Spokane Co
Spokane Co Motorsport Park
TCP VCP

Limited Phase II Environmental Site Assessment

Spokane County Raceway
Airway Heights, Washington

for
Spokane County

March 29, 2011

GeoEngineers
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30 YEARS 2010

Limited Phase II Environmental Site Assessment

Spokane County Raceway
Airway Heights, Washington

File No. 0188-149-00

March 29, 2011

Prepared for:

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GeoEngineers

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1.0 INTRODUCTION

This report summarizes limited Phase II environmental site assessment (ESA) activities GeoEngineers conducted at the Spokane County Raceway Park (subject property) located in Airway Heights, Washington. ("Limited" in the context of this report refers to ESA activities focused on soil contamination and does not include consideration of prior impact to groundwater.) The approximate location of the subject property relative to surrounding properties is shown in Vicinity Map, Figure 1. The general layout of improvements at the subject property is shown in the Site Plan, Figure 2.

Spokane County (County) purchased the subject property in 2008. Phase I and Phase II ESA's have been conducted by others to assess potential soil and groundwater contamination from previous site activities. The Phase I ESA, conducted by USKH, identified several areas of recognized environmental concern (RECs) at the site (USKH, 2007). Laboratory analysis of groundwater samples collected by the County indicate groundwater beneath the subject property is impacted with trichloroethylene (TCE), but the source of this contamination has not been identified. Phase II ESA activities conducted by LFR Inc. (LFR) identified contaminated soil at the property near the shop (LFR, 2010), but did not identify contaminants in groundwater above the Washington State Department of Ecology's (Ecology) Model Toxics Control Act (MTCA) cleanup levels.

The County has chosen to work through Ecology's voluntary cleanup program (VCP) to achieve a "no further action" determination for the property. Following our review of the Phase I and II ESA reports referenced above, Ecology requested additional site characterization to assess RECs identified in the Phase I ESA report but not addressed during Phase II ESA activities (Ecology, 2010). The purpose of our limited Phase II ESA was to assess those RECs identified by Ecology as needing further characterization.

2.0 BACKGROUND

2.1 Site Description

The subject property is approximately 577 acres and located at 101 North Hayford Road in Airway Heights, Washington. The Kalispel Tribe's Northern Quest Casino borders the subject property to the south and east; the neighboring property to the west is an operating gravel pit. The property includes two racetracks (a road course and an oval course) and a drag strip. Structures include grandstands, concessions, restrooms, storage buildings, and track offices; these structures generally are located in the central portion of the subject property between the tracks. Historically, two residences (mobile homes) were located west of the drag strip.

A gravel public parking area with access from Hayford Road is located on the west side of the subject property. Undeveloped portions of the property, approximately 300 acres primarily located near the northwest and northeast portions of the property, are vegetated with native brush and grasses.

Water supply and wastewater systems were constructed at the subject property in the 1970s and have been maintained since that time. The water supply system includes three production wells (two active) and several storage tanks. One active well (identified as Well 1) is located west of the

drag strip. The other active well (Well 2) is located near the northwest corner of the main parking area. The inactive well is located northeast of Well 2 near the former location of a residence. The unused well has not been active since removal of the residence.

The wastewater system includes three sewer lines connected to a single vault that discharges to an evaporation lagoon located in the middle of the road course. Shallow groundwater beneath the site reportedly flows to the west under a hydraulic gradient of approximately 0.02 feet per foot (LFR, 2010).

2.2 Development History

Washington Motorsports Limited Partnership (WMLP) developed the subject property as an automobile racetrack in 1973. USKH identified land use prior to development as unimproved agricultural or range land. WMLP owned and operated the subject property as a racetrack from 1974 to 2007. Spokane County purchased the subject property in 2008 with the intent to revitalize the existing racetrack business or redevelop the land.

A 2-acre plot located on the north end of the property was sold to Inland Power & Light Company (Inland Power) for construction of a power substation in 1991. About 66 acres west of the subject property is owned by CPM Development Corporation (CPM). CPM purchased the land in 1992 and currently operates a hot-mix asphalt plant and aggregate pit for a CPM subsidiary company at the site.

2.3 Agency Assessment Requirements

As noted above, USKH conducted a Phase I ESA on the property in 2007 and LFR conducted a limited Phase II ESA on the subject property in 2009; the LFR limited Phase II was intended to assess soil and groundwater conditions at specific locations within boundaries of the subject property. However, in an April 23, 2010 letter to the County, Ecology requested further site assessment to RECs identified in the Phase I ESA report but not addressed in the 2009 Phase II ESA. The areas specified by Ecology requiring additional characterization and RECs observed by USKH in these areas included:

- The north end loop of the road course (location of car bodies, parts, and 55-gallon drums);
- The south end of the road course (location of chemical containers identified in the Phase I);
- The oval course (chemical container location);
- The main parking lot and entrance drive (soil staining);
- Between the road course and oval course (55-gallon drums and equipment); and
- The north and west side of auto shop (leaking used oil containers).

3.0 SCOPE OF SERVICES

The scope of services for our limited Phase II ESA was presented in our December 20, 2010 proposal. The purpose of our services was to conduct a limited Phase II ESA of the subject property in the areas listed in Section 2.3 above. Our services were completed in general accordance with

the Geotechnical Engineering Services Agreement, Contract Number P7080 between Spokane County and GeoEngineers dated December 28, 2010. To execute our scope of services, we:

1. Located and marked test pit locations at the property using aerial imagery and a Trimble sub-meter global positioning system (GPS).
2. Coordinated location of underground utilities using the state one-call system and a private utility locator, Advanced Underground Utility Locating, Incorporated.
3. Subcontracted NRC Environmental Services (NRC) to excavate 18 test pits to approximately 4 feet below ground surface (bgs).
4. Documented field observations during test pit excavation activities.
5. Field-screened soil excavated from test pits to assess for the possible presence or absence of contamination. Field-screening consisted of visual observations, headspace vapor monitoring with a photoionization detector (PID), and water sheen testing.
6. Collected soil samples from test pit excavations at various depths. Samples were collected from soil with field-screening evidence of contamination or from the base of the test pit.
7. Submitted select soil samples to Pace Analytical in Seattle, Washington (Pace) for chemical analysis. Pace analyzed soil samples for one or more of the following contaminants of potential concern (COPC):
    a. Gasoline-, diesel- and oil-range petroleum hydrocarbons (GRPH, DRPH, and ORPH, respectively) by Northwest Methods NWTPH-HCID or NWTPH-Gx (GRPH) and NWTPH-Dx (DRPH and ORPH);
    b. Volatile organic compounds (VOC) by US Environmental Protection Agency (EPA) Method 8260B;
    c. Polycyclic aromatic hydrocarbons (PAH) by EPA Method 8270M-SIM; and
    d. Metals (arsenic, cadmium, chromium, and lead) by EPA 6000 Series Methods.
8. Prepared this report summarizing the findings of site assessment activities.

4.0 ASSESSMENT ACTIVITIES

4.1 Test Pit Locations

We used photographs and site plans from the USKH Phase I ESA report to identify locations needing further assessment as specified in Ecology's April 23, 2010 letter. GeoEngineers marked and recorded 18 test pit locations using a Trimble, sub-meter GPS unit on January 24, 2011. Advanced Underground Utility Locating, Inc conducted a search for utilities located near the marked test pit locations and then NRC, under the direction of GeoEngineers, excavated the test pits on January 28, 2011. We excavated test pits TP-1 through TP-15 to address the areas identified in Ecology's letter; we excavated test pits TP-16 through TP-18 to address areas of drum or debris

storage identified in the Phase I ESA report but not specifically mentioned by Ecology. We excavated test pits TP-1 through TP-18 in the following locations:

- TP-1, TP-2, TP-3 and TP-15 – the area north, west, and south of the auto shop.
- TP-4 – the main parking lot.
- TP-5 through TP-11 – the north end loop of the road course.
- TP-12 and TP-13 - the south end of the road course.
- TP-14 – middle of the oval course.
- TP-16 - "open dump site" (USKH, 2007) south of the sewage lagoon.
- TP-17 – former location of 55-gallon drum, tires, and debris.
- TP-18 – former location of seven, 55-gallon drums.

Ecology indicated assessment of the area between the tracks was warranted in their April 2010 letter because USKH observed 55-gallon drums and equipment storage in this area during the Phase I ESA site reconnaissance. However, the area between the tracks primarily is paved with asphalt or covered by structures and we did not observe soil staining in the unpaved areas. Additionally, we interviewed Jim Black, facilities manager of the raceway, during our January 24, 2011 site visit and he indicated that the drums staged between the tracks are used as garbage receptacles and not to store chemicals. Because of this information and our observations, we did not excavate test pits between the tracks.

Approximate locations of test pits TP-1 through TP-18 are shown in Figure 2.

4.2 Test Pit Excavation and Sampling

We generally excavated test pits to 4 feet bgs; however, test pits TP-4 and TP-14 were terminated at refusal on weathered basalt rock at about 2 ½ and 3 feet, respectively. We encountered soil generally consisting of brown silt or sand with gravel and cobbles. We observed groundwater in test pits TP-14 and TP-16 at about 2 and 4 feet bgs, respectively. Our test pit logs for TP-1 through TP-18 are provided in Appendix A.

GeoEngineers field screened soil samples collected from each test pit at various depths. We did not observe stained soil in the areas assessed and we did not detect headspace vapors in samples collected from the test pits. With the exception of test pit TP-1, we did not observe water sheens from samples collected from the test pits. We observed a slight sheen from shallow soil (less than six inches bgs) in test pit TP-1; we did not observe sheens from samples collected below 6 inches bgs in test pit TP-1. Results of field screening are included on the test pit logs provided in Appendix A.

GeoEngineers collected and submitted one soil sample from the bottom of each test pit for chemical analysis, except for test pit TP-1. We collected two soil samples from test pit TP-1, one from about ½ and one from about 1 foot bgs, and submitted them for chemical analysis. GeoEngineers shipped the soil samples in coolers packed with ice and under chain-of-custody protocols to Pace for analysis.

Pace analyzed the samples collected from test pits TP-2 through TP-18 for total petroleum hydrocarbon identification using Northwest Method NWTPH-HCID. Pace analyzed sample TP-1(0.5) for GRPH using Northwest Method NWTPH-GX and DRPH and ORPH by Northwest Method NWTPH-Dx, PAHs by EPA 8270M-SIM, and metals (arsenic, cadmium, chromium and lead) by EPA 6000 Series Methods.

Pace could not analyze sample TP-1(0.5) for VOCs because of damage to the sample container during shipping; therefore, Pace analyzed sample TP-1(1), collected at about 1 foot bgs, for VOCs by EPA Method 8260B. Field procedures for sample collection are provided in Appendix A.

4.3 Chemical Analytical Results

Pace did not detect GRPH, DRPH, or ORPH at concentrations greater than their respective method reporting limits (MRL) in samples collected from test pits TP-2 through TP-18. Paces detected DRPH, ORPH, PAHs, cadmium, chromium, and lead at concentrations less than Model Toxics Control Act (MTCA) Method A unrestricted land use cleanup levels in sample TP-1(0.5). Pace did not detect of GRPH or arsenic at concentrations greater than their respective MRLs in sample TP-1(0.5). Pace also did not detect VOCs at concentrations greater than the MRL in sample TP-1(1). Chemical analytical results for GRPH, DRPH, ORPH, VOC, and metals analyses are summarized in Table 1; results of PAH analysis are summarized in Table 2. Laboratory reports are provided in Appendix B.

5.0 CONCLUSIONS

GeoEngineers conducted a limited Phase II ESA at the subject property in January 2011. We excavated 18 shallow test pits to assess RECs identified by USKH during a previous Phase I ESA and identified by Ecology as requiring additional characterization. We used photographs and site plans from the USKH Phase I ESA report to identify locations needing further assessment because many of the features, including drums, chemical containers, and car parts, had been removed from the subject property.

