drainage Pond   Project No. 025195.070.075

Project Location/Event Kent WA

Sampler's Name CFG/MVB

Project Contact Kathryn Hartley, Tim Syverson

Send Results To ", Tim, CFG, Joe Flaherty

Testing Parameters

Turnaround Time
☐ Standard
☐ Accelerated

Sample I.D.	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive	Observations/Comments
NDP-12(0-1)-110111 [redacted]	11/1/11	1440	Soil	7	X	X	X		
NDP-5(0-1)-110111	11/1/11	1500	Soil	7	X	X	X		
NDP-5(1-2)-110111	11/1/11	1505	Soil	7				X	
Trip Blanks			Water	~~8~~ 6 MVB 11/1/11					

Observations/Comments

_X_ Allow water samples to settle, collect aliquot from clear portion

_X_ NWTPH-Dx run acid wash/silica gel cleanup

___ run samples standardized to ___ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other *Hold VOCs until HCID results are in.
** metals: As, Be, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment Deliver to ARI

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature [signature]	Signature	Signature
Printed Name Chris Beere	Printed Name	Printed Name	Printed Name
Company Landau	Company	Company	Company
Date 11/1/11 Time 1625	Date Time 1625	Date Time	Date Time

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☐ _____

Chain-of-Custody Record

Date 11/1/11
Page 1 of 2

Project Name Steiker: North Detention Pond Project No. 025195.040.045
Project Location/Event Kent, WA
Sampler's Name CFB / MWB
Project Contact Kathryn Hartley, Tim Syverson
Send Results To ", TLS, CFB, Joe Flaherty

Turnaround Time
☐ Standard
☐ Accelerated
☒ 3-day

Sample I.D.	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive
NDP-9(0-1)-110111	11/1/11	0930	Soil	7	X	X	X	
NDP-9(1-2)-110111	11/1/11	0945	Soil	7				X
NDP-7(0-1)-110111	11/1/11	1030	Sediment	7	X	X	X	
NDP-7(1-2)-110111	11/1/11	1045	Sediment	7				X
NDP-3(0-1)-110111	11/1/11	1100	Sediment	7	X	X	X	
NDP-3(1-2)-110111	11/1/11	1115	Sediment	7				X
NDP-2(0-1)-110111	11/1/11	1130	Sediment	7	X	X	X	
NDP-2(1-2)-110111	11/1/11	1145	Sediment	7				X
NDP-1(0-0.5)-110111	11/1/11	1200	Sediment	7	X	X	X	
NDP-10(0-1)-110111	11/1/11	1220	Sediment	7	X	X	X	
NDP-10(1-2)-110111	11/1/11	1225	Sediment	7				X
NDP-6(0-1)-110111	11/1/11	1240	Sediment	7	X	X	X	
NDP-6(1-2)-110111	11/1/11	1245	Sediment	7				X
NDP-4(0-1)-110111	11/1/11	1300	Sediment	7	X	X	X	
NDP-4(1-2)-110111	11/1/11	1315	Sediment	7				X
NDP-8(0-1)-110111	11/1/11	1400	Sediment	7	X	X	X	
NDP-8(1-2)-110111	11/1/11	1405	Sediment	7				X
NDP-11(0-1)-110111	11/1/11	1420	Soil	7	X	X	X	

Observations/Comments

_X_ Allow water samples to settle, collect aliquot from clear portion

_X_ NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other * Hold 6x+Dx until HCID results are in
** metals: As, Be, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment Dropped @ ARI

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name Chris Burke	Printed Name A. Volgardsen	Printed Name	Printed Name
Company Landau	Company ARI	Company	Company
Date 11/1/11 Time 1625	Date 11/1/11 Time 1625	Date Time	Date Time

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Chain-of-Custody Record

TS

Date 11/1/11
Page 2 of 2

Project Name Striker: North Detention Pond Project No. 025195.040.045
Project Location/Event Kent, WA
Sampler's Name CFB/MWB
Project Contact Kathryn Hartley, Tim Syverson
Send Results To ", TLS, CFB, Joe Flaherty

Turnaround Time
☐ Standard
☐ Accelerated
☒ 3-day

Sample I.D.	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive
NDP-12 (0-1)-110111	11/1/11	1440	Soil	7	X	X	X	
NDP-5 (0-1)-110111	11/1/11	1500	Soil	7	X	X	X	
NDP-5 (1-2)-110111	11/1/11	1505	Soil	7				X
Trip Blanks			water	~~6~~ MWB	11/1/11			

Testing Parameters

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to _____ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other *Hold Cx+Dx until HCID Results are in
**metals: As, Be, Cd, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment Deliver to ART

Relinquished by	Received by	Relinquished by	Received by
Signature	Signature	Signature	Signature
Printed Name: Chris Breese	Printed Name: A. Voigardsen	Printed Name	Printed Name
Company: LANDAU	Company: ART	Company	Company
Date: 11/1/11 Time: 1625	Date: 11/1/11 Time: 1625	Date Time	Date Time

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Rev 8/09

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client: Boeing
Project Name: Striker: North Detention Pond
COC No(s): (NA)
Delivered by: Fed-Ex UPS Courier Hand Delivered Other:
Assigned ARI Job No: TV97
Tracking No: (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	(YES)	NO
Were custody papers included with the cooler?	(YES)	NO
Were custody papers properly filled out (ink, signed, etc)	(YES)	NO

Temperature of Cooler(s) (°C) (recommended 2 0-6 0 °C for chemistry): 5.9 3.3
If cooler temperature is out of compliance fill out form 00070F
Temp Gun ID#: 90241619

Cooler Accepted by: AV Date: 11/1/11 Time: 1625

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? Bubble Wrap (Wet Ice) Gel Packs (Baggies) Foam Block (Paper) Other:			
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI.	NA	10-21-11	

Was Sample Split by ARI: (NA) YES Date/Time: Equipment: Split by:

Samples Logged by: TS Date: 11-2-1 Time: 805

***** Notify Project Manager of discrepancies or concerns *****

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Trip blank 1 pb

By: TS Date: 11-2-1

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm	
			Small → "sm"
			Peabubbles → "pb"
			Large → "lg"
			Headspace → "hs"

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-9(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89A
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 12:44

Sample Amount: 3.71 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 26.6%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.3	< 1.3	U
74-83-9	Bromomethane	1.3	< 1.3	U
75-01-4	Vinyl Chloride	1.3	< 1.3	U
75-00-3	Chloroethane	1.3	< 1.3	U
75-09-2	**Methylene Chloride**	**2.7**	**4.2**	
67-64-1	**Acetone**	**6.7**	**140**	
75-15-0	Carbon Disulfide	1.3	< 1.3	U
75-35-4	1,1-Dichloroethene	1.3	< 1.3	U
75-34-3	1,1-Dichloroethane	1.3	< 1.3	U
156-60-5	trans-1,2-Dichloroethene	1.3	< 1.3	U
156-59-2	cis-1,2-Dichloroethene	1.3	< 1.3	U
67-66-3	Chloroform	1.3	< 1.3	U
107-06-2	1,2-Dichloroethane	1.3	< 1.3	U
78-93-3	**2-Butanone**	**6.7**	**10**	
71-55-6	1,1,1-Trichloroethane	1.3	< 1.3	U
56-23-5	Carbon Tetrachloride	1.3	< 1.3	U
108-05-4	Vinyl Acetate	6.7	< 6.7	U
75-27-4	Bromodichloromethane	1.3	< 1.3	U
78-87-5	1,2-Dichloropropane	1.3	< 1.3	U
10061-01-5	cis-1,3-Dichloropropene	1.3	< 1.3	U
79-01-6	Trichloroethene	1.3	< 1.3	U
124-48-1	Dibromochloromethane	1.3	< 1.3	U
79-00-5	1,1,2-Trichloroethane	1.3	< 1.3	U
71-43-2	Benzene	1.3	< 1.3	U
10061-02-6	trans-1,3-Dichloropropene	1.3	< 1.3	U
110-75-8	2-Chloroethylvinylether	6.7	< 6.7	U
75-25-2	Bromoform	1.3	< 1.3	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	6.7	< 6.7	U
591-78-6	2-Hexanone	76	< 76	Y
127-18-4	Tetrachloroethene	1.3	< 1.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1.3	< 1.3	U
108-88-3	Toluene	1.3	< 1.3	U
108-90-7	Chlorobenzene	1.3	< 1.3	U
100-41-4	Ethylbenzene	1.3	< 1.3	U
100-42-5	Styrene	1.3	< 1.3	U
75-69-4	Trichlorofluoromethane	1.3	< 1.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.7	< 2.7	U
179601-23-1	m,p-Xylene	1.3	< 1.3	U
95-47-6	o-Xylene	1.3	< 1.3	U
95-50-1	1,2-Dichlorobenzene	1.3	< 1.3	U
541-73-1	1,3-Dichlorobenzene	1.3	< 1.3	U
106-46-7	1,4-Dichlorobenzene	1.3	< 1.3	U
107-02-8	Acrolein	67	< 67	U

Lab Sample ID: TU89A
LIMS ID: 11-25251
Matrix: Soil
Date Analyzed: 11/02/11 12:44

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.3	< 1.3	U
74-96-4	Bromoethane	2.7	< 2.7	U
107-13-1	Acrylonitrile	6.7	< 6.7	U
563-58-6	1,1-Dichloropropene	1.3	< 1.3	U
74-95-3	Dibromomethane	1.3	< 1.3	U
630-20-6	1,1,1,2-Tetrachloroethane	1.3	< 1.3	U
96-12-8	1,2-Dibromo-3-chloropropane	6.7	< 6.7	U
96-18-4	1,2,3-Trichloropropane	2.7	< 2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	6.7	< 6.7	U
108-67-8	1,3,5-Trimethylbenzene	1.3	< 1.3	U
95-63-6	1,2,4-Trimethylbenzene	1.3	< 1.3	U
87-68-3	Hexachlorobutadiene	6.7	< 6.7	U
106-93-4	Ethylene Dibromide	1.3	< 1.3	U
74-97-5	Bromochloromethane	1.3	< 1.3	U
594-20-7	2,2-Dichloropropane	1.3	< 1.3	U
142-28-9	1,3-Dichloropropane	1.3	< 1.3	U
98-82-8	Isopropylbenzene	1.3	< 1.3	U
103-65-1	n-Propylbenzene	1.3	< 1.3	U
108-86-1	Bromobenzene	1.3	< 1.3	U
95-49-8	2-Chlorotoluene	1.3	< 1.3	U
106-43-4	4-Chlorotoluene	1.3	< 1.3	U
98-06-6	tert-Butylbenzene	1.3	< 1.3	U
135-98-8	sec-Butylbenzene	1.3	< 1.3	U
99-87-6	4-Isopropyltoluene	1.3	< 1.3	U
104-51-8	n-Butylbenzene	1.3	< 1.3	U
120-82-1	1,2,4-Trichlorobenzene	6.7	< 6.7	U
91-20-3	Naphthalene	6.7	< 6.7	U
87-61-6	1,2,3-Trichlorobenzene	6.7	< 6.7	U
1634-04-4	Methyl tert-Butyl Ether	1.3	< 1.3	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	125%
d8-Toluene	103%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-7(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89B
LIMS ID: 11-25252
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 13:06

Sample Amount: 3.15 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 30.2%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.6	< 1.6	U
74-83-9	Bromomethane	1.6	< 1.6	U
75-01-4	Vinyl Chloride	1.6	< 1.6	U
75-00-3	Chloroethane	1.6	< 1.6	U
75-09-2	**Methylene Chloride**	**3.2**	**4.7**	
67-64-1	**Acetone**	**7.9**	**28**	
75-15-0	Carbon Disulfide	1.6	< 1.6	U
75-35-4	1,1-Dichloroethene	1.6	< 1.6	U
75-34-3	1,1-Dichloroethane	1.6	< 1.6	U
156-60-5	trans-1,2-Dichloroethene	1.6	< 1.6	U
156-59-2	cis-1,2-Dichloroethene	1.6	< 1.6	U
67-66-3	Chloroform	1.6	< 1.6	U
107-06-2	1,2-Dichloroethane	1.6	< 1.6	U
78-93-3	2-Butanone	7.9	< 7.9	U
71-55-6	1,1,1-Trichloroethane	1.6	< 1.6	U
56-23-5	Carbon Tetrachloride	1.6	< 1.6	U
108-05-4	Vinyl Acetate	7.9	< 7.9	U
75-27-4	Bromodichloromethane	1.6	< 1.6	U
78-87-5	1,2-Dichloropropane	1.6	< 1.6	U
10061-01-5	cis-1,3-Dichloropropene	1.6	< 1.6	U
79-01-6	Trichloroethene	1.6	< 1.6	U
124-48-1	Dibromochloromethane	1.6	< 1.6	U
79-00-5	1,1,2-Trichloroethane	1.6	< 1.6	U
71-43-2	Benzene	1.6	< 1.6	U
10061-02-6	trans-1,3-Dichloropropene	1.6	< 1.6	U
110-75-8	2-Chloroethylvinylether	7.9	< 7.9	U
75-25-2	Bromoform	1.6	< 1.6	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	7.9	< 7.9	U
591-78-6	2-Hexanone	7.9	< 7.9	U
127-18-4	Tetrachloroethene	1.6	< 1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1.6	< 1.6	U
108-88-3	Toluene	1.6	< 1.6	U
108-90-7	Chlorobenzene	1.6	< 1.6	U
100-41-4	Ethylbenzene	1.6	< 1.6	U
100-42-5	Styrene	1.6	< 1.6	U
75-69-4	Trichlorofluoromethane	1.6	< 1.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	3.2	< 3.2	U
179601-23-1	m,p-Xylene	1.6	< 1.6	U
95-47-6	o-Xylene	1.6	< 1.6	U
95-50-1	1,2-Dichlorobenzene	1.6	< 1.6	U
541-73-1	1,3-Dichlorobenzene	1.6	< 1.6	U
106-46-7	1,4-Dichlorobenzene	1.6	< 1.6	U
107-02-8	Acrolein	79	< 79	U

Lab Sample ID: TU89B
LIMS ID: 11-25252
Matrix: Solid
Date Analyzed: 11/02/11 13:06

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.6	< 1.6	U
74-96-4	Bromoethane	3.2	< 3.2	U
107-13-1	Acrylonitrile	7.9	< 7.9	U
563-58-6	1,1-Dichloropropene	1.6	< 1.6	U
74-95-3	Dibromomethane	1.6	< 1.6	U
630-20-6	1,1,1,2-Tetrachloroethane	1.6	< 1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	7.9	< 7.9	U
96-18-4	1,2,3-Trichloropropane	3.2	< 3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	7.9	< 7.9	U
108-67-8	1,3,5-Trimethylbenzene	1.6	< 1.6	U
95-63-6	1,2,4-Trimethylbenzene	1.6	< 1.6	U
87-68-3	Hexachlorobutadiene	7.9	< 7.9	U
106-93-4	Ethylene Dibromide	1.6	< 1.6	U
74-97-5	Bromochloromethane	1.6	< 1.6	U
594-20-7	2,2-Dichloropropane	1.6	< 1.6	U
142-28-9	1,3-Dichloropropane	1.6	< 1.6	U
98-82-8	Isopropylbenzene	1.6	< 1.6	U
103-65-1	n-Propylbenzene	1.6	< 1.6	U
108-86-1	Bromobenzene	1.6	< 1.6	U
95-49-8	2-Chlorotoluene	1.6	< 1.6	U
106-43-4	4-Chlorotoluene	1.6	< 1.6	U
98-06-6	tert-Butylbenzene	1.6	< 1.6	U
135-98-8	sec-Butylbenzene	1.6	< 1.6	U
99-87-6	4-Isopropyltoluene	1.6	< 1.6	U
104-51-8	n-Butylbenzene	1.6	< 1.6	U
120-82-1	1,2,4-Trichlorobenzene	7.9	< 7.9	U
91-20-3	Naphthalene	7.9	< 7.9	U
87-61-6	1,2,3-Trichlorobenzene	7.9	< 7.9	U
1634-04-4	Methyl tert-Butyl Ether	1.6	< 1.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	126%
d8-Toluene	103%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-3(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89C
LIMS ID: 11-25253
Matrix: Soild
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 13:27

Sample Amount: 3.37 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 24.4%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.5	< 1.5	U
74-83-9	Bromomethane	1.5	< 1.5	U
75-01-4	Vinyl Chloride	1.5	< 1.5	U
75-00-3	Chloroethane	1.5	< 1.5	U
75-09-2	**Methylene Chloride**	**3.0**	**3.6**	
67-64-1	**Acetone**	**7.4**	**61**	
75-15-0	Carbon Disulfide	1.5	< 1.5	U
75-35-4	1,1-Dichloroethene	1.5	< 1.5	U
75-34-3	1,1-Dichloroethane	1.5	< 1.5	U
156-60-5	trans-1,2-Dichloroethene	1.5	< 1.5	U
156-59-2	cis-1,2-Dichloroethene	1.5	< 1.5	U
67-66-3	Chloroform	1.5	< 1.5	U
107-06-2	1,2-Dichloroethane	1.5	< 1.5	U
78-93-3	2-Butanone	7.4	< 7.4	U
71-55-6	1,1,1-Trichloroethane	1.5	< 1.5	U
56-23-5	Carbon Tetrachloride	1.5	< 1.5	U
108-05-4	Vinyl Acetate	7.4	< 7.4	U
75-27-4	Bromodichloromethane	1.5	< 1.5	U
78-87-5	1,2-Dichloropropane	1.5	< 1.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	< 1.5	U
79-01-6	Trichloroethene	1.5	< 1.5	U
124-48-1	Dibromochloromethane	1.5	< 1.5	U
79-00-5	1,1,2-Trichloroethane	1.5	< 1.5	U
71-43-2	Benzene	1.5	< 1.5	U
10061-02-6	trans-1,3-Dichloropropene	1.5	< 1.5	U
110-75-8	2-Chloroethylvinylether	7.4	< 7.4	U
75-25-2	Bromoform	1.5	< 1.5	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	7.4	< 7.4	U
591-78-6	2-Hexanone	7.4	< 7.4	U
127-18-4	Tetrachloroethene	1.5	< 1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	< 1.5	U
108-88-3	Toluene	1.5	< 1.5	U
108-90-7	Chlorobenzene	1.5	< 1.5	U
100-41-4	Ethylbenzene	1.5	< 1.5	U
100-42-5	Styrene	1.5	< 1.5	U
75-69-4	Trichlorofluoromethane	1.5	< 1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	3.0	< 3.0	U
179601-23-1	m,p-Xylene	1.5	< 1.5	U
95-47-6	o-Xylene	1.5	< 1.5	U
95-50-1	1,2-Dichlorobenzene	1.5	< 1.5	U
541-73-1	1,3-Dichlorobenzene	1.5	< 1.5	U
106-46-7	1,4-Dichlorobenzene	1.5	< 1.5	U
107-02-8	Acrolein	74	< 74	U

Lab Sample ID: TU89C
LIMS ID: 11-25253
Matrix: Soild
Date Analyzed: 11/02/11 13:27

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.5	< 1.5	U
74-96-4	Bromoethane	3.0	< 3.0	U
107-13-1	Acrylonitrile	7.4	< 7.4	U
563-58-6	1,1-Dichloropropene	1.5	< 1.5	U
74-95-3	Dibromomethane	1.5	< 1.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1.5	< 1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	7.4	< 7.4	U
96-18-4	1,2,3-Trichloropropane	3.0	< 3.0	U
110-57-6	trans-1,4-Dichloro-2-butene	7.4	< 7.4	U
108-67-8	1,3,5-Trimethylbenzene	1.5	< 1.5	U
95-63-6	1,2,4-Trimethylbenzene	1.5	< 1.5	U
87-68-3	Hexachlorobutadiene	7.4	< 7.4	U
106-93-4	Ethylene Dibromide	1.5	< 1.5	U
74-97-5	Bromochloromethane	1.5	< 1.5	U
594-20-7	2,2-Dichloropropane	1.5	< 1.5	U
142-28-9	1,3-Dichloropropane	1.5	< 1.5	U
98-82-8	Isopropylbenzene	1.5	< 1.5	U
103-65-1	n-Propylbenzene	1.5	< 1.5	U
108-86-1	Bromobenzene	1.5	< 1.5	U
95-49-8	2-Chlorotoluene	1.5	< 1.5	U
106-43-4	4-Chlorotoluene	1.5	< 1.5	U
98-06-6	tert-Butylbenzene	1.5	< 1.5	U
135-98-8	sec-Butylbenzene	1.5	< 1.5	U
99-87-6	4-Isopropyltoluene	1.5	< 1.5	U
104-51-8	n-Butylbenzene	1.5	< 1.5	U
120-82-1	1,2,4-Trichlorobenzene	7.4	< 7.4	U
91-20-3	Naphthalene	7.4	< 7.4	U
87-61-6	1,2,3-Trichlorobenzene	7.4	< 7.4	U
1634-04-4	Methyl tert-Butyl Ether	1.5	< 1.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	122%
d8-Toluene	102%
Bromofluorobenzene	100%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-2(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89D
LIMS ID: 11-25254
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 13:48

Sample Amount: 3.13 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 35.3%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.6	< 1.6	U
74-83-9	Bromomethane	1.6	< 1.6	U
75-01-4	Vinyl Chloride	1.6	< 1.6	U
75-00-3	Chloroethane	1.6	< 1.6	U
75-09-2	**Methylene Chloride**	**3.2**	**3.9**	
67-64-1	**Acetone**	**8.0**	**48**	
75-15-0	Carbon Disulfide	1.6	< 1.6	U
75-35-4	1,1-Dichloroethene	1.6	< 1.6	U
75-34-3	1,1-Dichloroethane	1.6	< 1.6	U
156-60-5	trans-1,2-Dichloroethene	1.6	< 1.6	U
156-59-2	cis-1,2-Dichloroethene	1.6	< 1.6	U
67-66-3	Chloroform	1.6	< 1.6	U
107-06-2	1,2-Dichloroethane	1.6	< 1.6	U
78-93-3	2-Butanone	8.0	< 8.0	U
71-55-6	1,1,1-Trichloroethane	1.6	< 1.6	U
56-23-5	Carbon Tetrachloride	1.6	< 1.6	U
108-05-4	Vinyl Acetate	8.0	< 8.0	U
75-27-4	Bromodichloromethane	1.6	< 1.6	U
78-87-5	1,2-Dichloropropane	1.6	< 1.6	U
10061-01-5	cis-1,3-Dichloropropene	1.6	< 1.6	U
79-01-6	Trichloroethene	1.6	< 1.6	U
124-48-1	Dibromochloromethane	1.6	< 1.6	U
79-00-5	1,1,2-Trichloroethane	1.6	< 1.6	U
71-43-2	Benzene	1.6	< 1.6	U
10061-02-6	trans-1,3-Dichloropropene	1.6	< 1.6	U
110-75-8	2-Chloroethylvinylether	8.0	< 8.0	U
75-25-2	Bromoform	1.6	< 1.6	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	8.0	< 8.0	U
591-78-6	2-Hexanone	8.0	< 8.0	U
127-18-4	Tetrachloroethene	1.6	< 1.6	U
79-34-5	1,1,2,2-Tetrachloroethane	1.6	< 1.6	U
108-88-3	Toluene	1.6	< 1.6	U
108-90-7	Chlorobenzene	1.6	< 1.6	U
100-41-4	Ethylbenzene	1.6	< 1.6	U
100-42-5	Styrene	1.6	< 1.6	U
75-69-4	Trichlorofluoromethane	1.6	< 1.6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	3.2	< 3.2	U
179601-23-1	m,p-Xylene	1.6	< 1.6	U
95-47-6	o-Xylene	1.6	< 1.6	U
95-50-1	1,2-Dichlorobenzene	1.6	< 1.6	U
541-73-1	1,3-Dichlorobenzene	1.6	< 1.6	U
106-46-7	1,4-Dichlorobenzene	1.6	< 1.6	U
107-02-8	Acrolein	80	< 80	U

Lab Sample ID: TU89D
LIMS ID: 11-25254
Matrix: Solid
Date Analyzed: 11/02/11 13:48

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.6	< 1.6	U
74-96-4	Bromoethane	3.2	< 3.2	U
107-13-1	Acrylonitrile	8.0	< 8.0	U
563-58-6	1,1-Dichloropropene	1.6	< 1.6	U
74-95-3	Dibromomethane	1.6	< 1.6	U
630-20-6	1,1,1,2-Tetrachloroethane	1.6	< 1.6	U
96-12-8	1,2-Dibromo-3-chloropropane	8.0	< 8.0	U
96-18-4	1,2,3-Trichloropropane	3.2	< 3.2	U
110-57-6	trans-1,4-Dichloro-2-butene	8.0	< 8.0	U
108-67-8	1,3,5-Trimethylbenzene	1.6	< 1.6	U
95-63-6	1,2,4-Trimethylbenzene	1.6	< 1.6	U
87-68-3	Hexachlorobutadiene	8.0	< 8.0	U
106-93-4	Ethylene Dibromide	1.6	< 1.6	U
74-97-5	Bromochloromethane	1.6	< 1.6	U
594-20-7	2,2-Dichloropropane	1.6	< 1.6	U
142-28-9	1,3-Dichloropropane	1.6	< 1.6	U
98-82-8	Isopropylbenzene	1.6	< 1.6	U
103-65-1	n-Propylbenzene	1.6	< 1.6	U
108-86-1	Bromobenzene	1.6	< 1.6	U
95-49-8	2-Chlorotoluene	1.6	< 1.6	U
106-43-4	4-Chlorotoluene	1.6	< 1.6	U
98-06-6	tert-Butylbenzene	1.6	< 1.6	U
135-98-8	sec-Butylbenzene	1.6	< 1.6	U
99-87-6	4-Isopropyltoluene	1.6	< 1.6	U
104-51-8	n-Butylbenzene	1.6	< 1.6	U
120-82-1	1,2,4-Trichlorobenzene	8.0	< 8.0	U
91-20-3	Naphthalene	8.0	< 8.0	U
87-61-6	1,2,3-Trichlorobenzene	8.0	< 8.0	U
1634-04-4	Methyl tert-Butyl Ether	1.6	< 1.6	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	123%
d8-Toluene	103%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-1(0-0.5)-111101**
Page 1 of 2 **SAMPLE**

Lab Sample ID: TU89E
LIMS ID: 11-25255
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 14:09