GeoEngineers field-screened soil samples collected from various depths in each test pit. With the exception of test pit TP-1, field screening did not indicate contamination was present in the areas assessed or subsurface soil. Chemical analytical results indicate COPC either were not detected or were detected at concentrations less than MTCA Method A unrestricted land use cleanup levels in soil samples collected from the test pits.

Based on results of previous ESAs conducted at the subject property and our recent field screening and chemical analytical results, it is our opinion that additional shallow soil assessment is not warranted at this time. We recommend that the County require their subcontracted operator of the Raceway to use best management practices with respect to chemical storage and waste disposal. We also recommend the County make periodic inspections of the subject property to verify the operator is not allowing wastes to accumulate or be improperly stored or disposed on site.

6.0 LIMITATIONS

We have prepared this report for the exclusive use of Spokane County and their authorized agents for the Spokane Raceway.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. The conclusions and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty or other conditions, express or implied, should be understood.

Any electronic form, facsimile or hard copy of the original document (email, text, table and/or figure), if provided, and any attachments should be considered a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

Please refer to "Report Limitations and Guidelines for Use", Appendix C for additional information pertaining to use of this report.

7.0 REFERENCES

Department of Ecology, "Opinion Letter," April 23, 2010.

LFR, "Phase II Environmental Site Assessment: Spokane County Raceway," January 22, 2010.

USKH, "Phase I Environmental Site Assessment - Washington Motorsports Limited Partnership: Spokane Raceway Park," December 21, 2007.

Table 1

Soil Chemical Analytical Results - Petroleum Hydrocarbons, Metals, and VOCs[1]

Spokane Raceway Park

Airway Heights, Washington

Sample ID	Depth (feet bgs)	Date Collected	Petroleum Range Hydrocarbons[2] (mg/kg)			VOCs[3]	Metals[4] (mg/kg)			
			Gasoline	Diesel	Motor Oil	(µg/kg)	Arsenic	Cadmium	Chromium	Lead
TP-1(0.5)	1/2	1/28/2011	<5.2[5]	67.0[6]	364[6]	NT	<9.6	1.1	10.8	37.0
TP-1(1)	1	1/28/2011	NT	NT	NT	ND	NT	NT	NT	NT
TP-2(4)	4	1/28/2011	<20.3	<50.7	<101	NT	NT	NT	NT	NT
TP-3(4)	4	1/28/2011	<21.0	<52.5	<105	NT	NT	NT	NT	NT
TP-4(2.5)	2 1/2	1/28/2011	<22.3	<55.8	<112	NT	NT	NT	NT	NT
TP-5(4)	4	1/28/2011	<21.2	<52.9	<106	NT	NT	NT	NT	NT
TP-6(4)	4	1/28/2011	<21.1	<52.8	<106	NT	NT	NT	NT	NT
TP-7(4)	4	1/28/2011	<22.8	<57.0	<114	NT	NT	NT	NT	NT
TP-8(4)	4	1/28/2011	<21.7	<54.3	<109	NT	NT	NT	NT	NT
TP-9(4)	4	1/28/2011	<20.8	<51.9	<104	NT	NT	NT	NT	NT
TP-10(4)	4	1/28/2011	<20.4	<51.1	<102	NT	NT	NT	NT	NT
TP-11(4)	4	1/28/2011	<22.6	<56.5	<113	NT	NT	NT	NT	NT
TP-12(4)	4	1/28/2011	<22.5	<56.3	<113	NT	NT	NT	NT	NT
TP-13(4)	4	1/28/2011	<20.3	<50.8	<102	NT	NT	NT	NT	NT
TP-14(2)	2	1/28/2011	<19.9	<49.7	<99.5	NT	NT	NT	NT	NT
TP-15(4)	4	1/28/2011	<20.6	<51.5	<103	NT	NT	NT	NT	NT
TP-16(4)	4	1/28/2011	<21.5	<53.8	<108	NT	NT	NT	NT	NT
TP-17(4)	4	1/28/2011	<21.9	<54.7	<109	NT	NT	NT	NT	NT
TP-18(4)	4	1/28/2011	<20.0	<49.9	<99.8	NT	NT	NT	NT	NT
MTCA Method A CUL[7]			100/30[8]	2,000	2,000	Varies	20	2	2,000/19[9]	250

Notes:

[1]Samples analyzed at Pace Analytical in Seattle, Washington.

[2]Petroleum hydrocarbons analyzed using Northwest Method NWTPH-HCID.

[3]Volatile organic compounds (VOCs) analyzed using EPA Method 8260B.

[4]Metals analyzed using EPA 6000 Series Methods.

[5]Gasoline-range petroleum hydrocarbons analyzed using Northwest Method NWTPH-Gx.

[6]Diesel- and motor oil-range petroleum hydrocarbons analyzed using Northwest Method NWTPH-Dx.

[7]Model Toxics Control Act (MTCA) Method A unrestricted land use cleanup level (CUL).

[8]Gasoline-range petroleum hydrocarbon CUL = 30 mg/kg if benzene is present and 100 mg/kg if benzene is not detected.

[9]Chromium (III) CUL = 2,000 mg/kg and Chromium (VI) CUL = 19 mg/kg .

< 5.2 Analyte was not detected at a concentration greater than the method reporting limit indicated,

bgs = below ground surface; mg/kg = milligrams per kilogram; µg/kg = micrograms per kilogram; NT = Not Tested; ND = Not Detected.

C:\Documents and Settings\mwhitmarsh\My Documents\SharePoint Drafts\[Phase II Tables.xlsx]Table 1

Table 2

Soil Chemical Analytical Results - PAHs[1]

Spokane Raceway Park

Airway Heights, Washington

Sample ID	TP-1(0.5)	MTCA Method A CUL[2]
Depth (feet bgs)	0.5	
Date Collected	1/28/2011	
PAHs (µg/kg)		
Acenapthene	<7.4	NE
Acenaphthylene	9.3	NE
Anthracene	<7.4	NE
Benzo(g,h,i)perylene	86.5	NE
Fluoranthene	11.1	NE
Fluorene	<7.4	NE
1-Methylnaphthalene	10.0	NE
2-Methylnaphthalene	29.9	NE
Naphthalene	15.9	NE
Total Naphthalenes	55.8	5000[3]
Phenanthrene	11.4	NE
Pyrene	73.3	NE
Carcinogenic PAHs (µg/kg)		
Benzo(a)anthracene	12.3	NE
Benzo(a)pyrene	36.0	100
Benzo(b)fluoranthene	80.9	NE
Benzo(k)fluoranthene	23.9	NE
Chrysene	34.3	NE
Dibenz(a,h)anthracene	<7.4	NE
Indeno(1,2,3-cd)pyrene	43.4	NE
TEQ[4]	52.4	100

Notes:

[1]Polycylic aromatic hydrocarbons (PAHs) analyzed at Pace Analytical in Seattle, Washington using EPA Method 8270 SIM.

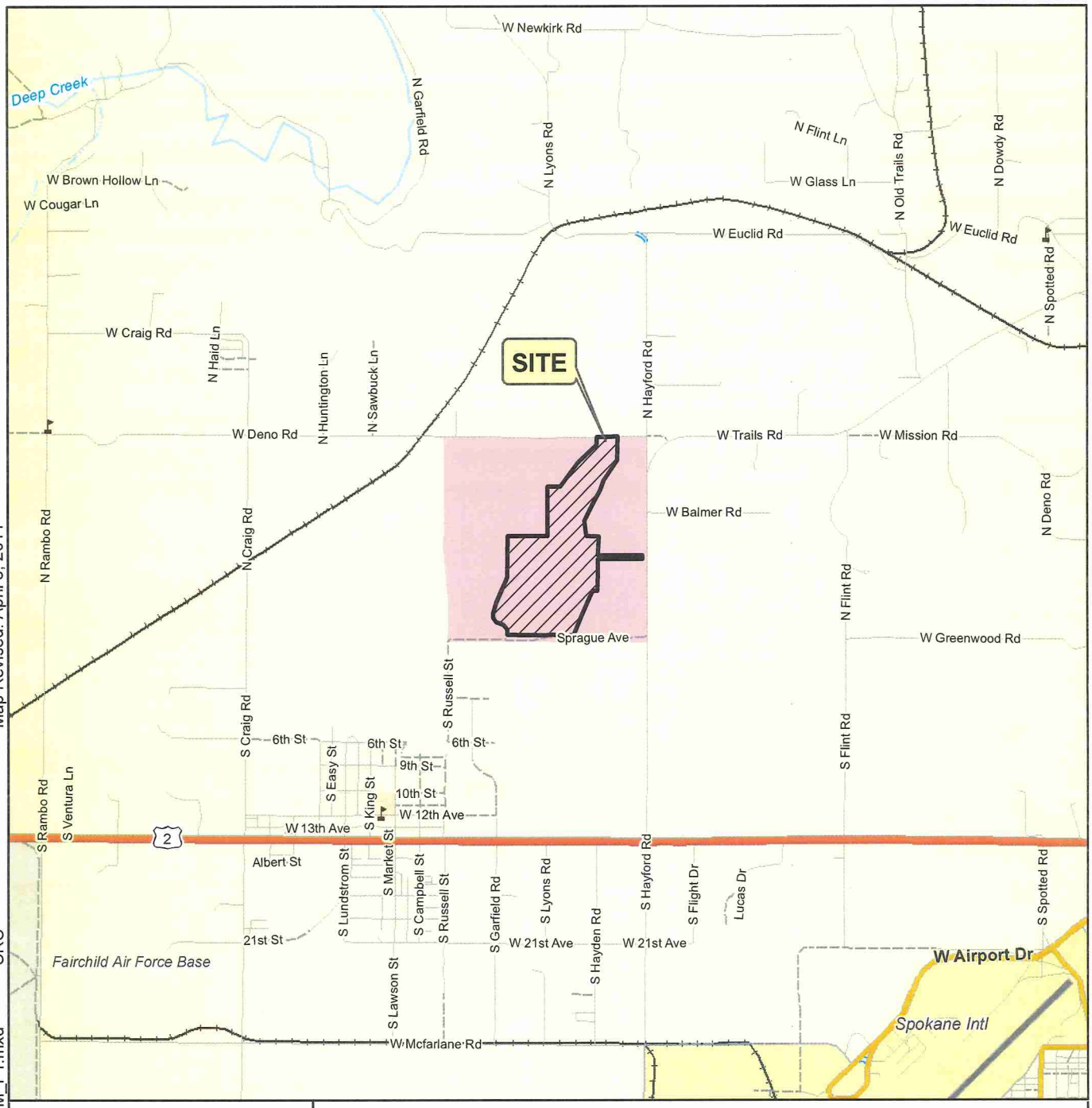
[2]Model Toxics Control Act (MTCA) Method A unrestricted land use cleanup level (CUL).

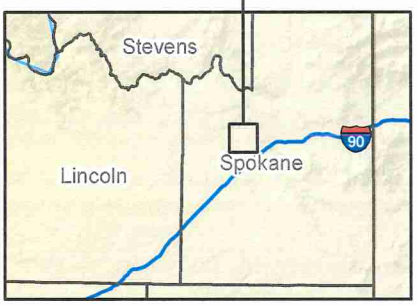
[3]CUL for total naphthalenes (1-methylnaphthalene, 2-methylnaphthalene, and naphthalene) = 5,000 µg/kg.

[4]Toxic equivalency (TEQ) for carcinogenic PAHs calculated using toxicity equivalent factors found in WAC 173-340-900 Table 708-2.

bgs = below ground surface; µg/kg = micrograms per kilogram; NE = not established.

C:\Documents and Settings\mwhitmarsh\My Documents\SharePoint Drafts\[Phase II Tables.xlsx]Table 2





N
W E
S

4,000 0 4,000

Feet

Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.
Data Sources: ESRI Data & Maps, Street Maps 2008.
Projection: NAD 1983, UTM Zone 11 North.