Sample Amount: 1.22 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 72.0%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	4.1	< 4.1	U
74-83-9	Bromomethane	4.1	< 4.1	U
75-01-4	Vinyl Chloride	4.1	< 4.1	U
75-00-3	Chloroethane	4.1	< 4.1	U
75-09-2	Methylene Chloride	8.2	< 8.2	U
67-64-1	**Acetone**	**20**	**390**	
75-15-0	Carbon Disulfide	4.1	< 4.1	U
75-35-4	1,1-Dichloroethene	4.1	< 4.1	U
75-34-3	1,1-Dichloroethane	4.1	< 4.1	U
156-60-5	trans-1,2-Dichloroethene	4.1	< 4.1	U
156-59-2	cis-1,2-Dichloroethene	4.1	< 4.1	U
67-66-3	Chloroform	4.1	< 4.1	U
107-06-2	1,2-Dichloroethane	4.1	< 4.1	U
78-93-3	**2-Butanone**	**20**	**28**	
71-55-6	1,1,1-Trichloroethane	4.1	< 4.1	U
56-23-5	Carbon Tetrachloride	4.1	< 4.1	U
108-05-4	Vinyl Acetate	20	< 20	U
75-27-4	Bromodichloromethane	4.1	< 4.1	U
78-87-5	1,2-Dichloropropane	4.1	< 4.1	U
10061-01-5	cis-1,3-Dichloropropene	4.1	< 4.1	U
79-01-6	Trichloroethene	4.1	< 4.1	U
124-48-1	Dibromochloromethane	4.1	< 4.1	U
79-00-5	1,1,2-Trichloroethane	4.1	< 4.1	U
71-43-2	Benzene	4.1	< 4.1	U
10061-02-6	trans-1,3-Dichloropropene	4.1	< 4.1	U
110-75-8	2-Chloroethylvinylether	20	< 20	U
75-25-2	Bromoform	4.1	< 4.1	U
108-10-1	**4-Methyl-2-Pentanone (MIBK)**	**20**	**29**	**M**
591-78-6	2-Hexanone	280	< 280	Y
127-18-4	Tetrachloroethene	4.1	< 4.1	U
79-34-5	1,1,2,2-Tetrachloroethane	4.1	< 4.1	U
108-88-3	Toluene	4.1	< 4.1	U
108-90-7	Chlorobenzene	4.1	< 4.1	U
100-41-4	Ethylbenzene	4.1	< 4.1	U
100-42-5	Styrene	4.1	< 4.1	U
75-69-4	Trichlorofluoromethane	4.1	< 4.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	8.2	< 8.2	U
179601-23-1	m,p-Xylene	4.1	< 4.1	U
95-47-6	o-Xylene	4.1	< 4.1	U
95-50-1	1,2-Dichlorobenzene	4.1	< 4.1	U
541-73-1	1,3-Dichlorobenzene	4.1	< 4.1	U
106-46-7	1,4-Dichlorobenzene	4.1	< 4.1	U
107-02-8	Acrolein	200	< 200	U

Lab Sample ID: TU89E
LIMS ID: 11-25255
Matrix: Solid
Date Analyzed: 11/02/11 14:09

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	4.1	< 4.1	U
74-96-4	Bromoethane	8.2	< 8.2	U
107-13-1	Acrylonitrile	20	< 20	U
563-58-6	1,1-Dichloropropene	4.1	< 4.1	U
74-95-3	Dibromomethane	4.1	< 4.1	U
630-20-6	1,1,1,2-Tetrachloroethane	4.1	< 4.1	U
96-12-8	1,2-Dibromo-3-chloropropane	20	< 20	U
96-18-4	1,2,3-Trichloropropane	8.2	< 8.2	U
110-57-6	trans-1,4-Dichloro-2-butene	20	< 20	U
108-67-8	1,3,5-Trimethylbenzene	4.1	< 4.1	U
95-63-6	1,2,4-Trimethylbenzene	4.1	< 4.1	U
87-68-3	Hexachlorobutadiene	20	< 20	U
106-93-4	Ethylene Dibromide	4.1	< 4.1	U
74-97-5	Bromochloromethane	4.1	< 4.1	U
594-20-7	2,2-Dichloropropane	4.1	< 4.1	U
142-28-9	1,3-Dichloropropane	4.1	< 4.1	U
98-82-8	Isopropylbenzene	4.1	< 4.1	U
103-65-1	n-Propylbenzene	4.1	< 4.1	U
108-86-1	Bromobenzene	4.1	< 4.1	U
95-49-8	2-Chlorotoluene	4.1	< 4.1	U
106-43-4	4-Chlorotoluene	4.1	< 4.1	U
98-06-6	tert-Butylbenzene	4.1	< 4.1	U
135-98-8	sec-Butylbenzene	4.1	< 4.1	U
99-87-6	4-Isopropyltoluene	4.1	< 4.1	U
104-51-8	n-Butylbenzene	4.1	< 4.1	U
120-82-1	1,2,4-Trichlorobenzene	20	< 20	U
91-20-3	Naphthalene	20	< 20	U
87-61-6	1,2,3-Trichlorobenzene	20	< 20	U
1634-04-4	Methyl tert-Butyl Ether	4.1	< 4.1	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	121%
d8-Toluene	103%
Bromofluorobenzene	99.6%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-10(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89F
LIMS ID: 11-25256
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 14:30

Sample Amount: 2.81 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 36.8%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.8	< 1.8	U
74-83-9	Bromomethane	1.8	< 1.8	U
75-01-4	Vinyl Chloride	1.8	< 1.8	U
75-00-3	Chloroethane	1.8	< 1.8	U
75-09-2	**Methylene Chloride**	**3.6**	**4.7**	
67-64-1	**Acetone**	**8.9**	**37**	
75-15-0	Carbon Disulfide	1.8	< 1.8	U
75-35-4	1,1-Dichloroethene	1.8	< 1.8	U
75-34-3	1,1-Dichloroethane	1.8	< 1.8	U
156-60-5	trans-1,2-Dichloroethene	1.8	< 1.8	U
156-59-2	cis-1,2-Dichloroethene	1.8	< 1.8	U
67-66-3	Chloroform	1.8	< 1.8	U
107-06-2	1,2-Dichloroethane	1.8	< 1.8	U
78-93-3	2-Butanone	8.9	< 8.9	U
71-55-6	1,1,1-Trichloroethane	1.8	< 1.8	U
56-23-5	Carbon Tetrachloride	1.8	< 1.8	U
108-05-4	Vinyl Acetate	8.9	< 8.9	U
75-27-4	Bromodichloromethane	1.8	< 1.8	U
78-87-5	1,2-Dichloropropane	1.8	< 1.8	U
10061-01-5	cis-1,3-Dichloropropene	1.8	< 1.8	U
79-01-6	Trichloroethene	1.8	< 1.8	U
124-48-1	Dibromochloromethane	1.8	< 1.8	U
79-00-5	1,1,2-Trichloroethane	1.8	< 1.8	U
71-43-2	Benzene	1.8	< 1.8	U
10061-02-6	trans-1,3-Dichloropropene	1.8	< 1.8	U
110-75-8	2-Chloroethylvinylether	8.9	< 8.9	U
75-25-2	Bromoform	1.8	< 1.8	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	8.9	< 8.9	U
591-78-6	2-Hexanone	8.9	< 8.9	U
127-18-4	Tetrachloroethene	1.8	< 1.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1.8	< 1.8	U
108-88-3	Toluene	1.8	< 1.8	U
108-90-7	Chlorobenzene	1.8	< 1.8	U
100-41-4	Ethylbenzene	1.8	< 1.8	U
100-42-5	Styrene	1.8	< 1.8	U
75-69-4	Trichlorofluoromethane	1.8	< 1.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	3.6	< 3.6	U
179601-23-1	m,p-Xylene	1.8	< 1.8	U
95-47-6	o-Xylene	1.8	< 1.8	U
95-50-1	1,2-Dichlorobenzene	1.8	< 1.8	U
541-73-1	1,3-Dichlorobenzene	1.8	< 1.8	U
106-46-7	1,4-Dichlorobenzene	1.8	< 1.8	U
107-02-8	Acrolein	89	< 89	U

Lab Sample ID: TU89F
LIMS ID: 11-25256
Matrix: Solid
Date Analyzed: 11/02/11 14:30

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.8	< 1.8	U
74-96-4	Bromoethane	3.6	< 3.6	U
107-13-1	Acrylonitrile	8.9	< 8.9	U
563-58-6	1,1-Dichloropropene	1.8	< 1.8	U
74-95-3	Dibromomethane	1.8	< 1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	1.8	< 1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	8.9	< 8.9	U
96-18-4	1,2,3-Trichloropropane	3.6	< 3.6	U
110-57-6	trans-1,4-Dichloro-2-butene	8.9	< 8.9	U
108-67-8	1,3,5-Trimethylbenzene	1.8	< 1.8	U
95-63-6	1,2,4-Trimethylbenzene	1.8	< 1.8	U
87-68-3	Hexachlorobutadiene	8.9	< 8.9	U
106-93-4	Ethylene Dibromide	1.8	< 1.8	U
74-97-5	Bromochloromethane	1.8	< 1.8	U
594-20-7	2,2-Dichloropropane	1.8	< 1.8	U
142-28-9	1,3-Dichloropropane	1.8	< 1.8	U
98-82-8	Isopropylbenzene	1.8	< 1.8	U
103-65-1	n-Propylbenzene	1.8	< 1.8	U
108-86-1	Bromobenzene	1.8	< 1.8	U
95-49-8	2-Chlorotoluene	1.8	< 1.8	U
106-43-4	4-Chlorotoluene	1.8	< 1.8	U
98-06-6	tert-Butylbenzene	1.8	< 1.8	U
135-98-8	sec-Butylbenzene	1.8	< 1.8	U
99-87-6	4-Isopropyltoluene	1.8	< 1.8	U
104-51-8	n-Butylbenzene	1.8	< 1.8	U
120-82-1	1,2,4-Trichlorobenzene	8.9	< 8.9	U
91-20-3	Naphthalene	8.9	< 8.9	U
87-61-6	1,2,3-Trichlorobenzene	8.9	< 8.9	U
1634-04-4	Methyl tert-Butyl Ether	1.8	< 1.8	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	120%
d8-Toluene	103%
Bromofluorobenzene	99.4%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-6(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89G
LIMS ID: 11-25257
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 14:52

Sample Amount: 2.74 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 39.0%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.8	< 1.8	U
74-83-9	Bromomethane	1.8	< 1.8	U
75-01-4	Vinyl Chloride	1.8	< 1.8	U
75-00-3	Chloroethane	1.8	< 1.8	U
75-09-2	**Methylene Chloride**	**3.6**	**4.6**	
67-64-1	**Acetone**	**9.1**	**50**	
75-15-0	Carbon Disulfide	1.8	< 1.8	U
75-35-4	1,1-Dichloroethene	1.8	< 1.8	U
75-34-3	1,1-Dichloroethane	1.8	< 1.8	U
156-60-5	trans-1,2-Dichloroethene	1.8	< 1.8	U
156-59-2	cis-1,2-Dichloroethene	1.8	< 1.8	U
67-66-3	Chloroform	1.8	< 1.8	U
107-06-2	1,2-Dichloroethane	1.8	< 1.8	U
78-93-3	2-Butanone	9.1	< 9.1	U
71-55-6	1,1,1-Trichloroethane	1.8	< 1.8	U
56-23-5	Carbon Tetrachloride	1.8	< 1.8	U
108-05-4	Vinyl Acetate	9.1	< 9.1	U
75-27-4	Bromodichloromethane	1.8	< 1.8	U
78-87-5	1,2-Dichloropropane	1.8	< 1.8	U
10061-01-5	cis-1,3-Dichloropropene	1.8	< 1.8	U
79-01-6	Trichloroethene	1.8	< 1.8	U
124-48-1	Dibromochloromethane	1.8	< 1.8	U
79-00-5	1,1,2-Trichloroethane	1.8	< 1.8	U
71-43-2	Benzene	1.8	< 1.8	U
10061-02-6	trans-1,3-Dichloropropene	1.8	< 1.8	U
110-75-8	2-Chloroethylvinylether	9.1	< 9.1	U
75-25-2	Bromoform	1.8	< 1.8	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	9.1	< 9.1	U
591-78-6	2-Hexanone	9.1	< 9.1	U
127-18-4	Tetrachloroethene	1.8	< 1.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1.8	< 1.8	U
108-88-3	Toluene	1.8	< 1.8	U
108-90-7	Chlorobenzene	1.8	< 1.8	U
100-41-4	Ethylbenzene	1.8	< 1.8	U
100-42-5	Styrene	1.8	< 1.8	U
75-69-4	Trichlorofluoromethane	1.8	< 1.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	3.6	< 3.6	U
179601-23-1	m,p-Xylene	1.8	< 1.8	U
95-47-6	o-Xylene	1.8	< 1.8	U
95-50-1	1,2-Dichlorobenzene	1.8	< 1.8	U
541-73-1	1,3-Dichlorobenzene	1.8	< 1.8	U
106-46-7	1,4-Dichlorobenzene	1.8	< 1.8	U
107-02-8	Acrolein	91	< 91	U

Lab Sample ID: TU89G
LIMS ID: 11-25257
Matrix: Solid
Date Analyzed: 11/02/11 14:52

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.8	< 1.8	U
74-96-4	Bromoethane	3.6	< 3.6	U
107-13-1	Acrylonitrile	9.1	< 9.1	U
563-58-6	1,1-Dichloropropene	1.8	< 1.8	U
74-95-3	Dibromomethane	1.8	< 1.8	U
630-20-6	1,1,1,2-Tetrachloroethane	1.8	< 1.8	U
96-12-8	1,2-Dibromo-3-chloropropane	9.1	< 9.1	U
96-18-4	1,2,3-Trichloropropane	3.6	< 3.6	U
110-57-6	trans-1,4-Dichloro-2-butene	9.1	< 9.1	U
108-67-8	1,3,5-Trimethylbenzene	1.8	< 1.8	U
95-63-6	1,2,4-Trimethylbenzene	1.8	< 1.8	U
87-68-3	Hexachlorobutadiene	9.1	< 9.1	U
106-93-4	Ethylene Dibromide	1.8	< 1.8	U
74-97-5	Bromochloromethane	1.8	< 1.8	U
594-20-7	2,2-Dichloropropane	1.8	< 1.8	U
142-28-9	1,3-Dichloropropane	1.8	< 1.8	U
98-82-8	Isopropylbenzene	1.8	< 1.8	U
103-65-1	n-Propylbenzene	1.8	< 1.8	U
108-86-1	Bromobenzene	1.8	< 1.8	U
95-49-8	2-Chlorotoluene	1.8	< 1.8	U
106-43-4	4-Chlorotoluene	1.8	< 1.8	U
98-06-6	tert-Butylbenzene	1.8	< 1.8	U
135-98-8	sec-Butylbenzene	1.8	< 1.8	U
99-87-6	4-Isopropyltoluene	1.8	< 1.8	U
104-51-8	n-Butylbenzene	1.8	< 1.8	U
120-82-1	1,2,4-Trichlorobenzene	9.1	< 9.1	U
91-20-3	Naphthalene	9.1	< 9.1	U
87-61-6	1,2,3-Trichlorobenzene	9.1	< 9.1	U
1634-04-4	Methyl tert-Butyl Ether	1.8	< 1.8	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	128%
d8-Toluene	102%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-4(0-1)-111101**
Page 1 of 2 **SAMPLE**

Lab Sample ID: TU89H
LIMS ID: 11-25258
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 15:13

Sample Amount: 3.42 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 36.0%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.5	< 1.5	U
74-83-9	Bromomethane	1.5	< 1.5	U
75-01-4	Vinyl Chloride	1.5	< 1.5	U
75-00-3	Chloroethane	1.5	< 1.5	U
75-09-2	**Methylene Chloride**	**2.9**	**3.1**	
67-64-1	**Acetone**	**7.3**	**28**	
75-15-0	Carbon Disulfide	1.5	< 1.5	U
75-35-4	1,1-Dichloroethene	1.5	< 1.5	U
75-34-3	1,1-Dichloroethane	1.5	< 1.5	U
156-60-5	trans-1,2-Dichloroethene	1.5	< 1.5	U
156-59-2	cis-1,2-Dichloroethene	1.5	< 1.5	U
67-66-3	Chloroform	1.5	< 1.5	U
107-06-2	1,2-Dichloroethane	1.5	< 1.5	U
78-93-3	2-Butanone	7.3	< 7.3	U
71-55-6	1,1,1-Trichloroethane	1.5	< 1.5	U
56-23-5	Carbon Tetrachloride	1.5	< 1.5	U
108-05-4	Vinyl Acetate	7.3	< 7.3	U
75-27-4	Bromodichloromethane	1.5	< 1.5	U
78-87-5	1,2-Dichloropropane	1.5	< 1.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	< 1.5	U
79-01-6	Trichloroethene	1.5	< 1.5	U
124-48-1	Dibromochloromethane	1.5	< 1.5	U
79-00-5	1,1,2-Trichloroethane	1.5	< 1.5	U
71-43-2	Benzene	1.5	< 1.5	U
10061-02-6	trans-1,3-Dichloropropene	1.5	< 1.5	U
110-75-8	2-Chloroethylvinylether	7.3	< 7.3	U
75-25-2	Bromoform	1.5	< 1.5	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	7.3	< 7.3	U
591-78-6	2-Hexanone	7.3	< 7.3	U
127-18-4	Tetrachloroethene	1.5	< 1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	< 1.5	U
108-88-3	Toluene	1.5	< 1.5	U
108-90-7	Chlorobenzene	1.5	< 1.5	U
100-41-4	Ethylbenzene	1.5	< 1.5	U
100-42-5	Styrene	1.5	< 1.5	U
75-69-4	Trichlorofluoromethane	1.5	< 1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.9	< 2.9	U
179601-23-1	m,p-Xylene	1.5	< 1.5	U
95-47-6	o-Xylene	1.5	< 1.5	U
95-50-1	1,2-Dichlorobenzene	1.5	< 1.5	U
541-73-1	1,3-Dichlorobenzene	1.5	< 1.5	U
106-46-7	1,4-Dichlorobenzene	1.5	< 1.5	U
107-02-8	Acrolein	73	< 73	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-4(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89H
LIMS ID: 11-25258
Matrix: Solid
Date Analyzed: 11/02/11 15:13

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.5	< 1.5	U
74-96-4	Bromoethane	2.9	< 2.9	U
107-13-1	Acrylonitrile	7.3	< 7.3	U
563-58-6	1,1-Dichloropropene	1.5	< 1.5	U
74-95-3	Dibromomethane	1.5	< 1.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1.5	< 1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	7.3	< 7.3	U
96-18-4	1,2,3-Trichloropropane	2.9	< 2.9	U
110-57-6	trans-1,4-Dichloro-2-butene	7.3	< 7.3	U
108-67-8	1,3,5-Trimethylbenzene	1.5	< 1.5	U
95-63-6	1,2,4-Trimethylbenzene	1.5	< 1.5	U
87-68-3	Hexachlorobutadiene	7.3	< 7.3	U
106-93-4	Ethylene Dibromide	1.5	< 1.5	U
74-97-5	Bromochloromethane	1.5	< 1.5	U
594-20-7	2,2-Dichloropropane	1.5	< 1.5	U
142-28-9	1,3-Dichloropropane	1.5	< 1.5	U
98-82-8	Isopropylbenzene	1.5	< 1.5	U
103-65-1	n-Propylbenzene	1.5	< 1.5	U
108-86-1	Bromobenzene	1.5	< 1.5	U
95-49-8	2-Chlorotoluene	1.5	< 1.5	U
106-43-4	4-Chlorotoluene	1.5	< 1.5	U
98-06-6	tert-Butylbenzene	1.5	< 1.5	U
135-98-8	sec-Butylbenzene	1.5	< 1.5	U
99-87-6	4-Isopropyltoluene	1.5	< 1.5	U
104-51-8	n-Butylbenzene	1.5	< 1.5	U
120-82-1	1,2,4-Trichlorobenzene	7.3	< 7.3	U
91-20-3	Naphthalene	7.3	< 7.3	U
87-61-6	1,2,3-Trichlorobenzene	7.3	< 7.3	U
1634-04-4	Methyl tert-Butyl Ether	1.5	< 1.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	131%
d8-Toluene	104%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-8(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89I
LIMS ID: 11-25259
Matrix: Solid
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 15:34

Sample Amount: 3.45 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 30.4%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.5	< 1.5	U
74-83-9	Bromomethane	1.5	< 1.5	U
75-01-4	Vinyl Chloride	1.5	< 1.5	U
75-00-3	Chloroethane	1.5	< 1.5	U
75-09-2	Methylene Chloride	2.9	< 2.9	U
67-64-1	**Acetone**	**7.3**	**24**	
75-15-0	Carbon Disulfide	1.5	< 1.5	U
75-35-4	1,1-Dichloroethene	1.5	< 1.5	U
75-34-3	1,1-Dichloroethane	1.5	< 1.5	U
156-60-5	trans-1,2-Dichloroethene	1.5	< 1.5	U
156-59-2	cis-1,2-Dichloroethene	1.5	< 1.5	U
67-66-3	Chloroform	1.5	< 1.5	U
107-06-2	1,2-Dichloroethane	1.5	< 1.5	U
78-93-3	2-Butanone	7.3	< 7.3	U
71-55-6	1,1,1-Trichloroethane	1.5	< 1.5	U
56-23-5	Carbon Tetrachloride	1.5	< 1.5	U
108-05-4	Vinyl Acetate	7.3	< 7.3	U
75-27-4	Bromodichloromethane	1.5	< 1.5	U
78-87-5	1,2-Dichloropropane	1.5	< 1.5	U
10061-01-5	cis-1,3-Dichloropropene	1.5	< 1.5	U
79-01-6	Trichloroethene	1.5	< 1.5	U
124-48-1	Dibromochloromethane	1.5	< 1.5	U
79-00-5	1,1,2-Trichloroethane	1.5	< 1.5	U
71-43-2	Benzene	1.5	< 1.5	U
10061-02-6	trans-1,3-Dichloropropene	1.5	< 1.5	U
110-75-8	2-Chloroethylvinylether	7.3	< 7.3	U
75-25-2	Bromoform	1.5	< 1.5	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	7.3	< 7.3	U
591-78-6	2-Hexanone	7.3	< 7.3	U
127-18-4	Tetrachloroethene	1.5	< 1.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1.5	< 1.5	U
108-88-3	Toluene	1.5	< 1.5	U
108-90-7	Chlorobenzene	1.5	< 1.5	U
100-41-4	Ethylbenzene	1.5	< 1.5	U
100-42-5	Styrene	1.5	< 1.5	U
75-69-4	Trichlorofluoromethane	1.5	< 1.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.9	< 2.9	U
179601-23-1	m,p-Xylene	1.5	< 1.5	U
95-47-6	o-Xylene	1.5	< 1.5	U
95-50-1	1,2-Dichlorobenzene	1.5	< 1.5	U
541-73-1	1,3-Dichlorobenzene	1.5	< 1.5	U
106-46-7	1,4-Dichlorobenzene	1.5	< 1.5	U
107-02-8	Acrolein	73	< 73	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-8(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89I
LIMS ID: 11-25259
Matrix: Solid
Date Analyzed: 11/02/11 15:34

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.5	< 1.5	U
74-96-4	Bromoethane	2.9	< 2.9	U
107-13-1	Acrylonitrile	7.3	< 7.3	U
563-58-6	1,1-Dichloropropene	1.5	< 1.5	U
74-95-3	Dibromomethane	1.5	< 1.5	U
630-20-6	1,1,1,2-Tetrachloroethane	1.5	< 1.5	U
96-12-8	1,2-Dibromo-3-chloropropane	7.3	< 7.3	U
96-18-4	1,2,3-Trichloropropane	2.9	< 2.9	U
110-57-6	trans-1,4-Dichloro-2-butene	7.3	< 7.3	U
108-67-8	1,3,5-Trimethylbenzene	1.5	< 1.5	U
95-63-6	1,2,4-Trimethylbenzene	1.5	< 1.5	U
87-68-3	Hexachlorobutadiene	7.3	< 7.3	U
106-93-4	Ethylene Dibromide	1.5	< 1.5	U
74-97-5	Bromochloromethane	1.5	< 1.5	U
594-20-7	2,2-Dichloropropane	1.5	< 1.5	U
142-28-9	1,3-Dichloropropane	1.5	< 1.5	U
98-82-8	Isopropylbenzene	1.5	< 1.5	U
103-65-1	n-Propylbenzene	1.5	< 1.5	U
108-86-1	Bromobenzene	1.5	< 1.5	U
95-49-8	2-Chlorotoluene	1.5	< 1.5	U
106-43-4	4-Chlorotoluene	1.5	< 1.5	U
98-06-6	tert-Butylbenzene	1.5	< 1.5	U
135-98-8	sec-Butylbenzene	1.5	< 1.5	U
99-87-6	4-Isopropyltoluene	1.5	< 1.5	U
104-51-8	n-Butylbenzene	1.5	< 1.5	U
120-82-1	1,2,4-Trichlorobenzene	7.3	< 7.3	U
91-20-3	Naphthalene	7.3	< 7.3	U
87-61-6	1,2,3-Trichlorobenzene	7.3	< 7.3	U
1634-04-4	Methyl tert-Butyl Ether	1.5	< 1.5	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	104%
Bromofluorobenzene	103%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-11(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89J
LIMS ID: 11-25260
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 15:55

Sample Amount: 4.41 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 21.1%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.1	< 1.1	U
74-83-9	Bromomethane	1.1	< 1.1	U
75-01-4	Vinyl Chloride	1.1	< 1.1	U
75-00-3	Chloroethane	1.1	< 1.1	U
75-09-2	Methylene Chloride	2.3	< 2.3	U
67-64-1	**Acetone**	**5.7**	**48**	
75-15-0	Carbon Disulfide	1.1	< 1.1	U
75-35-4	1,1-Dichloroethene	1.1	< 1.1	U
75-34-3	1,1-Dichloroethane	1.1	< 1.1	U
156-60-5	trans-1,2-Dichloroethene	1.1	< 1.1	U
156-59-2	cis-1,2-Dichloroethene	1.1	< 1.1	U
67-66-3	Chloroform	1.1	< 1.1	U
107-06-2	1,2-Dichloroethane	1.1	< 1.1	U
78-93-3	2-Butanone	5.7	< 5.7	U
71-55-6	1,1,1-Trichloroethane	1.1	< 1.1	U
56-23-5	Carbon Tetrachloride	1.1	< 1.1	U
108-05-4	Vinyl Acetate	5.7	< 5.7	U
75-27-4	Bromodichloromethane	1.1	< 1.1	U
78-87-5	1,2-Dichloropropane	1.1	< 1.1	U
10061-01-5	cis-1,3-Dichloropropene	1.1	< 1.1	U
79-01-6	Trichloroethene	1.1	< 1.1	U
124-48-1	Dibromochloromethane	1.1	< 1.1	U
79-00-5	1,1,2-Trichloroethane	1.1	< 1.1	U
71-43-2	Benzene	1.1	< 1.1	U
10061-02-6	trans-1,3-Dichloropropene	1.1	< 1.1	U
110-75-8	2-Chloroethylvinylether	5.7	< 5.7	U
75-25-2	Bromoform	1.1	< 1.1	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.7	< 5.7	U
591-78-6	2-Hexanone	36	< 36	Y
127-18-4	Tetrachloroethene	1.1	< 1.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1.1	< 1.1	U
108-88-3	Toluene	1.1	< 1.1	U
108-90-7	Chlorobenzene	1.1	< 1.1	U
100-41-4	Ethylbenzene	1.1	< 1.1	U
100-42-5	Styrene	1.1	< 1.1	U
75-69-4	Trichlorofluoromethane	1.1	< 1.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.3	< 2.3	U
179601-23-1	m,p-Xylene	1.1	< 1.1	U
95-47-6	o-Xylene	1.1	< 1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	< 1.1	U
541-73-1	1,3-Dichlorobenzene	1.1	< 1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	< 1.1	U
107-02-8	Acrolein	57	< 57	U

Lab Sample ID: TU89J
LIMS ID: 11-25260
Matrix: Soil
Date Analyzed: 11/02/11 15:55