Vicinity Map

Spokane Raceway
Airway Heights, Washington

GeoEngineers

Figure 1

Map Revised: April 8, 2011 CRC

Office: Spokane Path: P:\0\0188149\00\GIS\0188149900_VM_F1.mxd

Office: SPOK Path: P:\0\0188149\00\GIS\018814900_TestPitLocs.mxd

Map Revised: March 18, 2011

TP-1

Test Pit Number and Approximate Location

350 0 350

Feet

N

W E

S

Reference: I-cubed imagery from ESRI Online Data Resources.

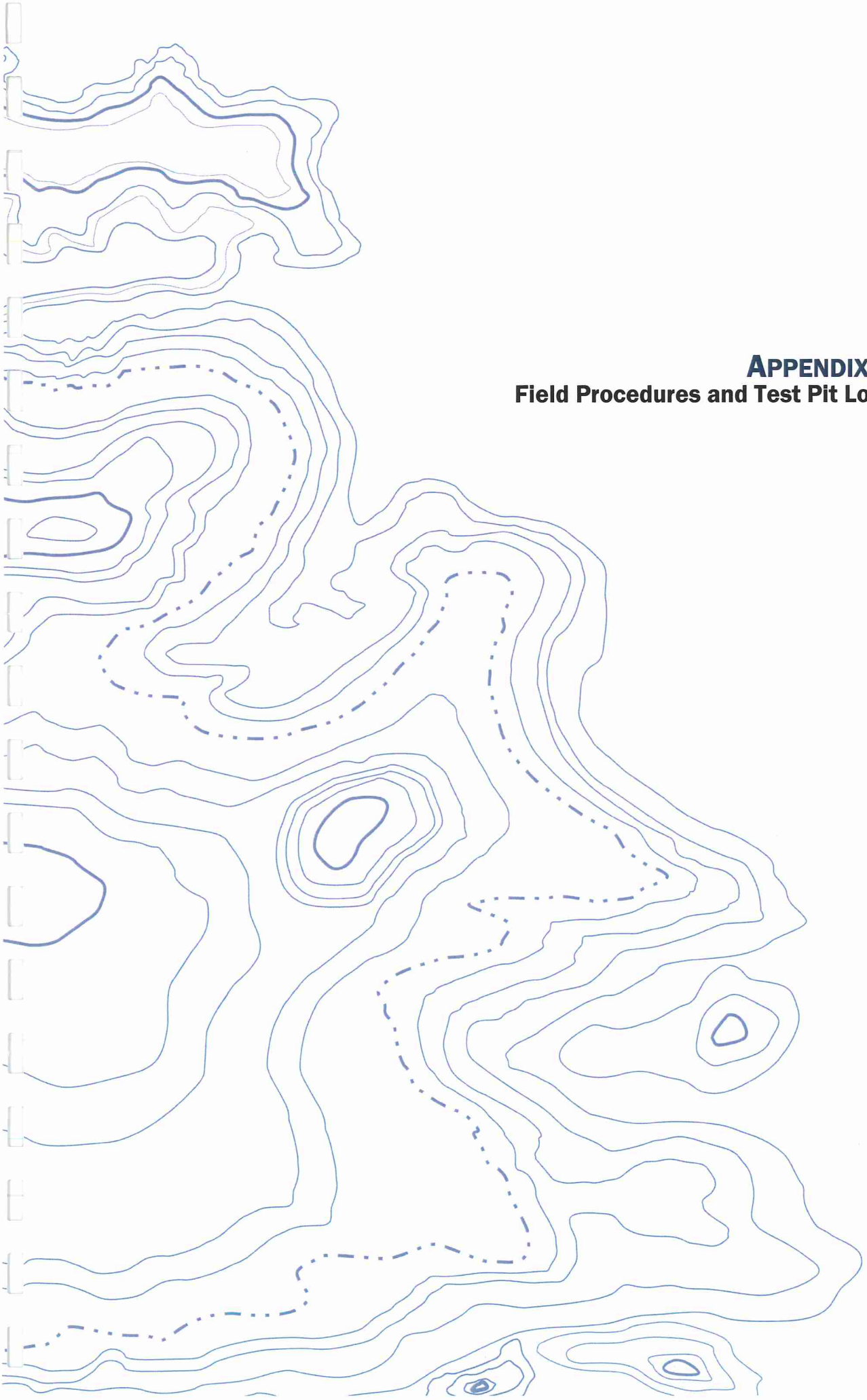
Notes:
1. The locations of all features shown are approximate.
2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Site Plan

Spokane Raceway
Airway Heights, Washington

GeoEngineers

Figure 2



APPENDIX A
Field Procedures and Test Pit Logs

APPENDIX A
FIELD METHODS

Soil Sample Collection

Characterization soil samples were collected from test pits using clean nitrile gloves. Samples were placed in laboratory-supplied jars and filled to minimize headspace. Samples were stored in a chilled cooler until delivery to the analytical laboratory. Environmental Protection Agency (EPA) 5035 sampling methods were used to collect samples for volatile organic compounds (VOCs) analysis using EPA Method 8260B.

Subsurface conditions at Spokane Raceway Park were explored at select locations to assess contamination presence/absence and extent on January 28, 2011 by excavating 18 test pits (TP-1 to TP-18) at the approximate locations shown on Figure 2. The test pits each were excavated to depths in the range of about 2½ to 4 feet below existing site grade using a backhoe with operator under a subcontracting agreement to GeoEngineers, Inc. Test pit locations were established in the field by pacing or taping from existing site features. Consequently, exploration locations should be considered accurate to the degree implied by the method used.

The test pit excavation operations were continuously monitored by an engineer from our firm who examined and classified the soil encountered, obtained soil samples and maintained a continuous log of exploration. Soil encountered in the test pits was classified in general accordance with ASTM D 2488 and the classification chart listed in Key to Exploration Logs, Figure A-1. Logs of the test pits are presented in Logs of Test Pits, Figures A-1 through A-19. The logs are based on interpretation of the field data and indicate the depth at which subsurface materials or their characteristics change, although these changes might actually be gradual.

Field Screening of Soil Samples

GeoEngineers' field representative performed field-screening tests on soil samples obtained from the test pits. Field screening results were used as a general guideline to assess areas of possible petroleum-related contamination. The field screening methods used include: 1) visual screening; 2) water-sheen screening; and 3) headspace-vapor screening using a MiniRae Photo Ionization Detector (PID) calibrated to isobutylene.

Visual screening consisted of observing soil for stains indicative of metal- or petroleum-related contamination. Water-sheen screening involved placing soil in a pan of water and observing the water surface for signs of sheen. Sheen screening may detect both volatile and nonvolatile petroleum hydrocarbons. Sheens observed are classified as follows:

No Sheen (NS)	No visible sheen on the water surface.
Slight Sheen (SS)	Light, colorless, dull sheen; spread is irregular, not rapid; sheen dissipates rapidly. Natural organic matter in the soil may produce a slight sheen.
Moderate Sheen (MS)	Light to heavy sheen; may have some color/iridescence; spread is irregular to flowing, may be rapid; few remaining areas of no sheen on the water surface.

Heavy Sheen (HS)	Heavy sheen with color/iridescence; spread is rapid; entire water surface may be covered with sheen.

Headspace vapor screening involved placing a soil sample in a plastic sample bag. Air was captured in the bag, and the bag was shaken to expose the soil to the air trapped in the bag. Headspace vapor screening targeted volatile petroleum hydrocarbon compounds. In this application, the PID measured concentration of organic vapors ionizable by a 10.6 electron volt (ev) lamp in the range between 1.0 and 2,000 parts per million (ppm), with a resolution of +/- 2 ppm.

Field screening results can be site specific. The effectiveness of field screening can vary with temperature, moisture content, organic content, soil type and type and age of contaminant. The presence or absence of a sheen or headspace vapors did not necessarily indicate the presence or absence of petroleum hydrocarbons.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	CC	Cement Concrete
	AC	Asphalt Concrete
	CR	Crushed Rock/ Quarry Spalls
	TS	Topsoil/ Forest Duff/Sod

- Measured groundwater level in exploration, well, or piezometer
- Groundwater observed at time of exploration
- Perched water observed at time of exploration
- Measured free product in well or piezometer

Graphic Log Contact

- Distinct contact between soil strata or geologic units
- Approximate location of soil strata change within a geologic soil unit

Material Description Contact

- Distinct contact between soil strata or geologic units
- Approximate location of soil strata change within a geologic soil unit

Sampler Symbol Descriptions

- 2.4-inch I.D. split barrel
- Standard Penetration Test (SPT)
- Shelby tube
- Piston
- Direct-Push
- Bulk or grab

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

Laboratory / Field Tests

%F	Percent fines
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
OC	Organic content
PM	Permeability or hydraulic conductivity
PP	Pocket penetrometer
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
NT	Not Tested

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

GeoEngineers

FIGURE A-1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
		X	1 CA		GP		Gray coarse gravel with sand and trace silt (medium dense, moist) (fill)	SS	PID = <10	TP-1 (0.5)
					ML		Brown silt with sand and gravel (soft, moist)			
1		X	2 CA					NS	PID = <10	TP-1 (1)
					SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)			
2										
3								NS	PID = <10	
4										

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 1½ feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-1

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-2
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	0				GP		Gray coarse gravel with sand, trace silt and organic matter (roots) (soft, moist) (fill)	NS	PID = <10	
					ML		Brown silt with gravel and trace organic matter (roots) (soft, moist)			
	1							NS	PID = <10	
	2							NS	PID = <10	
					SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)			
	3									
		X	CA					NS	PID = <10	TP-2 (4)
	4									

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 2½ feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-2

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-3
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	0				GP		Gray coarse gravel with sand, trace silt, and organic matter (roots) (medium dense, moist) (fill)	NS	PID = <10	
					ML		Brown silt with sand and occasional gravel, cobbles and organic matter (roots) (soft, moist)	NS	PID = <10	
	1									
	2									
	3				SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)	NS	PID = <10	TP-3 (4)
	4		CA							

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 3 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-3

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-4
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 2.5

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				SM		Brown fine to coarse silty sand with gravel, cobbles, occasional boulders and organic matter (roots) (medium dense, moist)	NS	PID = <10	
	2	X	1 CA					NS	PID = <10	TP-4 (2.5)

Test pit completed at approximately 2½ feet below ground surface (bgs).
No groundwater seepage observed.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-4

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-5
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				ML		Brown silt with sand, gravel, cobbles and organic matter (roots) (soft, moist)	NS	PID = <10	
	2				SP		Brown fine to medium sand with gravel, cobbles and trace silt (medium dense, moist)			
	3									
	4	X	1 CA					NS	PID = <10	TP-5 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Moderate caving observed at approximately 2 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-5

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-6
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet) / Depth (feet)	SAMPLE: Testing Sample / Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
0			ML		Brown silt with sand, gravel, cobbles, and organic matter (roots) (soft, moist)	NS	PID = <10	
1								
2						NS	PID = <10	
3	CA		SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)	NS	PID = <10	TP-6 (4)
4								

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 3 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-6

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-7
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.5

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				ML		Brown silt with sand, gravel and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
	2							NS	PID = <10	
	3				SP-SM		Brown silty fine to medium sand with gravel and cobbles (medium dense, moist)			
	4		1 CA					NS	PID = <10	TP-7 (4)

Test pit completed at 4½ feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at 2½ feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-7

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-8
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet) / Depth (feet)	SAMPLE: Testing Sample / Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
0			ML		Brown silt with sand, gravel, cobbles, and organic matter (roots) (soft, moist)	NS	PID = <10	
1						NS	PID = <10	
2								
3						NS	PID = <10	
4	CA							TP-8 (4)

Test pit completed approximately 4 feet below ground surface (bgs)
No groundwater seepage observed.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-8