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.1	< 1.1	U
74-96-4	Bromoethane	2.3	< 2.3	U
107-13-1	Acrylonitrile	5.7	< 5.7	U
563-58-6	1,1-Dichloropropene	1.1	< 1.1	U
74-95-3	Dibromomethane	1.1	< 1.1	U
630-20-6	1,1,1,2-Tetrachloroethane	1.1	< 1.1	U
96-12-8	1,2-Dibromo-3-chloropropane	5.7	< 5.7	U
96-18-4	1,2,3-Trichloropropane	2.3	< 2.3	U
110-57-6	trans-1,4-Dichloro-2-butene	5.7	< 5.7	U
108-67-8	1,3,5-Trimethylbenzene	1.1	< 1.1	U
95-63-6	1,2,4-Trimethylbenzene	1.1	< 1.1	U
87-68-3	Hexachlorobutadiene	5.7	< 5.7	U
106-93-4	Ethylene Dibromide	1.1	< 1.1	U
74-97-5	Bromochloromethane	1.1	< 1.1	U
594-20-7	2,2-Dichloropropane	1.1	< 1.1	U
142-28-9	1,3-Dichloropropane	1.1	< 1.1	U
98-82-8	Isopropylbenzene	1.1	< 1.1	U
103-65-1	n-Propylbenzene	1.1	< 1.1	U
108-86-1	Bromobenzene	1.1	< 1.1	U
95-49-8	2-Chlorotoluene	1.1	< 1.1	U
106-43-4	4-Chlorotoluene	1.1	< 1.1	U
98-06-6	tert-Butylbenzene	1.1	< 1.1	U
135-98-8	sec-Butylbenzene	1.1	< 1.1	U
99-87-6	4-Isopropyltoluene	1.1	< 1.1	U
104-51-8	n-Butylbenzene	1.1	< 1.1	U
120-82-1	1,2,4-Trichlorobenzene	5.7	< 5.7	U
91-20-3	Naphthalene	5.7	< 5.7	U
87-61-6	1,2,3-Trichlorobenzene	5.7	< 5.7	U
1634-04-4	Methyl tert-Butyl Ether	1.1	< 1.1	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	130%
d8-Toluene	104%
Bromofluorobenzene	101%
d4-1,2-Dichlorobenzene	106%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-12(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89K
LIMS ID: 11-25261
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 16:17

Sample Amount: 5.94 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 9.6%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	0.8	< 0.8	U
74-83-9	Bromomethane	0.8	< 0.8	U
75-01-4	Vinyl Chloride	0.8	< 0.8	U
75-00-3	Chloroethane	0.8	< 0.8	U
75-09-2	**Methylene Chloride**	**1.7**	**1.7**	
67-64-1	**Acetone**	**4.2**	**32**	
75-15-0	Carbon Disulfide	0.8	< 0.8	U
75-35-4	1,1-Dichloroethene	0.8	< 0.8	U
75-34-3	1,1-Dichloroethane	0.8	< 0.8	U
156-60-5	trans-1,2-Dichloroethene	0.8	< 0.8	U
156-59-2	cis-1,2-Dichloroethene	0.8	< 0.8	U
67-66-3	Chloroform	0.8	< 0.8	U
107-06-2	1,2-Dichloroethane	0.8	< 0.8	U
78-93-3	2-Butanone	4.2	< 4.2	U
71-55-6	1,1,1-Trichloroethane	0.8	< 0.8	U
56-23-5	Carbon Tetrachloride	0.8	< 0.8	U
108-05-4	Vinyl Acetate	4.2	< 4.2	U
75-27-4	Bromodichloromethane	0.8	< 0.8	U
78-87-5	1,2-Dichloropropane	0.8	< 0.8	U
10061-01-5	cis-1,3-Dichloropropene	0.8	< 0.8	U
79-01-6	Trichloroethene	0.8	< 0.8	U
124-48-1	Dibromochloromethane	0.8	< 0.8	U
79-00-5	1,1,2-Trichloroethane	0.8	< 0.8	U
71-43-2	Benzene	0.8	< 0.8	U
10061-02-6	trans-1,3-Dichloropropene	0.8	< 0.8	U
110-75-8	2-Chloroethylvinylether	4.2	< 4.2	U
75-25-2	Bromoform	0.8	< 0.8	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	4.2	< 4.2	U
591-78-6	2-Hexanone	35	< 35	Y
127-18-4	Tetrachloroethene	0.8	< 0.8	U
79-34-5	1,1,2,2-Tetrachloroethane	0.8	< 0.8	U
108-88-3	Toluene	0.8	< 0.8	U
108-90-7	Chlorobenzene	0.8	< 0.8	U
100-41-4	Ethylbenzene	0.8	< 0.8	U
100-42-5	Styrene	0.8	< 0.8	U
75-69-4	Trichlorofluoromethane	0.8	< 0.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	1.7	< 1.7	U
179601-23-1	m,p-Xylene	0.8	< 0.8	U
95-47-6	o-Xylene	0.8	< 0.8	U
95-50-1	1,2-Dichlorobenzene	0.8	< 0.8	U
541-73-1	1,3-Dichlorobenzene	0.8	< 0.8	U
106-46-7	1,4-Dichlorobenzene	0.8	< 0.8	U
107-02-8	Acrolein	42	< 42	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-12(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89K
LIMS ID: 11-25261
Matrix: Soil
Date Analyzed: 11/02/11 16:17

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	0.8	< 0.8	U
74-96-4	Bromoethane	1.7	< 1.7	U
107-13-1	Acrylonitrile	4.2	< 4.2	U
563-58-6	1,1-Dichloropropene	0.8	< 0.8	U
74-95-3	Dibromomethane	0.8	< 0.8	U
630-20-6	1,1,1,2-Tetrachloroethane	0.8	< 0.8	U
96-12-8	1,2-Dibromo-3-chloropropane	4.2	< 4.2	U
96-18-4	1,2,3-Trichloropropane	1.7	< 1.7	U
110-57-6	trans-1,4-Dichloro-2-butene	4.2	< 4.2	U
108-67-8	1,3,5-Trimethylbenzene	0.8	< 0.8	U
95-63-6	1,2,4-Trimethylbenzene	0.8	< 0.8	U
87-68-3	Hexachlorobutadiene	4.2	< 4.2	U
106-93-4	Ethylene Dibromide	0.8	< 0.8	U
74-97-5	Bromochloromethane	0.8	< 0.8	U
594-20-7	2,2-Dichloropropane	0.8	< 0.8	U
142-28-9	1,3-Dichloropropane	0.8	< 0.8	U
98-82-8	Isopropylbenzene	0.8	< 0.8	U
103-65-1	n-Propylbenzene	0.8	< 0.8	U
108-86-1	Bromobenzene	0.8	< 0.8	U
95-49-8	2-Chlorotoluene	0.8	< 0.8	U
106-43-4	4-Chlorotoluene	0.8	< 0.8	U
98-06-6	tert-Butylbenzene	0.8	< 0.8	U
135-98-8	sec-Butylbenzene	0.8	< 0.8	U
99-87-6	4-Isopropyltoluene	0.8	< 0.8	U
104-51-8	n-Butylbenzene	0.8	< 0.8	U
120-82-1	1,2,4-Trichlorobenzene	4.2	< 4.2	U
91-20-3	Naphthalene	4.2	< 4.2	U
87-61-6	1,2,3-Trichlorobenzene	4.2	< 4.2	U
1634-04-4	Methyl tert-Butyl Ether	0.8	< 0.8	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	133%
d8-Toluene	105%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	105%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: NDP-5(0-1)-111101**
 SAMPLE

Lab Sample ID: TU89L
LIMS ID: 11-25262
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 16:38

Sample Amount: 3.65 g-dry-wt
Purge Volume: 5.0 mL
Moisture: 26.6%

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.4	< 1.4	U
74-83-9	Bromomethane	1.4	< 1.4	U
75-01-4	Vinyl Chloride	1.4	< 1.4	U
75-00-3	Chloroethane	1.4	< 1.4	U
75-09-2	Methylene Chloride	2.7	< 2.7	U
67-64-1	**Acetone**	**6.9**	**120**	
75-15-0	Carbon Disulfide	1.4	< 1.4	U
75-35-4	1,1-Dichloroethene	1.4	< 1.4	U
75-34-3	1,1-Dichloroethane	1.4	< 1.4	U
156-60-5	trans-1,2-Dichloroethene	1.4	< 1.4	U
156-59-2	cis-1,2-Dichloroethene	1.4	< 1.4	U
67-66-3	Chloroform	1.4	< 1.4	U
107-06-2	1,2-Dichloroethane	1.4	< 1.4	U
78-93-3	2-Butanone	6.9	< 6.9	U
71-55-6	1,1,1-Trichloroethane	1.4	< 1.4	U
56-23-5	Carbon Tetrachloride	1.4	< 1.4	U
108-05-4	Vinyl Acetate	6.9	< 6.9	U
75-27-4	Bromodichloromethane	1.4	< 1.4	U
78-87-5	1,2-Dichloropropane	1.4	< 1.4	U
10061-01-5	cis-1,3-Dichloropropene	1.4	< 1.4	U
79-01-6	Trichloroethene	1.4	< 1.4	U
124-48-1	Dibromochloromethane	1.4	< 1.4	U
79-00-5	1,1,2-Trichloroethane	1.4	< 1.4	U
71-43-2	Benzene	1.4	< 1.4	U
10061-02-6	trans-1,3-Dichloropropene	1.4	< 1.4	U
110-75-8	2-Chloroethylvinylether	6.9	< 6.9	U
75-25-2	Bromoform	1.4	< 1.4	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	6.9	< 6.9	U
591-78-6	2-Hexanone	51	< 51	Y
127-18-4	Tetrachloroethene	1.4	< 1.4	U
79-34-5	1,1,2,2-Tetrachloroethane	1.4	< 1.4	U
108-88-3	Toluene	1.4	< 1.4	U
108-90-7	Chlorobenzene	1.4	< 1.4	U
100-41-4	Ethylbenzene	1.4	< 1.4	U
100-42-5	Styrene	1.4	< 1.4	U
75-69-4	Trichlorofluoromethane	1.4	< 1.4	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.7	< 2.7	U
179601-23-1	m,p-Xylene	1.4	< 1.4	U
95-47-6	o-Xylene	1.4	< 1.4	U
95-50-1	1,2-Dichlorobenzene	1.4	< 1.4	U
541-73-1	1,3-Dichlorobenzene	1.4	< 1.4	U
106-46-7	1,4-Dichlorobenzene	1.4	< 1.4	U
107-02-8	Acrolein	69	< 69	U

Lab Sample ID: TU89L
LIMS ID: 11-25262
Matrix: Soil
Date Analyzed: 11/02/11 16:38

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.4	< 1.4	U
74-96-4	Bromoethane	2.7	< 2.7	U
107-13-1	Acrylonitrile	6.9	< 6.9	U
563-58-6	1,1-Dichloropropene	1.4	< 1.4	U
74-95-3	Dibromomethane	1.4	< 1.4	U
630-20-6	1,1,1,2-Tetrachloroethane	1.4	< 1.4	U
96-12-8	1,2-Dibromo-3-chloropropane	6.9	< 6.9	U
96-18-4	1,2,3-Trichloropropane	2.7	< 2.7	U
110-57-6	trans-1,4-Dichloro-2-butene	6.9	< 6.9	U
108-67-8	1,3,5-Trimethylbenzene	1.4	< 1.4	U
95-63-6	1,2,4-Trimethylbenzene	1.4	< 1.4	U
87-68-3	Hexachlorobutadiene	6.9	< 6.9	U
106-93-4	Ethylene Dibromide	1.4	< 1.4	U
74-97-5	Bromochloromethane	1.4	< 1.4	U
594-20-7	2,2-Dichloropropane	1.4	< 1.4	U
142-28-9	1,3-Dichloropropane	1.4	< 1.4	U
98-82-8	Isopropylbenzene	1.4	< 1.4	U
103-65-1	n-Propylbenzene	1.4	< 1.4	U
108-86-1	Bromobenzene	1.4	< 1.4	U
95-49-8	2-Chlorotoluene	1.4	< 1.4	U
106-43-4	4-Chlorotoluene	1.4	< 1.4	U
98-06-6	tert-Butylbenzene	1.4	< 1.4	U
135-98-8	sec-Butylbenzene	1.4	< 1.4	U
99-87-6	4-Isopropyltoluene	1.4	< 1.4	U
104-51-8	n-Butylbenzene	1.4	< 1.4	U
120-82-1	1,2,4-Trichlorobenzene	6.9	< 6.9	U
91-20-3	Naphthalene	6.9	< 6.9	U
87-61-6	1,2,3-Trichlorobenzene	6.9	< 6.9	U
1634-04-4	Methyl tert-Butyl Ether	1.4	< 1.4	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	129%
d8-Toluene	105%
Bromofluorobenzene	102%
d4-1,2-Dichlorobenzene	104%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
 SAMPLE

Lab Sample ID: TU89V
LIMS ID: 11-25272
Matrix: Water
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 16:59

Sample Amount: 5.00 mL
Purge Volume: 5.0 mL

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	10	< 10	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: Trip Blanks**
 SAMPLE

Lab Sample ID: TU89V
LIMS ID: 11-25272
Matrix: Water
Date Analyzed: 11/02/11 16:59

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

CAS Number	Analyte	RL	Result	Q
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	U
179601-23-1	m,p-Xylene	2.0	< 2.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	10	< 10	U
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 5.0	U
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	5.0	< 5.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	< 1.0	U

Reported in µg/L (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	124%
d8-Toluene	104%
Bromofluorobenzene	99.8%
d4-1,2-Dichlorobenzene	106%

2-Chloroethylvinylether is an acid labile compound and may not be recovered from an acid preserved sample.