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-9
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet) / Depth (feet)	SAMPLE: Testing Sample / Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
0			ML		Brown silt with sand, gravel and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
1								
						NS	PID = <10	
2			SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)			
3								
	1 CA					NS	PID = <10	TP-9 (4)
4								

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 2 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Spokane: Date:3/18/11 Path:W:\SPOKANE\PROJECTS\0\0168149\GINT\0168149000 TEST PITS.GPJ DBTemplate\LibTemplate\GEOENGINEERS6.GDT\GEIb_TESTPIT_1P_ENV

Log of Test Pit TP-9

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-10
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				ML		Brown silt with fine to medium sand and gravel, cobbles and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
								NS	PID = <10	
	2							NS	PID = <10	
	3				SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)			
	4	X	CA					NS	PID = <10	TP-10 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 3 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-10

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-11
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet) / Depth (feet)	SAMPLE: Testing Sample / Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
0			ML		Brown silt with fine to medium sand with gravel, cobbles, boulders and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
1								
2						NS	PID = <10	
3								
4	1 CA					NS	PID = <10	TP-11 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-11

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-12
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name / Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
					GP		Gray coarse gravel (medium dense, moist) (fill)			
					ML		Brown silt with gravel and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
	1									
	2				SM		Brown silty fine to medium sand with cobbles (medium dense, moist)	NS	PID = <10	
	3									
	4	X	CA					NS	PID = <10	TP-12 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 2 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-12

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-13
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	0				SM		Brown silty fine to medium sand with gravel and occasional organic matter (roots) (medium dense, moist)	NS	PID = <10	
	1				ML		Brown silt with gravel and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
	2				SP		Brown fine to medium sand with cobbles and trace silt (medium dense, moist)			
	3	X	1 CA					NS	PID = <10	TP-13 (4)
	4									

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Minor caving observed at approximately 2 feet bgs.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-13

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-14
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 3.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				GW-GM		Gray fine to coarse gravel with silt, sand and occasional organic matter (roots) (medium dense, moist)	NS	PID = <10	
	2				ML	▽	Brown silt with gravel (soft, moist)	NS	PID = <10	
	3	X	CA				Grades to wet	NS	PID = <10	TP-14 (2)

Test pit completed at approximately 3 feet below ground surface (bgs);
Refusal on fractured basalt.
Rapid groundwater seepage observed at approximately 2 feet bgs.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-14

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-15
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet) / Depth (feet)	SAMPLE: Testing Sample / Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
0			ML		Brown silt with sand, gravel and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
1			SM		Brown silty fine to medium sand with gravel and cobbles (medium dense, moist)	NS	PID = <10	
2								
3						NS	PID = <10	TP-15 (4)
4	CA							

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-15

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-16
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				ML		Brown silt with sand, gravel, cobbles and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
	2							NS	PID = <10	
	3									
	4		CA			▽	Grades to wet	NS	PID = <10	TP-16 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
Rapid groundwater seepage observed at approximately 4 feet bgs.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-16

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-17
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				SM		Brown silty sand with gravel, cobbles and occasional organic matter (roots) (medium dense, moist)	NS	PID = <10	
	2							NS	PID = <10	
	3									
	4	X	CA					NS	PID = <10	TP-17 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
No caving observed.

Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-17

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-18
Sheet 1 of 1

Date Excavated: 1/28/2011 Logged By: SHL

Equipment: Backhoe Total Depth (ft) 4.0

Elevation (feet)	Depth (feet)	SAMPLE: Testing Sample	SAMPLE: Sample Name Testing	Graphic Log	Group Classification	Encountered Water	MATERIAL DESCRIPTION	Sheen	Headspace Vapor	Notes
	1				ML		Brown silt with sand, gravel, cobbles and occasional organic matter (roots) (soft, moist)	NS	PID = <10	
	2							NS	PID = <10	
	3				SP-SM		Brown fine to medium sand with silt, gravel and cobbles (medium dense, moist)			
	4	X	1 CA					NS	PID = <10	TP-18 (4)

Test pit completed at approximately 4 feet below ground surface (bgs).
No groundwater seepage observed.
Moderate caving observed at approximately 3 feet bgs.

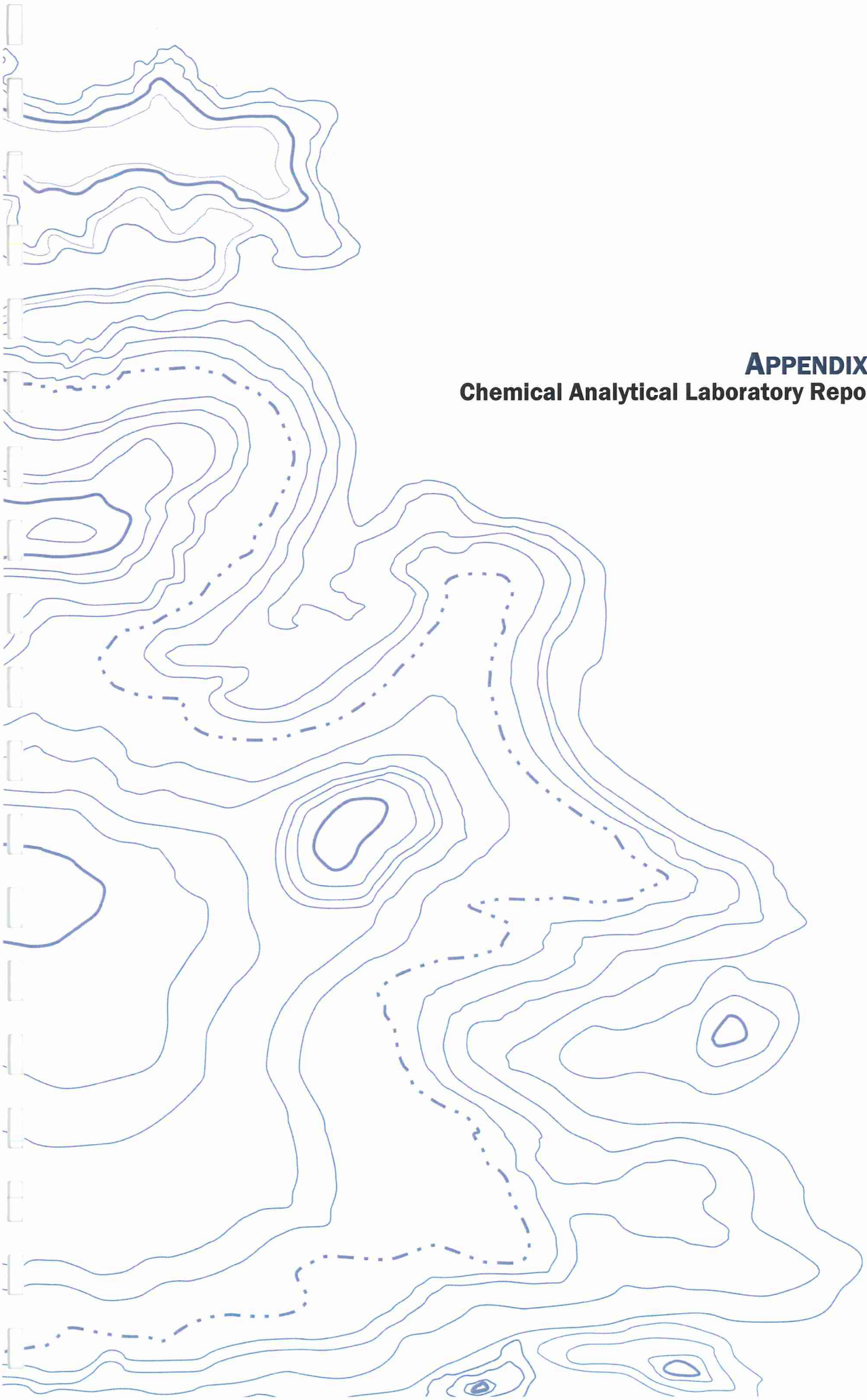
Notes: Please see Figure A-1 for explanation of symbols.
The depths on the test pit logs are based on an average of measurements across the test pit and should be considered accurate to 0.5 foot.

Log of Test Pit TP-18

GeoEngineers

Project: Spokane Raceway Park
Project Location: Airway Heights, Washington
Project Number: 0188-149-00

Figure A-19
Sheet 1 of 1



APPENDIX B
Chemical Analytical Laboratory Reports

APPENDIX B
CHEMICAL ANALYTICAL DATA

Samples

Chain-of-custody procedures were followed during the transport of the field samples to Pace Analytical. Samples were held in cold storage pending extraction and/or analysis. The analytical results and quality control records are included in this appendix.

Analytical Data Review

The laboratory maintains an internal quality assurance/quality control (QA/QC) program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries and blank spike duplicate recoveries to evaluate the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report. Any data quality exceptions documented by the accredited laboratory were reviewed by GeoEngineers and are addressed in the data quality exception section of this appendix.

Analytical Data Review Summary

We reviewed the laboratory internal quality assurance/quality control (QA/QC) in the context of data quality goals. The only data quality exception noted by the laboratory subsequently was addressed by the laboratory by re-analyzing the sample (TP-1 [0.5]). Based on our review, in our opinion, the quality of the analytical data is acceptable for the intended use.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

February 25, 2011

John Haney
GeoEngineers, Inc - WA
523 East Second Ave.
Spokane, WA 99202

RE: Project: Spokane Raceway
Pace Project No.: 256426

Dear John Haney:
Enclosed are the analytical results for sample(s) received by the laboratory on January 29, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Revised Report: Due to matrix interference, MTCA A limits could not be met for cadmium with EPA 6010. Therefore, sample TP-1 (0.5) re-analyzed by EPA method 6020 per client request.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andy Brownfield

Andy Brownfield

andy.brownfield@pacelabs.com
Project Manager

Enclosures

cc: Scott Lathen, GeoEngineers, Inc

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
940 South Harney
Seattle, WA 98108
(206)767-5060

CERTIFICATIONS

Project: Spokane Raceway
Pace Project No.: 256426

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970
A2LA cert#

Washington Certification IDs

940 South Harney Street, Seattle, WA 98108
Alaska CS Certification #: UST-025
Alaska Drinking Water VOC Certification #: WA01230
Alaska Drinking Water Micro Certification #: WA01230
California Certification #: 01153CA
Florida/NELAP Certification #: E87617
Oregon Certification #: WA200007
Washington Certification #: C1229

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940 South Harney
Seattle, WA 98108
(206)767-5060

SAMPLE ANALYTE COUNT

Project: Spokane Raceway
Pace Project No.: 256426

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
256426001	**TP-18 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426002	**TP-16 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426003	**TP-7 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426004	**TP-5 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426005	**TP-6 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426006	**TP-8 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426007	**TP-9 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426008	**TP-10 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426009	**TP-11 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426010	**TP-17 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426011	**TP-15 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426012	**TP-3 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426013	**TP-2 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426014	**TP-1 (0.5)**	NWTPH-Dx	AY1	4	PASI-S
		NWTPH-Gx	CC	3	PASI-S
		EPA 6010	BGA	3	PASI-S
		EPA 6020	TL1	1	PASI-M
		EPA 8270 by SIM	ERB	20	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426015	**TP-1 (1)**	EPA 8260	LPM	73	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426016	**TP-12 (4)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426017	**TP-13 (4)**	NWTPH-HCID	AY1	6	PASI-S

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SAMPLE ANALYTE COUNT

Project: Spokane Raceway
Pace Project No.: 256426

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		ASTM D2974-87	KJ1	1	PASI-S
256426018	**TP-14 (2)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S
256426019	**TP-4 (2.5)**	NWTPH-HCID	AY1	6	PASI-S
		ASTM D2974-87	KJ1	1	PASI-S

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **NWTPH-Dx**
Description: NWTPH-Dx GCS SG
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for NWTPH-Dx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **NWTPH-HCID**
Description: NWTPH HCID
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
17 samples were analyzed for NWTPH-HCID. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3550B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **NWTPH-Gx**
Description: NWTPH-Gx GCV
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for NWTPH-Gx. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with NWTPH-Gx with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **EPA 6010**
Description: 6010 MET ICP
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for EPA 6010. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MPRP/1993

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 256426014

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 56879)
  - Arsenic
  - Chromium
  - Lead
- MSD (Lab ID: 56880)
  - Arsenic
  - Chromium
  - Lead

R1: RPD value was outside control limits.

- MSD (Lab ID: 56880)
  - Lead

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **EPA 6020**
Description: 6020 MET ICPMS
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for EPA 6020. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **EPA 8270 by SIM**
Description: 8270 MSSV PAH by SIM
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for EPA 8270 by SIM. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3546 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

General Information:
1 sample was analyzed for EPA 8260. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/3800

L3: Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

- LCS (Lab ID: 56732)
  - 2-Butanone (MEK)
  - 2-Hexanone
  - Acetone
  - cis-1,3-Dichloropropene
- LCSD (Lab ID: 56793)
  - 2-Hexanone
  - Acetone
  - Naphthalene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/3800

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

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PROJECT NARRATIVE

Project: Spokane Raceway
Pace Project No.: 256426

Method: **EPA 8260**
Description: 8260/5035A Volatile Organics
Client: GeoEngineers, Inc - WA
Date: February 25, 2011

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-18 (4) **Lab ID: 256426001** Collected: 01/28/11 15:45 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	49.9	1	02/02/11 10:40	02/02/11 21:30		
Gasoline Range	ND	mg/kg	20.0	1	02/02/11 10:40	02/02/11 21:30		
Motor Oil Range	ND	mg/kg	99.8	1	02/02/11 10:40	02/02/11 21:30	64742-65-0	
4-Bromofluorobenzene (S)	98	%	50-150	1	02/02/11 10:40	02/02/11 21:30	460-00-4	
2-Fluorobiphenyl (S)	85	%	50-150	1	02/02/11 10:40	02/02/11 21:30	321-60-8	
o-Terphenyl (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 21:30	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.4**	%	0.10	1		02/07/11 16:57		

Sample: TP-16 (4) **Lab ID: 256426002** Collected: 01/28/11 15:23 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	53.8	1	02/02/11 10:40	02/02/11 22:03		
Gasoline Range	ND	mg/kg	21.5	1	02/02/11 10:40	02/02/11 22:03		
Motor Oil Range	ND	mg/kg	108	1	02/02/11 10:40	02/02/11 22:03	64742-65-0	
4-Bromofluorobenzene (S)	97	%	50-150	1	02/02/11 10:40	02/02/11 22:03	460-00-4	
2-Fluorobiphenyl (S)	86	%	50-150	1	02/02/11 10:40	02/02/11 22:03	321-60-8	
o-Terphenyl (S)	98	%	50-150	1	02/02/11 10:40	02/02/11 22:03	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.7**	%	0.10	1		02/07/11 16:57		

Sample: TP-7 (4) **Lab ID: 256426003** Collected: 01/28/11 14:51 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	57.0	1	02/02/11 10:40	02/02/11 22:20		
Gasoline Range	ND	mg/kg	22.8	1	02/02/11 10:40	02/02/11 22:20		
Motor Oil Range	ND	mg/kg	114	1	02/02/11 10:40	02/02/11 22:20	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 22:20	460-00-4	
2-Fluorobiphenyl (S)	87	%	50-150	1	02/02/11 10:40	02/02/11 22:20	321-60-8	
o-Terphenyl (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 22:20	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.1**	%	0.10	1		02/07/11 16:58		

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-5 (4) **Lab ID: 256426004** Collected: 01/28/11 14:35 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	52.9	1	02/02/11 10:40	02/02/11 22:37		
Gasoline Range	ND	mg/kg	21.2	1	02/02/11 10:40	02/02/11 22:37		
Motor Oil Range	ND	mg/kg	106	1	02/02/11 10:40	02/02/11 22:37	64742-65-0	
4-Bromofluorobenzene (S)	101	%	50-150	1	02/02/11 10:40	02/02/11 22:37	460-00-4	
2-Fluorobiphenyl (S)	87	%	50-150	1	02/02/11 10:40	02/02/11 22:37	321-60-8	
o-Terphenyl (S)	103	%	50-150	1	02/02/11 10:40	02/02/11 22:37	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.3**	%	0.10	1		02/07/11 16:59		

Sample: TP-6 (4) **Lab ID: 256426005** Collected: 01/28/11 14:23 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	52.8	1	02/02/11 10:40	02/02/11 22:53		
Gasoline Range	ND	mg/kg	21.1	1	02/02/11 10:40	02/02/11 22:53		
Motor Oil Range	ND	mg/kg	106	1	02/02/11 10:40	02/02/11 22:53	64742-65-0	
4-Bromofluorobenzene (S)	101	%	50-150	1	02/02/11 10:40	02/02/11 22:53	460-00-4	
2-Fluorobiphenyl (S)	84	%	50-150	1	02/02/11 10:40	02/02/11 22:53	321-60-8	
o-Terphenyl (S)	103	%	50-150	1	02/02/11 10:40	02/02/11 22:53	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.4**	%	0.10	1		02/07/11 16:59		

Sample: TP-8 (4) **Lab ID: 256426006** Collected: 01/28/11 13:30 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	54.3	1	02/02/11 10:40	02/02/11 23:10		
Gasoline Range	ND	mg/kg	21.7	1	02/02/11 10:40	02/02/11 23:10		
Motor Oil Range	ND	mg/kg	109	1	02/02/11 10:40	02/02/11 23:10	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 23:10	460-00-4	
2-Fluorobiphenyl (S)	89	%	50-150	1	02/02/11 10:40	02/02/11 23:10	321-60-8	
o-Terphenyl (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 23:10	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.9**	%	0.10	1		02/07/11 16:59		

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-9 (4) **Lab ID: 256426007** Collected: 01/28/11 13:10 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	51.9	1	02/02/11 10:40	02/02/11 23:26		
Gasoline Range	ND	mg/kg	20.8	1	02/02/11 10:40	02/02/11 23:26		
Motor Oil Range	ND	mg/kg	104	1	02/02/11 10:40	02/02/11 23:26	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/02/11 23:26	460-00-4	
2-Fluorobiphenyl (S)	87	%	50-150	1	02/02/11 10:40	02/02/11 23:26	321-60-8	
o-Terphenyl (S)	99	%	50-150	1	02/02/11 10:40	02/02/11 23:26	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**5.7**	%	0.10	1		02/07/11 17:00		

Sample: TP-10 (4) **Lab ID: 256426008** Collected: 01/28/11 12:55 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	51.1	1	02/02/11 10:40	02/02/11 23:43		
Gasoline Range	ND	mg/kg	20.4	1	02/02/11 10:40	02/02/11 23:43		
Motor Oil Range	ND	mg/kg	102	1	02/02/11 10:40	02/02/11 23:43	64742-65-0	
4-Bromofluorobenzene (S)	101	%	50-150	1	02/02/11 10:40	02/02/11 23:43	460-00-4	
2-Fluorobiphenyl (S)	93	%	50-150	1	02/02/11 10:40	02/02/11 23:43	321-60-8	
o-Terphenyl (S)	90	%	50-150	1	02/02/11 10:40	02/02/11 23:43	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.1**	%	0.10	1		02/07/11 17:01		

Sample: TP-11 (4) **Lab ID: 256426009** Collected: 01/28/11 12:25 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	56.5	1	02/02/11 10:40	02/02/11 23:59		
Gasoline Range	ND	mg/kg	22.6	1	02/02/11 10:40	02/02/11 23:59		
Motor Oil Range	ND	mg/kg	113	1	02/02/11 10:40	02/02/11 23:59	64742-65-0	
4-Bromofluorobenzene (S)	104	%	50-150	1	02/02/11 10:40	02/02/11 23:59	460-00-4	
2-Fluorobiphenyl (S)	91	%	50-150	1	02/02/11 10:40	02/02/11 23:59	321-60-8	
o-Terphenyl (S)	98	%	50-150	1	02/02/11 10:40	02/02/11 23:59	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.7**	%	0.10	1		02/07/11 17:02		

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-17 (4) **Lab ID: 256426010** Collected: 01/28/11 16:10 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	54.7	1	02/02/11 10:40	02/03/11 00:16		
Gasoline Range	ND	mg/kg	21.9	1	02/02/11 10:40	02/03/11 00:16		
Motor Oil Range	ND	mg/kg	109	1	02/02/11 10:40	02/03/11 00:16	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/03/11 00:16	460-00-4	
2-Fluorobiphenyl (S)	55	%	50-150	1	02/02/11 10:40	02/03/11 00:16	321-60-8	
o-Terphenyl (S)	99	%	50-150	1	02/02/11 10:40	02/03/11 00:16	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.2**	%	0.10	1		02/07/11 17:02		

Sample: TP-15 (4) **Lab ID: 256426011** Collected: 01/28/11 12:00 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	51.5	1	02/02/11 10:40	02/03/11 00:32		
Gasoline Range	ND	mg/kg	20.6	1	02/02/11 10:40	02/03/11 00:32		
Motor Oil Range	ND	mg/kg	103	1	02/02/11 10:40	02/03/11 00:32	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/03/11 00:32	460-00-4	
2-Fluorobiphenyl (S)	85	%	50-150	1	02/02/11 10:40	02/03/11 00:32	321-60-8	
o-Terphenyl (S)	105	%	50-150	1	02/02/11 10:40	02/03/11 00:32	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.5**	%	0.10	1		02/07/11 17:03		

Sample: TP-3 (4) **Lab ID: 256426012** Collected: 01/28/11 11:40 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	52.5	1	02/02/11 10:40	02/03/11 00:49		
Gasoline Range	ND	mg/kg	21.0	1	02/02/11 10:40	02/03/11 00:49		
Motor Oil Range	ND	mg/kg	105	1	02/02/11 10:40	02/03/11 00:49	64742-65-0	
4-Bromofluorobenzene (S)	101	%	50-150	1	02/02/11 10:40	02/03/11 00:49	460-00-4	
2-Fluorobiphenyl (S)	84	%	50-150	1	02/02/11 10:40	02/03/11 00:49	321-60-8	
o-Terphenyl (S)	103	%	50-150	1	02/02/11 10:40	02/03/11 00:49	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.7**	%	0.10	1		02/07/11 17:03		

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-2 (4) **Lab ID: 256426013** Collected: 01/28/11 11:25 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	50.7	1	02/02/11 10:40	02/03/11 01:05		
Gasoline Range	ND	mg/kg	20.3	1	02/02/11 10:40	02/03/11 01:05		
Motor Oil Range	ND	mg/kg	101	1	02/02/11 10:40	02/03/11 01:05	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/03/11 01:05	460-00-4	
2-Fluorobiphenyl (S)	90	%	50-150	1	02/02/11 10:40	02/03/11 01:05	321-60-8	
o-Terphenyl (S)	98	%	50-150	1	02/02/11 10:40	02/03/11 01:05	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**4.9**	%	0.10	1		02/07/11 17:04		