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

ARI ID	Client ID	Level	DCE	TOL	BFB	DCB	TOT OUT
MB-110211	Method Blank	Low	102%	100%	99.0%	102%	0
LCS-110211	Lab Control	Low	98.7%	100%	102%	99.5%	0
LCSD-110211	Lab Control Dup	Low	98.2%	99.1%	97.8%	103%	0
TU89A	NDP-9(0-1)-111101	Low	125%	103%	102%	103%	0
TU89B	NDP-7(0-1)-111101	Low	126%	103%	103%	104%	0
TU89C	NDP-3(0-1)-111101	Low	122%	102%	100%	103%	0
TU89D	NDP-2(0-1)-111101	Low	123%	103%	102%	103%	0
TU89E	NDP-1(0-0.5)-111101	Low	121%	103%	99.6%	104%	0
TU89F	NDP-10(0-1)-111101	Low	120%	103%	99.4%	102%	0
TU89G	NDP-6(0-1)-111101	Low	128%	102%	102%	105%	0
TU89H	NDP-4(0-1)-111101	Low	131%	104%	103%	104%	0
TU89I	NDP-8(0-1)-111101	Low	129%	104%	103%	105%	0
TU89J	NDP-11(0-1)-111101	Low	130%	104%	101%	106%	0
TU89K	NDP-12(0-1)-111101	Low	133%	105%	102%	105%	0
TU89L	NDP-5(0-1)-111101	Low	129%	105%	102%	104%	0

	LCS/MB LIMITS		QC LIMITS	
SW8260C	Low	Med	Low	Med
(DCE) = d4-1,2-Dichloroethane	79-121	76-120	75-152	69-120
(TOL) = d8-Toluene	80-120	80-120	82-115	80-120
(BFB) = Bromofluorobenzene	80-120	80-120	64-120	76-128
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120	80-120	80-120

Log Number Range: 11-25251 to 11-25262

ANALYTICAL RESOURCES INCORPORATED

VOA SURROGATE RECOVERY SUMMARY

Matrix: Water

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

ARI ID	Client ID	PV	DCE	TOL	BFB	DCB	TOT OUT
TU89V	Trip Blanks	5	124%	104%	99.8%	106%	0

SW8260C	LCS/MB LIMITS	QC LIMITS
(DCE) = d4-1,2-Dichloroethane	80-122	80-125
(TOL) = d8-Toluene	80-120	80-120
(BFB) = Bromofluorobenzene	80-120	80-120
(DCB) = d4-1,2-Dichlorobenzene	80-120	80-120

Prep Method: SW5030B
Log Number Range: 11-25272 to 11-25272

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-110211**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-110211
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: NA
Date Received: NA

Instrument/Analyst LCS: NT9/PAB
LCSD: NT9/PAB
Date Analyzed LCS: 11/02/11 09:43
LCSD: 11/02/11 10:04

Sample Amount LCS: 5.00 g-dry-wt
LCSD: 5.00 g-dry-wt
Purge Volume LCS: 5.0 mL
LCSD: 5.0 mL
Moisture: NA

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
Chloromethane	43.3	50.0	86.6%	43.8	50.0	87.6%	1.1%
Bromomethane	49.5	50.0	99.0%	50.6	50.0	101%	2.2%
Vinyl Chloride	44.8	50.0	89.6%	45.9	50.0	91.8%	2.4%
Chloroethane	43.4	50.0	86.8%	47.1	50.0	94.2%	8.2%
Methylene Chloride	40.3	50.0	80.6%	40.4	50.0	80.8%	0.2%
Acetone	263	250	105%	266	250	106%	1.1%
Carbon Disulfide	43.9	50.0	87.8%	45.3	50.0	90.6%	3.1%
1,1-Dichloroethene	43.5	50.0	87.0%	45.0	50.0	90.0%	3.4%
1,1-Dichloroethane	42.2	50.0	84.4%	43.6	50.0	87.2%	3.3%
trans-1,2-Dichloroethene	41.9	50.0	83.8%	43.3	50.0	86.6%	3.3%
cis-1,2-Dichloroethene	44.6	50.0	89.2%	46.0	50.0	92.0%	3.1%
Chloroform	44.0	50.0	88.0%	44.8	50.0	89.6%	1.8%
1,2-Dichloroethane	42.9	50.0	85.8%	44.8	50.0	89.6%	4.3%
2-Butanone	229	250	91.6%	251	250	100%	9.2%
1,1,1-Trichloroethane	45.2	50.0	90.4%	47.1	50.0	94.2%	4.1%
Carbon Tetrachloride	47.2	50.0	94.4%	50.0	50.0	100%	5.8%
Vinyl Acetate	47.4	50.0	94.8%	50.0	50.0	100%	5.3%
Bromodichloromethane	46.1	50.0	92.2%	47.5	50.0	95.0%	3.0%
1,2-Dichloropropane	43.6	50.0	87.2%	45.3	50.0	90.6%	3.8%
cis-1,3-Dichloropropene	48.7	50.0	97.4%	50.1	50.0	100%	2.8%
Trichloroethene	44.5	50.0	89.0%	46.8	50.0	93.6%	5.0%
Dibromochloromethane	47.2	50.0	94.4%	50.8	50.0	102%	7.3%
1,1,2-Trichloroethane	44.2	50.0	88.4%	46.0	50.0	92.0%	4.0%
Benzene	43.4	50.0	86.8%	46.0	50.0	92.0%	5.8%
trans-1,3-Dichloropropene	49.1	50.0	98.2%	50.6	50.0	101%	3.0%
2-Chloroethylvinylether	51.2	50.0	102%	55.3	50.0	111%	7.7%
Bromoform	47.4	50.0	94.8%	56.7	50.0	113%	17.9%
4-Methyl-2-Pentanone (MIBK)	231	250	92.4%	259	250	104%	11.4%
2-Hexanone	240	250	96.0%	285	250	114%	17.1%
Tetrachloroethene	44.6	50.0	89.2%	49.1	50.0	98.2%	9.6%
1,1,2,2-Tetrachloroethane	41.9	50.0	83.8%	52.2	50.0	104%	21.9%
Toluene	43.1	50.0	86.2%	45.3	50.0	90.6%	5.0%
Chlorobenzene	42.7	50.0	85.4%	46.1	50.0	92.2%	7.7%
Ethylbenzene	44.0	50.0	88.0%	47.8	50.0	95.6%	8.3%
Styrene	48.2	50.0	96.4%	52.0	50.0	104%	7.6%
Trichlorofluoromethane	40.8	50.0	81.6%	46.2	50.0	92.4%	12.4%
1,1,2-Trichloro-1,2,2-trifluoroetha	43.5	50.0	87.0%	44.9	50.0	89.8%	3.2%
m,p-Xylene	93.0	100	93.0%	101	100	101%	8.2%
o-Xylene	47.4	50.0	94.8%	51.1	50.0	102%	7.5%
1,2-Dichlorobenzene	42.2	50.0	84.4%	49.5	50.0	99.0%	15.9%
1,3-Dichlorobenzene	43.5	50.0	87.0%	50.6	50.0	101%	15.1%
1,4-Dichlorobenzene	42.8	50.0	85.6%	50.0	50.0	100%	15.5%
Acrolein	224	250	89.6%	241	250	96.4%	7.3%
Methyl Iodide	43.8	50.0	87.6%	45.5	50.0	91.0%	3.8%
Bromoethane	41.3	50.0	82.6%	43.2	50.0	86.4%	4.5%
Acrylonitrile	48.8	50.0	97.6%	48.2	50.0	96.4%	1.2%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: LCS-110211**
 LAB CONTROL SAMPLE

Lab Sample ID: LCS-110211 QC Report No: TU89-Landau Associates, Inc.
LIMS ID: 11-25251 Project: Boeing Striker: North Detention Pon
Matrix: Soil 025195.040.045

Analyte	LCS	Spike Added-LCS	LCS Recovery	LCSD	Spike Added-LCSD	LCSD Recovery	RPD
1,1-Dichloropropene	45.9	50.0	91.8%	49.4	50.0	98.8%	7.3%
Dibromomethane	44.2	50.0	88.4%	46.4	50.0	92.8%	4.9%
1,1,1,2-Tetrachloroethane	45.0	50.0	90.0%	48.3	50.0	96.6%	7.1%
1,2-Dibromo-3-chloropropane	46.6	50.0	93.2%	58.8	50.0	118%	23.1%
1,2,3-Trichloropropane	42.8	50.0	85.6%	53.2	50.0	106%	21.7%
trans-1,4-Dichloro-2-butene	44.3	50.0	88.6%	57.0	50.0	114%	25.1%
1,3,5-Trimethylbenzene	45.7	50.0	91.4%	53.9	50.0	108%	16.5%
1,2,4-Trimethylbenzene	46.4	50.0	92.8%	54.4	50.0	109%	15.9%
Hexachlorobutadiene	45.4	50.0	90.8%	55.7	50.0	111%	20.4%
Ethylene Dibromide	46.2	50.0	92.4%	48.5	50.0	97.0%	4.9%
Bromochloromethane	44.3	50.0	88.6%	45.6	50.0	91.2%	2.9%
2,2-Dichloropropane	47.3	50.0	94.6%	49.1	50.0	98.2%	3.7%
1,3-Dichloropropane	43.9	50.0	87.8%	47.7	50.0	95.4%	8.3%
Isopropylbenzene	45.8	50.0	91.6%	55.3	50.0	111%	18.8%
n-Propylbenzene	44.0	50.0	88.0%	52.9	50.0	106%	18.4%
Bromobenzene	42.1	50.0	84.2%	49.3	50.0	98.6%	15.8%
2-Chlorotoluene	43.6	50.0	87.2%	51.8	50.0	104%	17.2%
4-Chlorotoluene	44.4	50.0	88.8%	52.2	50.0	104%	16.1%
tert-Butylbenzene	45.4	50.0	90.8%	54.3	50.0	109%	17.9%
sec-Butylbenzene	45.2	50.0	90.4%	54.3	50.0	109%	18.3%
4-Isopropyltoluene	47.8	50.0	95.6%	57.0	50.0	114%	17.6%
n-Butylbenzene	48.4 Q	50.0	96.8%	58.0 Q	50.0	116%	18.0%
1,2,4-Trichlorobenzene	50.6	50.0	101%	58.3	50.0	117%	14.1%
Naphthalene	53.0	50.0	106%	63.8	50.0	128%	18.5%
1,2,3-Trichlorobenzene	50.4	50.0	101%	57.4	50.0	115%	13.0%
Methyl tert-Butyl Ether	44.6	50.0	89.2%	44.7	50.0	89.4%	0.2%

Reported in µg/kg (ppb)

RPD calculated using sample concentrations per SW846.

Volatile Surrogate Recovery

	LCS	LCSD
d4-1,2-Dichloroethane	98.7%	98.2%
d8-Toluene	100%	99.1%
Bromofluorobenzene	102%	97.8%
d4-1,2-Dichlorobenzene	99.5%	103%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-110211**
 METHOD BLANK

Lab Sample ID: MB-110211
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/03/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: NA
Date Received: NA

Instrument/Analyst: NT9/PAB
Date Analyzed: 11/02/11 10:25

Sample Amount: 5.00 g-dry-wt
Purge Volume: 5.0 mL
Moisture: NA

CAS Number	Analyte	RL	Result	Q
74-87-3	Chloromethane	1.0	< 1.0	U
74-83-9	Bromomethane	1.0	< 1.0	U
75-01-4	Vinyl Chloride	1.0	< 1.0	U
75-00-3	Chloroethane	1.0	< 1.0	U
75-09-2	Methylene Chloride	2.0	< 2.0	U
67-64-1	Acetone	5.0	< 5.0	U
75-15-0	Carbon Disulfide	1.0	< 1.0	U
75-35-4	1,1-Dichloroethene	1.0	< 1.0	U
75-34-3	1,1-Dichloroethane	1.0	< 1.0	U
156-60-5	trans-1,2-Dichloroethene	1.0	< 1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	< 1.0	U
67-66-3	Chloroform	1.0	< 1.0	U
107-06-2	1,2-Dichloroethane	1.0	< 1.0	U
78-93-3	2-Butanone	5.0	< 5.0	U
71-55-6	1,1,1-Trichloroethane	1.0	< 1.0	U
56-23-5	Carbon Tetrachloride	1.0	< 1.0	U
108-05-4	Vinyl Acetate	5.0	< 5.0	U
75-27-4	Bromodichloromethane	1.0	< 1.0	U
78-87-5	1,2-Dichloropropane	1.0	< 1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	< 1.0	U
79-01-6	Trichloroethene	1.0	< 1.0	U
124-48-1	Dibromochloromethane	1.0	< 1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	< 1.0	U
71-43-2	Benzene	1.0	< 1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	< 1.0	U
110-75-8	2-Chloroethylvinylether	5.0	< 5.0	U
75-25-2	Bromoform	1.0	< 1.0	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.0	< 5.0	U
591-78-6	2-Hexanone	5.0	< 5.0	U
127-18-4	Tetrachloroethene	1.0	< 1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	< 1.0	U
108-88-3	Toluene	1.0	< 1.0	U
108-90-7	Chlorobenzene	1.0	< 1.0	U
100-41-4	Ethylbenzene	1.0	< 1.0	U
100-42-5	Styrene	1.0	< 1.0	U
75-69-4	Trichlorofluoromethane	1.0	< 1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroe	2.0	< 2.0	U
179601-23-1	m,p-Xylene	1.0	< 1.0	U
95-47-6	o-Xylene	1.0	< 1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	< 1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	< 1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	< 1.0	U
107-02-8	Acrolein	50	< 50	U

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
Volatiles by Purge & Trap GC/MS-Method SW8260C **Sample ID: MB-110211**
 METHOD BLANK

Lab Sample ID: MB-110211 QC Report No: TU89-Landau Associates, Inc.
LIMS ID: 11-25251 Project: Boeing Striker: North Detention Pon
Matrix: Soil 025195.040.045
Date Analyzed: 11/02/11 10:25

CAS Number	Analyte	RL	Result	Q
74-88-4	Methyl Iodide	1.0	< 1.0	U
74-96-4	Bromoethane	2.0	< 2.0	U
107-13-1	Acrylonitrile	5.0	< 5.0	U
563-58-6	1,1-Dichloropropene	1.0	< 1.0	U
74-95-3	Dibromomethane	1.0	< 1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	< 1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	< 5.0	U
96-18-4	1,2,3-Trichloropropane	2.0	< 2.0	U
110-57-6	trans-1,4-Dichloro-2-butene	5.0	< 5.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	< 1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	< 1.0	U
87-68-3	Hexachlorobutadiene	5.0	< 5.0	U
106-93-4	Ethylene Dibromide	1.0	< 1.0	U
74-97-5	Bromochloromethane	1.0	< 1.0	U
594-20-7	2,2-Dichloropropane	1.0	< 1.0	U
142-28-9	1,3-Dichloropropane	1.0	< 1.0	U
98-82-8	Isopropylbenzene	1.0	< 1.0	U
103-65-1	n-Propylbenzene	1.0	< 1.0	U
108-86-1	Bromobenzene	1.0	< 1.0	U
95-49-8	2-Chlorotoluene	1.0	< 1.0	U
106-43-4	4-Chlorotoluene	1.0	< 1.0	U
98-06-6	tert-Butylbenzene	1.0	< 1.0	U
135-98-8	sec-Butylbenzene	1.0	< 1.0	U
99-87-6	4-Isopropyltoluene	1.0	< 1.0	U
104-51-8	n-Butylbenzene	1.0	< 1.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	< 5.0	U
91-20-3	Naphthalene	5.0	< 5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	< 5.0	U
1634-04-4	Methyl tert-Butyl Ether	1.0	< 1.0	U