Sample: TP-1 (0.5) **Lab ID: 256426014** Collected: 01/28/11 10:30 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH-Dx GCS SG	Analytical Method: NWTPH-Dx Preparation Method: EPA 3546							
Diesel Range SG	**67.0**	mg/kg	21.8	1	02/01/11 11:30	02/01/11 17:23		
Motor Oil Range SG	**364**	mg/kg	87.1	1	02/01/11 11:30	02/01/11 17:23	64742-65-0	
n-Octacosane (S) SG	89	%	50-150	1	02/01/11 11:30	02/01/11 17:23	630-02-4	
o-Terphenyl (S) SG	95	%	50-150	1	02/01/11 11:30	02/01/11 17:23	84-15-1	
NWTPH-Gx GCV	Analytical Method: NWTPH-Gx Preparation Method: NWTPH-Gx							
Gasoline Range Organics	ND	mg/kg	5.2	1	02/02/11 16:05	02/02/11 23:16		
a,a,a-Trifluorotoluene (S)	107	%	50-150	1	02/02/11 16:05	02/02/11 23:16	98-08-8	
4-Bromofluorobenzene (S)	97	%	50-150	1	02/02/11 16:05	02/02/11 23:16	460-00-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	ND	mg/kg	9.6	5	02/04/11 13:52	02/07/11 20:44	7440-38-2	
Chromium	**10.8**	mg/kg	4.8	5	02/04/11 13:52	02/07/11 20:44	7440-47-3	
Lead	**37.0**	mg/kg	4.8	5	02/04/11 13:52	02/07/11 20:44	7439-92-1	
6020 MET ICPMS	Analytical Method: EPA 6020							
Cadmium	**1.1**	mg/kg	0.063	20	02/23/11 11:48	02/23/11 15:32	7440-43-9	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	83-32-9	
Acenaphthylene	**9.3**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	208-96-8	
Anthracene	ND	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	120-12-7	
Benzo(a)anthracene	**12.3**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	56-55-3	
Benzo(a)pyrene	**36.0**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	50-32-8	
Benzo(b)fluoranthene	**80.9**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	205-99-2	
Benzo(g,h,i)perylene	**86.5**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	191-24-2	
Benzo(k)fluoranthene	**23.9**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	207-08-9	
Chrysene	**34.3**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	218-01-9	

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-1 (0.5) **Lab ID: 256426014** Collected: 01/28/11 10:30 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Dibenz(a,h)anthracene	ND	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	53-70-3	
Fluoranthene	**11.1**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	206-44-0	
Fluorene	ND	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	86-73-7	
Indeno(1,2,3-cd)pyrene	**43.4**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	193-39-5	
1-Methylnaphthalene	**10**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	90-12-0	
2-Methylnaphthalene	**29.9**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	91-57-6	
Naphthalene	**15.9**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	91-20-3	
Phenanthrene	**11.4**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	85-01-8	
Pyrene	**73.3**	ug/kg	7.4	1	02/01/11 11:30	02/01/11 15:08	129-00-0	
2-Fluorobiphenyl (S)	82	%	31-131	1	02/01/11 11:30	02/01/11 15:08	321-60-8	
Terphenyl-d14 (S)	81	%	30-133	1	02/01/11 11:30	02/01/11 15:08	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.2**	%	0.10	1		02/07/11 17:05		

Sample: TP-1 (1) **Lab ID: 256426015** Collected: 01/28/11 10:45 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Acetone	ND	ug/kg	14.5	1		02/03/11 16:28	67-64-1	
tert-Amylmethyl ether	ND	ug/kg	4.3	1		02/03/11 16:28	994-05-8	
Benzene	ND	ug/kg	4.3	1		02/03/11 16:28	71-43-2	
Bromobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	108-86-1	
Bromochloromethane	ND	ug/kg	4.3	1		02/03/11 16:28	74-97-5	
Bromodichloromethane	ND	ug/kg	4.3	1		02/03/11 16:28	75-27-4	
Bromoform	ND	ug/kg	4.3	1		02/03/11 16:28	75-25-2	
Bromomethane	ND	ug/kg	4.3	1		02/03/11 16:28	74-83-9	
2-Butanone (MEK)	ND	ug/kg	14.5	1		02/03/11 16:28	78-93-3	
n-Butylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	104-51-8	
sec-Butylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	135-98-8	
tert-Butylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	98-06-6	
Carbon disulfide	ND	ug/kg	4.3	1		02/03/11 16:28	75-15-0	
Carbon tetrachloride	ND	ug/kg	4.3	1		02/03/11 16:28	56-23-5	
Chlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	108-90-7	
Chloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	75-00-3	
Chloroform	ND	ug/kg	4.3	1		02/03/11 16:28	67-66-3	
Chloromethane	ND	ug/kg	4.3	1		02/03/11 16:28	74-87-3	
2-Chlorotoluene	ND	ug/kg	4.3	1		02/03/11 16:28	95-49-8	
4-Chlorotoluene	ND	ug/kg	4.3	1		02/03/11 16:28	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.3	1		02/03/11 16:28	96-12-8	
Dibromochloromethane	ND	ug/kg	4.3	1		02/03/11 16:28	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	4.3	1		02/03/11 16:28	106-93-4	
Dibromomethane	ND	ug/kg	4.3	1		02/03/11 16:28	74-95-3	

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-1 (1) **Lab ID: 256426015** Collected: 01/28/11 10:45 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
1,2-Dichlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	106-46-7	
Dichlorodifluoromethane	ND	ug/kg	4.3	1		02/03/11 16:28	75-71-8	
1,1-Dichloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	75-34-3	
1,2-Dichloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/kg	8.7	1		02/03/11 16:28	540-59-0	
1,1-Dichloroethene	ND	ug/kg	4.3	1		02/03/11 16:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	4.3	1		02/03/11 16:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	4.3	1		02/03/11 16:28	156-60-5	
1,2-Dichloropropane	ND	ug/kg	4.3	1		02/03/11 16:28	78-87-5	
1,3-Dichloropropane	ND	ug/kg	4.3	1		02/03/11 16:28	142-28-9	
2,2-Dichloropropane	ND	ug/kg	4.3	1		02/03/11 16:28	594-20-7	
1,1-Dichloropropene	ND	ug/kg	4.3	1		02/03/11 16:28	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	4.3	1		02/03/11 16:28	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	4.3	1		02/03/11 16:28	10061-02-6	
Ethylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/kg	4.3	1		02/03/11 16:28	87-68-3	
2-Hexanone	ND	ug/kg	14.5	1		02/03/11 16:28	591-78-6	
Isopropylbenzene (Cumene)	ND	ug/kg	4.3	1		02/03/11 16:28	98-82-8	
p-Isopropyltoluene	ND	ug/kg	4.3	1		02/03/11 16:28	99-87-6	
Methylene chloride	ND	ug/kg	14.5	1		02/03/11 16:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	14.5	1		02/03/11 16:28	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	4.3	1		02/03/11 16:28	1634-04-4	
Naphthalene	ND	ug/kg	4.3	1		02/03/11 16:28	91-20-3	
n-Propylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	103-65-1	
Styrene	ND	ug/kg	4.3	1		02/03/11 16:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	79-34-5	
Tetrachloroethene	ND	ug/kg	4.3	1		02/03/11 16:28	127-18-4	
Toluene	ND	ug/kg	4.3	1		02/03/11 16:28	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/kg	4.3	1		02/03/11 16:28	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	4.3	1		02/03/11 16:28	79-00-5	
Trichloroethene	ND	ug/kg	4.3	1		02/03/11 16:28	79-01-6	
Trichlorofluoromethane	ND	ug/kg	4.3	1		02/03/11 16:28	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	4.3	1		02/03/11 16:28	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	4.3	1		02/03/11 16:28	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	4.3	1		02/03/11 16:28	108-67-8	
Vinyl chloride	ND	ug/kg	4.3	1		02/03/11 16:28	75-01-4	
Xylene (Total)	ND	ug/kg	13.0	1		02/03/11 16:28	1330-20-7	
m&p-Xylene	ND	ug/kg	8.7	1		02/03/11 16:28	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1		02/03/11 16:28	95-47-6	
Dibromofluoromethane (S)	93	%	80-136	1		02/03/11 16:28	1868-53-7	

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-1 (1) **Lab ID: 256426015** Collected: 01/28/11 10:45 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260/5035A Volatile Organics	Analytical Method: EPA 8260							
Toluene-d8 (S)	101	%	80-120	1		02/03/11 16:28	2037-26-5	
4-Bromofluorobenzene (S)	100	%	72-122	1		02/03/11 16:28	460-00-4	
1,2-Dichloroethane-d4 (S)	112	%	80-143	1		02/03/11 16:28	17060-07-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**10.8**	%	0.10	1		02/07/11 17:06		

Sample: TP-12 (4) **Lab ID: 256426016** Collected: 01/28/11 10:10 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	56.3	1	02/02/11 10:40	02/03/11 01:21		
Gasoline Range	ND	mg/kg	22.5	1	02/02/11 10:40	02/03/11 01:21		
Motor Oil Range	ND	mg/kg	113	1	02/02/11 10:40	02/03/11 01:21	64742-65-0	
4-Bromofluorobenzene (S)	102	%	50-150	1	02/02/11 10:40	02/03/11 01:21	460-00-4	
2-Fluorobiphenyl (S)	91	%	50-150	1	02/02/11 10:40	02/03/11 01:21	321-60-8	
o-Terphenyl (S)	102	%	50-150	1	02/02/11 10:40	02/03/11 01:21	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**15.1**	%	0.10	1		02/07/11 17:06		

Sample: TP-13 (4) **Lab ID: 256426017** Collected: 01/28/11 09:50 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	50.8	1	02/02/11 10:40	02/03/11 01:38		
Gasoline Range	ND	mg/kg	20.3	1	02/02/11 10:40	02/03/11 01:38		
Motor Oil Range	ND	mg/kg	102	1	02/02/11 10:40	02/03/11 01:38	64742-65-0	
4-Bromofluorobenzene (S)	100	%	50-150	1	02/02/11 10:40	02/03/11 01:38	460-00-4	
2-Fluorobiphenyl (S)	84	%	50-150	1	02/02/11 10:40	02/03/11 01:38	321-60-8	
o-Terphenyl (S)	99	%	50-150	1	02/02/11 10:40	02/03/11 01:38	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**6.9**	%	0.10	1		02/07/11 17:11		

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ANALYTICAL RESULTS

Project: Spokane Raceway
Pace Project No.: 256426

Sample: TP-14 (2) **Lab ID: 256426018** Collected: 01/28/11 09:20 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	49.7	1	02/02/11 10:40	02/03/11 02:11		
Gasoline Range	ND	mg/kg	19.9	1	02/02/11 10:40	02/03/11 02:11		
Motor Oil Range	ND	mg/kg	99.5	1	02/02/11 10:40	02/03/11 02:11	64742-65-0	
4-Bromofluorobenzene (S)	99	%	50-150	1	02/02/11 10:40	02/03/11 02:11	460-00-4	
2-Fluorobiphenyl (S)	79	%	50-150	1	02/02/11 10:40	02/03/11 02:11	321-60-8	
o-Terphenyl (S)	98	%	50-150	1	02/02/11 10:40	02/03/11 02:11	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.0**	%	0.10	1		02/07/11 17:12		

Sample: TP-4 (2.5) **Lab ID: 256426019** Collected: 01/28/11 08:45 Received: 01/29/11 09:20 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
NWTPH HCID	Analytical Method: NWTPH-HCID Preparation Method: EPA 3550B							
Diesel Range	ND	mg/kg	55.8	1	02/02/11 10:40	02/03/11 02:27		
Gasoline Range	ND	mg/kg	22.3	1	02/02/11 10:40	02/03/11 02:27		
Motor Oil Range	ND	mg/kg	112	1	02/02/11 10:40	02/03/11 02:27	64742-65-0	
4-Bromofluorobenzene (S)	101	%	50-150	1	02/02/11 10:40	02/03/11 02:27	460-00-4	
2-Fluorobiphenyl (S)	85	%	50-150	1	02/02/11 10:40	02/03/11 02:27	321-60-8	
o-Terphenyl (S)	99	%	50-150	1	02/02/11 10:40	02/03/11 02:27	84-15-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**11.0**	%	0.10	1		02/07/11 17:13		

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: OEXT/3247 Analysis Method: NWTPH-Dx
QC Batch Method: EPA 3546 Analysis Description: NWTPH-Dx GCS
Associated Lab Samples: 256426014