Reported in µg/kg (ppb)

Volatile Surrogate Recovery

d4-1,2-Dichloroethane	102%
d8-Toluene	100%
Bromofluorobenzene	99.0%
d4-1,2-Dichlorobenzene	102%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPH-HCID Method by GC/FID
Page 1 of 2
Matrix: Soil

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention
025195.040.045

Data Release Authorized:
Reported: 11/04/11

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
TU89A	NDP-9(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25251	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	114%
TU89B	NDP-7(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25252	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	111%
TU89C	NDP-3(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25253	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	111%
TU89D	NDP-2(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25254	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	112%
TU89E	NDP-1(0-0.5)-111101	11/02/11	11/03/11	1.0	Gas	< 36 U
11-25255	HC ID: ---				Diesel	< 89 U
					Oil	< 180 U
					o-Terphenyl	111%
TU89F	NDP-10(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25256	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	117%
TU89G	NDP-6(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25257	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	113%
TU89H	NDP-4(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25258	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	109%
TU89I	NDP-8(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25259	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	107%

ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPH-HCID Method by GC/FID

Matrix: Soil

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention
025195.040.045

Data Release Authorized:
Reported: 11/04/11

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result
TU89J	NDP-11(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25260	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	108%
MB-110211	Method Blank	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25261					Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	100%
TU89K	NDP-12(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25261	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	107%
TU89KDP	NDP-12(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25261	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	105%
TU89L	NDP-5(0-1)-111101	11/02/11	11/03/11	1.0	Gas	< 20 U
11-25262	HC ID: ---				Diesel	< 50 U
					Oil	< 100 U
					o-Terphenyl	105%

Reported in mg/kg (ppm)

Gas value based on total peaks in the range from Toluene to C12.
Diesel value based on the total peaks in the range from C12 to C24.
Oil value based on the total peaks in the range from C24 to C38.

ANALYTICAL RESOURCES INCORPORATED

HCID SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045

Client ID	O-TER	TOT OUT
NDP-9(0-1)-111101	114%	0
NDP-7(0-1)-111101	111%	0
NDP-3(0-1)-111101	111%	0
NDP-2(0-1)-111101	112%	0
NDP-1(0-0.5)-111101	111%	0
NDP-10(0-1)-111101	117%	0
NDP-6(0-1)-111101	113%	0
NDP-4(0-1)-111101	109%	0
NDP-8(0-1)-111101	107%	0
NDP-11(0-1)-111101	108%	0
110211MB	100%	0
NDP-12(0-1)-111101	107%	0
NDP-12(0-1)-111101 DP	105%	0
NDP-5(0-1)-111101	105%	0

	LCS/MB LIMITS	QC LIMITS
(O-TER) = o-Terphenyl	(68-122)	(50-150)

Prep Method: SW3550B
Log Number Range: 11-25251 to 11-25262

ANALYTICAL RESOURCES INCORPORATED

TOTAL HCID RANGE HYDROCARBONS-EXTRACTION REPORT

ARI Job: TU89
Matrix: Soil
Project: Boeing Striker: North Detention Pon
Date Received: 11/01/11
025195.040.045

ARI ID	Client ID	Sample Amt	Final Vol	Basis	Prep Date
11-25251-TU89A	NDP-9(0-1)-111101	7.37 g	5.00 mL	D	11/02/11
11-25252-TU89B	NDP-7(0-1)-111101	6.99 g	5.00 mL	D	11/02/11
11-25253-TU89C	NDP-3(0-1)-111101	7.63 g	5.00 mL	D	11/02/11
11-25254-TU89D	NDP-2(0-1)-111101	6.47 g	5.00 mL	D	11/02/11
11-25255-TU89E	NDP-1(0-0.5)-111101	2.80 g	5.00 mL	D	11/02/11
11-25256-TU89F	NDP-10(0-1)-111101	6.39 g	5.00 mL	D	11/02/11
11-25257-TU89G	NDP-6(0-1)-111101	6.25 g	5.00 mL	D	11/02/11
11-25258-TU89H	NDP-4(0-1)-111101	6.55 g	5.00 mL	D	11/02/11
11-25259-TU89I	NDP-8(0-1)-111101	6.96 g	5.00 mL	D	11/02/11
11-25260-TU89J	NDP-11(0-1)-111101	8.08 g	5.00 mL	D	11/02/11
11-25261-110211MB	Method Blank	10.0 g	5.00 mL	-	11/02/11
11-25261-TU89K	NDP-12(0-1)-111101	9.04 g	5.00 mL	D	11/02/11
11-25261-TU89KDP	NDP-12(0-1)-111101	9.28 g	5.00 mL	D	11/02/11
11-25262-TU89L	NDP-5(0-1)-111101	7.36 g	5.00 mL	D	11/02/11

Basis: D=Dry Weight W=As Received

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-9(0-1)-111101
SAMPLE

Lab Sample ID: TU89A
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 76.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**5.9**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.2**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.6	**15.7**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.6	**30.6**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**66.8**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.04**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	5	**62**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: NDP-7(0-1)-111101
SAMPLE

Lab Sample ID: TU89B
LIMS ID: 11-25252
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 68.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**6.6**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.5**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.3**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.7	**17.4**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.7	**45.7**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**14.2**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.09**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	6	**65**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-3(0-1)-111101
SAMPLE

Lab Sample ID: TU89C
LIMS ID: 11-25253
Matrix: Soild
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 75.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.2	**6.7**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.2	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.6**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.6	**17.9**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.6	**62.7**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**36.6**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.07**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	5	**122**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: NDP-2(0-1)-111101
SAMPLE

Lab Sample ID: TU89D
LIMS ID: 11-25254
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 64.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**10.1**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.7**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.7	**21.3**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.7	**63.4**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**27.8**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.04	**0.06**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	6	**147**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-1(0-0.5)-111101
SAMPLE

Lab Sample ID: TU89E
LIMS ID: 11-25255
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 28.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.7	**21.0**	
3050B	11/02/11	200.8	11/03/11	7440-41-7	Beryllium	0.7	0.7	U
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.3	**1.7**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	2	**49**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	2	**295**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.3	**132**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.08	**0.33**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	10	**400**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: NDP-10(0-1)-111101
SAMPLE

Lab Sample ID: TU89F
LIMS ID: 11-25256
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 62.7%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**7.0**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.3**	
3050B	11/02/11	200.8	11/03/11	7440-43-9	Cadmium	0.2	0.2	U
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.8	**17.0**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.8	**30.7**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.2	**9.8**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.05**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	6	**54**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: NDP-6(0-1)-111101
SAMPLE

Lab Sample ID: TU89G
LIMS ID: 11-25257
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 56.5%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**10.8**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.2	**0.2**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.8	**17.0**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.8	**50.3**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.2	**26.7**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.04	**0.05**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	7	**87**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: NDP-4(0-1)-111101
SAMPLE

Lab Sample ID: TU89H
LIMS ID: 11-25258
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 62.6%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**13.2**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.5**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.7	**20.5**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.7	**51.6**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**27.1**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.07**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	6	**144**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: NDP-8(0-1)-111101
SAMPLE

Lab Sample ID: TU89I
LIMS ID: 11-25259
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 68.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**6.4**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.6**	
3050B	11/02/11	200.8	11/03/11	7440-43-9	Cadmium	0.1	0.1	U
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.7	**20.3**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.7	**42.3**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**12.0**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.05**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	6	**57**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: NDP-11(0-1)-111101
SAMPLE

Lab Sample ID: TU89J
LIMS ID: 11-25260
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 78.1%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.2	**6.7**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.2	**0.4**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.2**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.6	**16.7**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.6	**29.4**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**88.3**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.05**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	5	**50**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-12(0-1)-111101
SAMPLE

Lab Sample ID: TU89K
LIMS ID: 11-25261
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 90.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.2	**5.7**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.2	**0.3**	
3050B	11/02/11	200.8	11/03/11	7440-43-9	Cadmium	0.1	0.1	U
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.5	**22.4**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.5	**20.5**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**7.3**	
CLP	11/02/11	7471A	11/03/11	7439-97-6	Mercury	0.02	0.02	U
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	4	**40**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-5(0-1)-111101
SAMPLE

Lab Sample ID: TU89L
LIMS ID: 11-25262
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 72.8%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	**7440-38-2**	**Arsenic**	0.3	**7.6**	
3050B	11/02/11	200.8	11/03/11	**7440-41-7**	**Beryllium**	0.3	**0.5**	
3050B	11/02/11	200.8	11/03/11	**7440-43-9**	**Cadmium**	0.1	**0.2**	
3050B	11/02/11	200.8	11/03/11	**7440-47-3**	**Chromium**	0.7	**19.5**	
3050B	11/02/11	200.8	11/03/11	**7440-50-8**	**Copper**	0.7	**40.4**	
3050B	11/02/11	200.8	11/03/11	**7439-92-1**	**Lead**	0.1	**15.8**	
CLP	11/02/11	7471A	11/03/11	**7439-97-6**	**Mercury**	0.03	**0.07**	
3050B	11/02/11	200.8	11/03/11	**7440-66-6**	**Zinc**	5	**67**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-9(0-1)-111101
MATRIX SPIKE

Lab Sample ID: TU89A
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	200.8	5.9	35.3	32.0	91.9%	
Beryllium	200.8	0.4	34.5	32.0	107%	
Cadmium	200.8	0.2	32.2	32.0	100%	
Chromium	200.8	15.7	43.7	32.0	87.5%	
Copper	200.8	30.6	66.0	32.0	111%	
Lead	200.8	66.8	110	32.0	135%	N
Mercury	7471A	0.04	0.31	0.266	102%	
Zinc	200.8	62	175	102	111%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
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Sample ID: NDP-9(0-1)-111101
DUPLICATE

Lab Sample ID: TU89A
LIMS ID: 11-25251
Matrix: Soil
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon
025195.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	200.8	5.9	6.5	9.7%	+/- 20%	
Beryllium	200.8	0.4	0.4	0.0%	+/- 0.3	L
Cadmium	200.8	0.2	0.2	0.0%	+/- 0.1	L
Chromium	200.8	15.7	16.4	4.4%	+/- 20%	
Copper	200.8	30.6	31.0	1.3%	+/- 20%	
Lead	200.8	66.8	64.8	3.0%	+/- 20%	
Mercury	7471A	0.04	0.05	22.2%	+/- 0.03	L
Zinc	200.8	62	62	0.0%	+/- 20%	

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: LAB CONTROL**

Lab Sample ID: TU89LCS
LIMS ID: 11-25252
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	26.1	25.0	104%	
Beryllium	200.8	27.0	25.0	108%	
Cadmium	200.8	27.2	25.0	109%	
Chromium	200.8	26.6	25.0	106%	
Copper	200.8	29.3	25.0	117%	
Lead	200.8	28.5	25.0	114%	
Mercury	7471A	0.50	0.50	100%	
Zinc	200.8	92	80	115%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: TU89MB
LIMS ID: 11-25252
Matrix: Solid
Data Release Authorized:
Reported: 11/07/11

QC Report No: TU89-Landau Associates, Inc.
Project: Boeing Striker: North Detention Pon 025195.040.045
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/02/11	200.8	11/03/11	7440-38-2	Arsenic	0.2	0.2	U
3050B	11/02/11	200.8	11/03/11	7440-41-7	Beryllium	0.2	0.2	U
3050B	11/02/11	200.8	11/03/11	7440-43-9	Cadmium	0.1	0.1	U
3050B	11/02/11	200.8	11/03/11	7440-47-3	Chromium	0.5	0.5	U
3050B	11/02/11	200.8	11/03/11	7440-50-8	Copper	0.5	0.5	U
3050B	11/02/11	200.8	11/03/11	7439-92-1	Lead	0.1	0.1	U
CLP	11/02/11	7471A	11/03/11	7439-97-6	Mercury	0.02	0.02	U
3050B	11/02/11	200.8	11/03/11	7440-66-6	Zinc	4	4	U

U-Analyte undetected at given RL
RL-Reporting Limit

Analytical Resources, Incorporated
Analytical Chemists and Consultants

November 22, 2011

Kathryn Hartley
Landau Associates
130 Second Avenue South
Edmonds, WA 98020

RE: Project: Boeing Striker: North Detention Pond, 025195.040.045
ARI Job: TW18

Dear Kathryn,

Enclosed please find a revised Chain-of-Custody (COC) record, sample receipt documentation, email documentation, and the final data report for the samples from the project referenced above. Analytical Resources, Inc. (ARI) accepted six soil samples, fifteen solid samples, and a trip blank on November 1, 2011. For further details regarding sample receipt, please refer to the enclosed Cooler Receipt Form. Select samples were placed on hold pending further instructions.

The samples were originally analyzed for VOCs, NWTPH-HCID, and Total Metals, as requested on the COC and reported under ARI SDG TU89.

At the request of Landau Associates, select samples were analyzed for arsenic.

The matrix spike duplicate RPD is outside the +/-20% control limit in association with sample NDP-2 (1-2)110111.

There were no other analytical complications noted.

Quality control analysis results are included for your review. An electronic copy of this report and all associated raw data will be kept on file at ARI. If you have any questions or require additional information, please contact me at your convenience.