METHOD BLANK: 56436 Matrix: Solid
Associated Lab Samples: 256426014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range SG	mg/kg	ND	20.0	02/01/11 16:17	
Motor Oil Range SG	mg/kg	ND	80.0	02/01/11 16:17	
n-Octacosane (S) SG	%	90	50-150	02/01/11 16:17	
o-Terphenyl (S) SG	%	91	50-150	02/01/11 16:17	

LABORATORY CONTROL SAMPLE: 56437

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Range SG	mg/kg	500	429	86	56-124	
Motor Oil Range SG	mg/kg	500	450	90	50-150	
n-Octacosane (S) SG	%			91	50-150	
o-Terphenyl (S) SG	%			99	50-150	

SAMPLE DUPLICATE: 56438

Parameter	Units	256432001 Result	Dup Result	RPD	Qualifiers
Diesel Range SG	mg/kg	ND	8.1J		
Motor Oil Range SG	mg/kg	ND	ND		
n-Octacosane (S) SG	%	95	77	24	
o-Terphenyl (S) SG	%	95	95	2	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: OEXT/3249 Analysis Method: NWTPH-HCID
QC Batch Method: EPA 3550B Analysis Description: NWTPH HCID GCS
Associated Lab Samples: 256426001, 256426002, 256426003, 256426004, 256426005, 256426006, 256426007, 256426008, 256426009, 256426010, 256426011, 256426012, 256426013, 256426016, 256426017, 256426018, 256426019

METHOD BLANK: 56632 Matrix: Solid
Associated Lab Samples: 256426001, 256426002, 256426003, 256426004, 256426005, 256426006, 256426007, 256426008, 256426009, 256426010, 256426011, 256426012, 256426013, 256426016, 256426017, 256426018, 256426019

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range	mg/kg	ND	50.0	02/02/11 21:13	
Gasoline Range	mg/kg	ND	20.0	02/02/11 21:13	
Motor Oil Range	mg/kg	ND	100	02/02/11 21:13	
2-Fluorobiphenyl (S)	%	95	50-150	02/02/11 21:13	
4-Bromofluorobenzene (S)	%	108	50-150	02/02/11 21:13	
o-Terphenyl (S)	%	104	50-150	02/02/11 21:13	

SAMPLE DUPLICATE: 56633

Parameter	Units	256426001 Result	Dup Result	RPD	Qualifiers
Diesel Range	mg/kg	ND	ND		
Gasoline Range	mg/kg	ND	ND		
Motor Oil Range	mg/kg	ND	ND		
2-Fluorobiphenyl (S)	%	85	84	2	
4-Bromofluorobenzene (S)	%	98	99	.4	
o-Terphenyl (S)	%	100	97	3	

SAMPLE DUPLICATE: 56634

Parameter	Units	256426017 Result	Dup Result	RPD	Qualifiers
Diesel Range	mg/kg	ND	ND		
Gasoline Range	mg/kg	ND	ND		
Motor Oil Range	mg/kg	ND	ND		
2-Fluorobiphenyl (S)	%	84	94	11	
4-Bromofluorobenzene (S)	%	100	101	1	
o-Terphenyl (S)	%	99	99	.3	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: GCV/2139
QC Batch Method: NWTPH-Gx
Analysis Method: NWTPH-Gx
Analysis Description: NWTPH-Gx Solid GCV
Associated Lab Samples: 256426014

METHOD BLANK: 56714 Matrix: Solid
Associated Lab Samples: 256426014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	5.0	02/02/11 16:52	
4-Bromofluorobenzene (S)	%	71	50-150	02/02/11 16:52	
a,a,a-Trifluorotoluene (S)	%	77	50-150	02/02/11 16:52	

LABORATORY CONTROL SAMPLE: 56715

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	12.5	11.4	91	54-156	
4-Bromofluorobenzene (S)	%			85	50-150	
a,a,a-Trifluorotoluene (S)	%			90	50-150	

SAMPLE DUPLICATE: 56762

Parameter	Units	256400003 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	1.1J		
4-Bromofluorobenzene (S)	%	102	114	11	
a,a,a-Trifluorotoluene (S)	%	115	128	10	

SAMPLE DUPLICATE: 56763

Parameter	Units	256414003 Result	Dup Result	RPD	Qualifiers
Gasoline Range Organics	mg/kg	ND	1J		
4-Bromofluorobenzene (S)	%	109	104	5	
a,a,a-Trifluorotoluene (S)	%	121	116	5	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: MPRP/1993
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Associated Lab Samples: 256426014

METHOD BLANK: 56877
Matrix: Solid
Associated Lab Samples: 256426014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	ND	2.0	02/07/11 19:42	
Chromium	mg/kg	ND	1.0	02/07/11 19:42	
Lead	mg/kg	ND	1.0	02/07/11 19:42	

LABORATORY CONTROL SAMPLE: 56878

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	25	25.5	102	80-120	
Chromium	mg/kg	25	26.8	107	80-120	
Lead	mg/kg	25	26.1	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 56879 56880

Parameter	Units	256426014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Arsenic	mg/kg	ND	25.5	25.5	37.8	37.2	130	127	75-125	2	M1
Chromium	mg/kg	10.8	25.5	25.5	44.3	46.4	131	139	75-125	5	M1
Lead	mg/kg	37.0	25.5	25.5	88.3	114	201	300	75-125	25	M1,R1

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: ICPM/24829
QC Batch Method: EPA 6020
Analysis Method: EPA 6020
Analysis Description: 6020 MET
Associated Lab Samples: 256426014

METHOD BLANK: 934599
Matrix: Solid
Associated Lab Samples: 256426014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cadmium	mg/kg	ND	0.075	02/23/11 15:28	

LABORATORY CONTROL SAMPLE: 934600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cadmium	mg/kg	18.3	19.5	106	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 934601 934602

Parameter	Units	256426014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Cadmium	mg/kg	1.1	19.7	17.2	22.2	19.7	107	109	75-125	12	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: OEXT/3246
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 256426014

METHOD BLANK: 56432 Matrix: Solid
Associated Lab Samples: 256426014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	ND	6.7	02/01/11 14:39	
2-Methylnaphthalene	ug/kg	ND	6.7	02/01/11 14:39	
Acenaphthene	ug/kg	ND	6.7	02/01/11 14:39	
Acenaphthylene	ug/kg	ND	6.7	02/01/11 14:39	
Anthracene	ug/kg	ND	6.7	02/01/11 14:39	
Benzo(a)anthracene	ug/kg	ND	6.7	02/01/11 14:39	
Benzo(a)pyrene	ug/kg	ND	6.7	02/01/11 14:39	
Benzo(b)fluoranthene	ug/kg	ND	6.7	02/01/11 14:39	
Benzo(g,h,i)perylene	ug/kg	ND	6.7	02/01/11 14:39	
Benzo(k)fluoranthene	ug/kg	ND	6.7	02/01/11 14:39	
Chrysene	ug/kg	ND	6.7	02/01/11 14:39	
Dibenz(a,h)anthracene	ug/kg	ND	6.7	02/01/11 14:39	
Fluoranthene	ug/kg	ND	6.7	02/01/11 14:39	
Fluorene	ug/kg	ND	6.7	02/01/11 14:39	
Indeno(1,2,3-cd)pyrene	ug/kg	ND	6.7	02/01/11 14:39	
Naphthalene	ug/kg	ND	6.7	02/01/11 14:39	
Phenanthrene	ug/kg	ND	6.7	02/01/11 14:39	
Pyrene	ug/kg	ND	6.7	02/01/11 14:39	
2-Fluorobiphenyl (S)	%	83	31-131	02/01/11 14:39	
Terphenyl-d14 (S)	%	93	30-133	02/01/11 14:39	

LABORATORY CONTROL SAMPLE: 56433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	133	94.8	71	37-121	
2-Methylnaphthalene	ug/kg	133	97.7	73	33-132	
Acenaphthene	ug/kg	133	96.3	72	32-127	
Acenaphthylene	ug/kg	133	98.6	74	31-134	
Anthracene	ug/kg	133	103	77	42-135	
Benzo(a)anthracene	ug/kg	133	118	89	43-139	
Benzo(a)pyrene	ug/kg	133	123	92	44-144	
Benzo(b)fluoranthene	ug/kg	133	108	81	42-144	
Benzo(g,h,i)perylene	ug/kg	133	107	80	46-136	
Benzo(k)fluoranthene	ug/kg	133	106	79	45-147	
Chrysene	ug/kg	133	99.9	75	42-144	
Dibenz(a,h)anthracene	ug/kg	133	105	79	48-142	
Fluoranthene	ug/kg	133	103	77	44-143	
Fluorene	ug/kg	133	109	82	32-146	
Indeno(1,2,3-cd)pyrene	ug/kg	133	112	84	47-140	
Naphthalene	ug/kg	133	91.1	68	35-118	
Phenanthrene	ug/kg	133	103	78	42-131	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

LABORATORY CONTROL SAMPLE: 56433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/kg	133	109	82	47-136	
2-Fluorobiphenyl (S)	%			76	31-131	
Terphenyl-d14 (S)	%			85	30-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 56434 56435

Parameter	Units	256426014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1-Methylnaphthalene	ug/kg	10	148	146	118	114	73	72	31-123	3	
2-Methylnaphthalene	ug/kg	29.9	148	146	135	139	71	75	15-146	2	
Acenaphthene	ug/kg	ND	148	146	109	107	73	73	19-141	2	
Acenaphthylene	ug/kg	9.3	148	146	117	119	73	75	30-142	1	
Anthracene	ug/kg	ND	148	146	112	110	71	71	38-137	2	
Benzo(a)anthracene	ug/kg	12.3	148	146	126	126	77	78	37-143	.2	
Benzo(a)pyrene	ug/kg	36.0	148	146	155	167	81	90	33-147	7	
Benzo(b)fluoranthene	ug/kg	80.9	148	146	168	176	59	65	25-156	5	
Benzo(g,h,i)perylene	ug/kg	86.5	148	146	175	174	59	60	26-142	.4	
Benzo(k)fluoranthene	ug/kg	23.9	148	146	146	152	83	88	35-142	4	
Chrysene	ug/kg	34.3	148	146	125	121	61	59	23-150	4	
Dibenz(a,h)anthracene	ug/kg	ND	148	146	116	111	73	71	41-140	5	
Fluoranthene	ug/kg	11.1	148	146	115	111	70	69	25-155	4	
Fluorene	ug/kg	ND	148	146	126	122	84	83	33-152	3	
Indeno(1,2,3-cd)pyrene	ug/kg	43.4	148	146	170	165	85	84	36-139	3	
Naphthalene	ug/kg	15.9	148	146	120	120	71	72	25-121	.3	
Phenanthrene	ug/kg	11.4	148	146	123	119	75	74	29-141	3	
Pyrene	ug/kg	73.3	148	146	160	158	59	58	36-145	2	
2-Fluorobiphenyl (S)	%						78	78	31-131		
Terphenyl-d14 (S)	%						77	73	30-133		

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: MSV/3800
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035A Volatile Organics
Associated Lab Samples: 256426015