Sincerely,
ANALYTICAL RESOURCES, INC

Kelly Bottem
Client Services Manager
(206) 695-6211
kellyb@arilabs.com
www.arilabs.com

Edited by CFB 11/2/11

Edited by CFB 11/8/11

LANDAU ASSOCIATES

- [x] **Seattle/Edmonds** (425) 778-0907
- [ ] **Tacoma** (253) 926-2493
- [ ] **Spokane** (509) 327-9737
- [ ] **Portland** (503) 542-1080
- [ ] ______

Chain-of-Custody Record

Date 11/1/11

Page 1 of 2

Project Name ~~Striker~~ Boeing: North Detention Pond Project No. 025155.040.045

Project Location/Event Kent, WA

Sampler's Name CFB / MWB

Project Contact Kathleen Hartley, Tim Syverson

Send Results To ", TLS, CFB, Joe Flaherty

Turnaround Time
- [x] Standard
- [ ] Accelerated
- ~~3-day~~

Testing Parameters

Sample I.D.	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive	Arsenic							
NDP-9(0-1)-~~[illegible]~~	11/1/11	0930	Soil	7	X	X	X									
NDP-9(1-2)-~~110111~~	11/1/11	0945	Soil	7				X								
NDP-7(0-1)-~~110111~~	11/1/11	1030	~~Sediment~~	7	X	X	X									
NDP-7(1-2)-~~110111~~	11/1/11	1045	~~Sediment~~	7				X								
NDP-3(0-1)-~~110111~~	11/1/11	1100	~~Sediment~~	7	X	X	X									
NDP-3(1-2)-~~110111~~	11/1/11	1115	~~Sediment~~	7				X								
NDP-2(0-1)-~~110111~~	11/1/11	1130	~~Sediment~~	7	X	X	X									
NDP-2(1-2)-~~110111~~	11/1/11	1145	~~Sediment~~	7				X	X							
NDP-1(0-0.5)-~~110111~~	11/1/11	1200	~~Sediment~~	7	X	X	X									
NDP-10(0-1)-~~110111~~	11/1/11	1220	~~Sediment~~	7	X	X	X									
NDP-10(1-2)-~~110111~~	11/1/11	1225	~~Sediment~~	7				X								
NDP-6(0-1)-~~110111~~	11/1/11	1240	~~Sediment~~	7	X	X	X									
NDP-6(1-2)-~~110111~~	11/1/11	1245	~~Sediment~~	7				X	X							
NDP-4(0-1)-~~110111~~	11/1/11	1300	~~Sediment~~	7	X	X	X									
NDP-4(1-2)-~~110111~~	11/1/11	1315	~~Sediment~~	7				X	X							
NDP-8(0-1)-~~110111~~	11/1/11	1400	~~Sediment~~	7	X	X	X									
NDP-8(1-2)-~~110111~~	11/1/11	1405	~~Sediment~~	7				X								
NDP-11(0-1)-~~110111~~	11/1/11	1420	Soil	7	X	X	X									

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to ______ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
- ___ non-preserved
- ___ preserved w/methanol
- ___ preserved w/sodium bisulfate
- ___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other * Hold SG-Dx until HCID results are in

** metals: As, Be, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment Dropped @ ARI

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature [signature]	Signature	Signature
Printed Name Chris Burke	Printed Name A. Volgardsen	Printed Name	Printed Name
Company Landau	Company ARI	Company	Company
Date 11/1/11 Time 1625	Date 11/1/11 Time 1625	Date Time	Date Time

LANDAU ASSOCIATES

☒ **Seattle/Edmonds** (425) 778-0907
☐ **Tacoma** (253) 926-2493
☐ **Spokane** (509) 327-9737
☐ **Portland** (503) 542-1080
☐ ____________

[redacted]
Edited by CFB 11/8/11

Date 11/1/11
Page 2 of 2

Chain-of-Custody Record

Project Name ~~Stoker~~ Boeing : North Detention Pond   Project No. 025195.090.045

Project Location/Event Kent, WA

Sampler's Name CFB/MWB

Project Contact Kathryn Hartley, Tim Syverson

Send Results To ", TLS, CFB, Joe Flaherty

Testing Parameters

Turnaround Time
☒ Standard
☐ Accelerated
~~3-day~~

Sample I.D. ~~111101~~	Date	Time	Matrix	No. of Containers	HCID*	Metals**	VOCs	Archive	Arsenic								
NDP-12 (0-1)-~~110111~~	11/1/11	1440	Soil	7	X	X	X										
NDP-5 (0-1)-~~110111~~	11/1/11	1500	Soil	7	X	X	X										
NDP-5 (1-2)-~~110111~~	11/1/11	1505	Soil	7				X	X								
Trip Blanks			Water	~~X~~ 6			X										
~~NDP-2(1-2)-111101~~	~~11/1/11~~			MWB 11/1/11													
~~NDP-4(1-2)-111101~~	~~11/1/11~~																
~~NDP-5(1-2)-111101~~	~~11/1/11~~																
~~NDP-6(1-2)-111101~~	~~11/1/11~~																

CFB 11/1

Observations/Comments

X Allow water samples to settle, collect aliquot from clear portion

X NWTPH-Dx - run acid wash/silica gel cleanup

___ run samples standardized to ___________ product

___ Analyze for EPH if no specific product identified

VOC/BTEX/VPH (soil):
___ non-preserved
___ preserved w/methanol
___ preserved w/sodium bisulfate
___ Freeze upon receipt

___ Dissolved metal water samples field filtered

Other * Hold Gx + Dx until HCID results are in
** metals: As, Be, Cd, Cd, Cr, Cu, Pb, Hg, Zn

Special Shipment/Handling or Storage Requirements On ice

Method of Shipment Deliver to ARI

Relinquished by	Received by	Relinquished by	Received by
Signature [signature]	Signature [signature]	Signature	Signature
Printed Name Chris Breece	Printed Name A. Volgardsen	Printed Name	Printed Name
Company Landau	Company ARI	Company	Company
Date 11/1/11 Time 1625	Date 11/1/11 Time 1625	Date Time	Date Time

WHITE COPY - Project File **YELLOW COPY** - Laboratory **PINK COPY** - Client Representative

Rev 5/09

Analytical Resources, Incorporated
Analytical Chemists and Consultants

Cooler Receipt Form

ARI Client Boeing
Project Name: Striker: North Detention Pond
COC No(s) _____ (NA)
Delivered by: Fed-Ex UPS Courier Hand Delivered Other: _____
Assigned ARI Job No TV99
Tracking No _____ (NA)

Preliminary Examination Phase:

Were intact, properly signed and dated custody seals attached to the outside of to cooler?	YES	NO
Were custody papers included with the cooler?	YES	NO
Were custody papers properly filled out (ink, signed, etc)	YES	NO

Temperature of Cooler(s) (°C) (recommended 2 0-6 0 °C for chemistry) 5.9 3.3
If cooler temperature is out of compliance fill out form 00070F
Temp Gun ID# 90241609

Cooler Accepted by AV Date 11/1/11 Time 1625

Complete custody forms and attach all shipping documents

Log-In Phase:

Was a temperature blank included in the cooler?		YES	(NO)
What kind of packing material was used? Bubble Wrap (Wet) Ice Gel Packs Baggies Foam Block (Paper) Other: _____			
Was sufficient ice used (if appropriate)?	NA	(YES)	NO
Were all bottles sealed in individual plastic bags?		YES	(NO)
Did all bottles arrive in good condition (unbroken)?		(YES)	NO
Were all bottle labels complete and legible?		(YES)	NO
Did the number of containers listed on COC match with the number of containers received?		(YES)	NO
Did all bottle labels and tags agree with custody papers?		YES	NO
Were all bottles used correct for the requested analyses?		(YES)	NO
Do any of the analyses (bottles) require preservation? (attach preservation sheet, excluding VOCs)	(NA)	YES	NO
Were all VOC vials free of air bubbles?	NA	YES	(NO)
Was sufficient amount of sample sent in each bottle?		(YES)	NO
Date VOC Trip Blank was made at ARI.	NA	10-21-11	

Was Sample Split by ARI: (NA) YES Date/Time _____ Equipment _____ Split by _____

Samples Logged by TS Date 11-2-11 Time 800

*** Notify Project Manager of discrepancies or concerns ***

Sample ID on Bottle	Sample ID on COC	Sample ID on Bottle	Sample ID on COC

Additional Notes, Discrepancies, & Resolutions:

Trip blank 1 'pb'

By TS Date 11-2-11

Small Air Bubbles ~2mm	Peabubbles 2-4 mm	LARGE Air Bubbles > 4 mm
		

Small → "sm"
Peabubbles → "pb"
Large → "lg"
Headspace → "hs"

Sample ID Cross Reference Report

ANALYTICAL RESOURCES INCORPORATED

ARI Job No: TW18
Client: The Boeing Company
Project Event: 02519.040.045
Project Name: Striker: North Detention Pond

	Sample ID	ARI Lab ID	ARI LIMS ID	Matrix	Sample Date/Time	VTSR
1.	NDP-2(1-2)110111	TW18A	11-25906	Solid	11/01/11 11:45	11/01/11 16:25
2.	NDP-6(1-2)110111	TW18B	11-25907	Solid	11/01/11 12:45	11/01/11 16:25
3.	NDP-4(1-2)110111	TW18C	11-25908	Solid	11/01/11 13:15	11/01/11 16:25
4.	NDP-5(1-2)110111	TW18D	11-25909	Soil	11/01/11 15:05	11/01/11 16:25

Printed 11/08/11

Subject: Boeing Striker North Detention Pond sampling
From: "Chris Burke" <cburke@landauinc.com>
Date: Wed, 2 Nov 2011 13:37:18 -0700
To: Kelly Bottem <kellyb@arilabs.com>
CC: "Kathryn Hartley" <khartley@landauinc.com>

Hey Kelly,

Kathryn and I noticed a few errors on the COC from yesterday's sampling at the Striker property. I've edited the COCs and attached a scan of those edits.

The changes I made were:
- fixed the sample IDs to use proper date format, i.e., NDP-1(0-1)-110111 became the correct NDP-1(0-1)-111101
- Changed matrix type from sediment to solids
- Checked VOCs analysis for the trip blanks
-Added 'Boeing' to the project name

I highlighted all the changes for clarity, let me know if you have any questions,

Chris Burke ¨ Senior Staff Hydrogeologist
Landau Associates, Inc.
130 2nd Ave. S, Edmonds, WA 98020
425.329.0297¨ fax 425.778.6409¨ cell 716.579.2975
cburke@landauinc.com ¨ http://www.landauinc.com

Boeing Striker NPD COC 110111 - revised.pdf	**Content-Description:**	Boeing Striker NPD COC 110111 - revised.pdf
	Content-Type:	application/pdf
	Content-Encoding:	base64

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS

Sample ID: NDP-2(1-2)110111
SAMPLE

Lab Sample ID: TW18A
LIMS ID: 11-25906
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 70.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/14/11	200.8	11/21/11	**7440-38-2**	**Arsenic**	0.3	**5.2**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-2(1-2)110111
DUPLICATE

Lab Sample ID: TW18A
LIMS ID: 11-25906
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

MATRIX DUPLICATE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Duplicate	RPD	Control Limit	Q
Arsenic	200.8	5.2	3.6	36.4%	+/- 20%	*

Reported in mg/kg-dry

*-Control Limit Not Met
L-RPD Invalid, Limit = Detection Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-2(1-2)110111
MATRIX SPIKE

Lab Sample ID: TW18A
LIMS ID: 11-25906
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

MATRIX SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Sample	Spike	Spike Added	% Recovery	Q
Arsenic	200.8	5.2	39.0	33.6	101%	

Reported in mg/kg-dry

N-Control Limit Not Met
H-% Recovery Not Applicable, Sample Concentration Too High
NA-Not Applicable, Analyte Not Spiked

Percent Recovery Limits: 75-125%

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-6(1-2)110111
SAMPLE

Lab Sample ID: TW18B
LIMS ID: 11-25907
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 72.2%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/14/11	200.8	11/21/11	**7440-38-2**	**Arsenic**	0.3	**4.0**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-4(1-2)110111
SAMPLE

Lab Sample ID: TW18C
LIMS ID: 11-25908
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 73.9%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/14/11	200.8	11/21/11	**7440-38-2**	**Arsenic**	0.3	**4.2**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: NDP-5(1-2)110111
SAMPLE

Lab Sample ID: TW18D
LIMS ID: 11-25909
Matrix: Soil
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond
02519.040.045
Date Sampled: 11/01/11
Date Received: 11/01/11

Percent Total Solids: 74.3%

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/14/11	200.8	11/21/11	**7440-38-2**	**Arsenic**	0.3	**5.8**	

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS **Sample ID: METHOD BLANK**

Lab Sample ID: TW18MB
LIMS ID: 11-25907
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond 02519.040.045
Date Sampled: NA
Date Received: NA

Percent Total Solids: NA

Prep Meth	Prep Date	Analysis Method	Analysis Date	CAS Number	Analyte	RL	mg/kg-dry	Q
3050B	11/14/11	200.8	11/21/11	7440-38-2	Arsenic	0.2	0.2	U

U-Analyte undetected at given RL
RL-Reporting Limit

ANALYTICAL RESOURCES INCORPORATED

INORGANICS ANALYSIS DATA SHEET
TOTAL METALS
Page 1 of 1

Sample ID: LAB CONTROL

Lab Sample ID: TW18LCS
LIMS ID: 11-25907
Matrix: Solid
Data Release Authorized:
Reported: 11/22/11

QC Report No: TW18-The Boeing Company
Project: Striker: North Detention Pond 02519.040.045
Date Sampled: NA
Date Received: NA

BLANK SPIKE QUALITY CONTROL REPORT

Analyte	Analysis Method	Spike Found	Spike Added	% Recovery	Q
Arsenic	200.8	26.2	25.0	105%	

Reported in mg/kg-dry

N-Control limit not met
NA-Not Applicable, Analyte Not Spiked
Control Limits: 80-120%