METHOD BLANK: 56731
Matrix: Solid
Associated Lab Samples: 256426015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1,1-Trichloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1,2,2-Tetrachloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1,2-Trichloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1,2-Trichlorotrifluoroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1-Dichloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,1-Dichloroethene	ug/kg	ND	3.0	02/03/11 12:32	
1,1-Dichloropropene	ug/kg	ND	3.0	02/03/11 12:32	
1,2,3-Trichlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,2,3-Trichloropropane	ug/kg	ND	3.0	02/03/11 12:32	
1,2,4-Trichlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,2,4-Trimethylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,2-Dibromo-3-chloropropane	ug/kg	ND	3.0	02/03/11 12:32	
1,2-Dibromoethane (EDB)	ug/kg	ND	3.0	02/03/11 12:32	
1,2-Dichlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,2-Dichloroethane	ug/kg	ND	3.0	02/03/11 12:32	
1,2-Dichloroethene (Total)	ug/kg	ND	6.0	02/03/11 12:32	
1,2-Dichloropropane	ug/kg	ND	3.0	02/03/11 12:32	
1,3,5-Trimethylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,3-Dichlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
1,3-Dichloropropane	ug/kg	ND	3.0	02/03/11 12:32	
1,4-Dichlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
2,2-Dichloropropane	ug/kg	ND	3.0	02/03/11 12:32	
2-Butanone (MEK)	ug/kg	ND	10.0	02/03/11 12:32	
2-Chlorotoluene	ug/kg	ND	3.0	02/03/11 12:32	
2-Hexanone	ug/kg	ND	10.0	02/03/11 12:32	
4-Chlorotoluene	ug/kg	ND	3.0	02/03/11 12:32	
4-Methyl-2-pentanone (MIBK)	ug/kg	ND	10.0	02/03/11 12:32	
Acetone	ug/kg	ND	10.0	02/03/11 12:32	
Benzene	ug/kg	ND	3.0	02/03/11 12:32	
Bromobenzene	ug/kg	ND	3.0	02/03/11 12:32	
Bromochloromethane	ug/kg	ND	3.0	02/03/11 12:32	
Bromodichloromethane	ug/kg	ND	3.0	02/03/11 12:32	
Bromoform	ug/kg	ND	3.0	02/03/11 12:32	
Bromomethane	ug/kg	ND	3.0	02/03/11 12:32	
Carbon disulfide	ug/kg	ND	3.0	02/03/11 12:32	
Carbon tetrachloride	ug/kg	ND	3.0	02/03/11 12:32	
Chlorobenzene	ug/kg	ND	3.0	02/03/11 12:32	
Chloroethane	ug/kg	ND	3.0	02/03/11 12:32	
Chloroform	ug/kg	ND	3.0	02/03/11 12:32	
Chloromethane	ug/kg	ND	3.0	02/03/11 12:32	
cis-1,2-Dichloroethene	ug/kg	ND	3.0	02/03/11 12:32	
cis-1,3-Dichloropropene	ug/kg	ND	3.0	02/03/11 12:32	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

METHOD BLANK: 56731 Matrix: Solid

Associated Lab Samples: 256426015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/kg	ND	3.0	02/03/11 12:32	
Dibromomethane	ug/kg	ND	3.0	02/03/11 12:32	
Dichlorodifluoromethane	ug/kg	ND	3.0	02/03/11 12:32	
Ethylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
Hexachloro-1,3-butadiene	ug/kg	ND	3.0	02/03/11 12:32	
Isopropylbenzene (Cumene)	ug/kg	ND	3.0	02/03/11 12:32	
m&p-Xylene	ug/kg	ND	6.0	02/03/11 12:32	
Methyl-tert-butyl ether	ug/kg	ND	3.0	02/03/11 12:32	
Methylene chloride	ug/kg	ND	10.0	02/03/11 12:32	
n-Butylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
n-Propylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
Naphthalene	ug/kg	ND	3.0	02/03/11 12:32	
o-Xylene	ug/kg	ND	3.0	02/03/11 12:32	
p-Isopropyltoluene	ug/kg	ND	3.0	02/03/11 12:32	
sec-Butylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
Styrene	ug/kg	ND	3.0	02/03/11 12:32	
tert-Amylmethyl ether	ug/kg	ND	3.0	02/03/11 12:32	
tert-Butylbenzene	ug/kg	ND	3.0	02/03/11 12:32	
Tetrachloroethene	ug/kg	ND	3.0	02/03/11 12:32	
Toluene	ug/kg	ND	3.0	02/03/11 12:32	
trans-1,2-Dichloroethene	ug/kg	ND	3.0	02/03/11 12:32	
trans-1,3-Dichloropropene	ug/kg	ND	3.0	02/03/11 12:32	
Trichloroethene	ug/kg	ND	3.0	02/03/11 12:32	
Trichlorofluoromethane	ug/kg	ND	3.0	02/03/11 12:32	
Vinyl chloride	ug/kg	ND	3.0	02/03/11 12:32	
Xylene (Total)	ug/kg	ND	9.0	02/03/11 12:32	
1,2-Dichloroethane-d4 (S)	%	100	80-143	02/03/11 12:32	
4-Bromofluorobenzene (S)	%	100	72-122	02/03/11 12:32	
Dibromofluoromethane (S)	%	91	80-136	02/03/11 12:32	
Toluene-d8 (S)	%	105	80-120	02/03/11 12:32	

LABORATORY CONTROL SAMPLE & LCSD: 56732 56793

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	50	51.9	56.9	104	114	49-136	9	30	
1,1,1-Trichloroethane	ug/kg	50	53.6	54.7	107	109	56-147	2	30	
1,1,2,2-Tetrachloroethane	ug/kg	50	60.3	61.6	121	123	62-143	2	30	
1,1,2-Trichloroethane	ug/kg	50	57.5	57.2	115	114	66-127	.6	30	
1,1,2-Trichlorotrifluoroethane	ug/kg	50	54.3	56.0	109	112	60-140	3	30	
1,1-Dichloroethane	ug/kg	50	54.0	54.9	108	110	54-146	2	30	
1,1-Dichloroethene	ug/kg	50	58.2	57.6	116	115	58-152	.9	30	
1,1-Dichloropropene	ug/kg	50	55.6	58.0	111	116	74-132	4	30	
1,2,3-Trichlorobenzene	ug/kg	50	54.8	60.1	110	120	54-146	9	30	
1,2,3-Trichloropropane	ug/kg	50	59.0	54.3	118	109	49-150	8	30	
1,2,4-Trichlorobenzene	ug/kg	50	53.0	58.1	106	116	48-153	9	30	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

LABORATORY CONTROL SAMPLE & LCSD: 56732 56793

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	50	47.3	51.0	95	102	66-133	7	30	
1,2-Dibromo-3-chloropropane	ug/kg	50	57.5	61.3	115	123	41-156	6	30	
1,2-Dibromoethane (EDB)	ug/kg	50	58.9	58.4	118	117	71-123	.9	30	
1,2-Dichlorobenzene	ug/kg	50	51.9	55.1	104	110	71-127	6	30	
1,2-Dichloroethane	ug/kg	50	58.8	57.0	118	114	70-124	3	30	
1,2-Dichloroethene (Total)	ug/kg	100	110	115	110	115	69-138	4	30	
1,2-Dichloropropane	ug/kg	50	53.7	54.6	107	109	71-125	2	30	
1,3,5-Trimethylbenzene	ug/kg	50	48.2	52.3	96	105	69-130	8	30	
1,3-Dichlorobenzene	ug/kg	50	51.5	54.3	103	109	73-126	5	30	
1,3-Dichloropropane	ug/kg	50	57.2	56.0	114	112	65-128	2	30	
1,4-Dichlorobenzene	ug/kg	50	50.1	53.0	100	106	73-125	6	30	
2,2-Dichloropropane	ug/kg	50	54.5	54.7	109	109	36-164	.4	30	
2-Butanone (MEK)	ug/kg	100	208	166	208	166	70-171	22	30	L3
2-Chlorotoluene	ug/kg	50	52.5	55.3	105	111	66-134	5	30	
2-Hexanone	ug/kg	100	197	184	197	184	51-180	7	30	L3
4-Chlorotoluene	ug/kg	50	54.0	55.4	108	111	64-137	3	30	
4-Methyl-2-pentanone (MIBK)	ug/kg	100	141	126	141	126	50-162	11	30	
Acetone	ug/kg	100	283	244	283	244	47-166	15	30	L3
Benzene	ug/kg	50	53.9	55.7	108	111	75-133	3	30	
Bromobenzene	ug/kg	50	51.6	52.6	103	105	71-124	2	30	
Bromochloromethane	ug/kg	50	53.7	55.3	107	111	54-140	3	30	
Bromodichloromethane	ug/kg	50	59.6	58.6	119	117	73-120	2	30	
Bromoform	ug/kg	50	61.7	57.6	123	115	43-138	7	30	
Bromomethane	ug/kg	50	53.3	52.1	107	104	54-149	2	30	
Carbon disulfide	ug/kg	50	45.0	45.8	90	92	44-152	2	30	
Carbon tetrachloride	ug/kg	50	57.7	57.8	115	116	46-154	.07	30	
Chlorobenzene	ug/kg	50	52.3	53.8	105	108	72-124	3	30	
Chloroethane	ug/kg	50	50.0	50.4	100	101	58-152	.9	30	
Chloroform	ug/kg	50	53.7	54.6	107	109	72-131	2	30	
Chloromethane	ug/kg	50	43.6	42.4	87	85	50-156	3	30	
cis-1,2-Dichloroethene	ug/kg	50	54.4	57.3	109	115	76-132	5	30	
cis-1,3-Dichloropropene	ug/kg	50	63.7	59.3	127	119	69-120	7	30	L3
Dibromochloromethane	ug/kg	50	57.8	57.3	116	115	66-120	.9	30	
Dibromomethane	ug/kg	50	59.9	60.6	120	121	75-122	1	30	
Dichlorodifluoromethane	ug/kg	50	33.8	33.8	68	68	49-157	.1	30	
Ethylbenzene	ug/kg	50	49.3	51.2	99	102	68-131	4	30	
Hexachloro-1,3-butadiene	ug/kg	50	49.6	53.4	99	107	66-128	7	30	
Isopropylbenzene (Cumene)	ug/kg	50	46.2	49.4	92	99	57-142	7	30	
m&p-Xylene	ug/kg	100	103	107	103	107	67-132	3	30	
Methyl-tert-butyl ether	ug/kg	50	59.6	58.0	119	116	52-143	3	30	
Methylene chloride	ug/kg	50	58.3	59.2	117	118	45-146	2	30	
n-Butylbenzene	ug/kg	50	48.1	52.4	96	105	67-139	9	30	
n-Propylbenzene	ug/kg	50	48.0	49.8	96	100	68-133	4	30	
Naphthalene	ug/kg	50	69.0	74.0	138	148	52-147	7	30	L3
o-Xylene	ug/kg	50	50.2	54.4	100	109	68-129	8	30	
p-Isopropyltoluene	ug/kg	50	47.8	52.4	96	105	73-129	9	30	
sec-Butylbenzene	ug/kg	50	46.9	51.7	94	103	72-132	10	30	
Styrene	ug/kg	50	54.0	54.8	108	110	62-125	1	30	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

LABORATORY CONTROL SAMPLE & LCSD: 56732 56793

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
tert-Amylmethyl ether	ug/kg	50	60.6	60.1	121	120	62-138	.7	30	
tert-Butylbenzene	ug/kg	50	49.0	55.4	98	111	70-125	12	30	
Tetrachloroethene	ug/kg	50	48.7	51.8	97	104	62-130	6	30	
Toluene	ug/kg	50	51.3	54.0	103	108	73-124	5	30	
trans-1,2-Dichloroethene	ug/kg	50	55.5	57.5	111	115	64-144	3	30	
trans-1,3-Dichloropropene	ug/kg	50	54.0	53.5	108	107	50-128	1	30	
Trichloroethene	ug/kg	50	56.4	57.9	113	116	74-128	3	30	
Trichlorofluoromethane	ug/kg	50	55.7	55.4	111	111	57-163	.6	30	
Vinyl chloride	ug/kg	50	49.1	48.3	98	97	59-155	2	30	
Xylene (Total)	ug/kg	150	153	161	102	107	68-130	5	30	
1,2-Dichloroethane-d4 (S)	%				106	106	80-143			
4-Bromofluorobenzene (S)	%				107	103	72-122			
Dibromofluoromethane (S)	%				99	100	80-136			
Toluene-d8 (S)	%				98	103	80-120			

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: PMST/1505 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 256426001, 256426002, 256426003, 256426004, 256426005, 256426006, 256426007, 256426008, 256426009, 256426010, 256426011, 256426012, 256426013, 256426014, 256426015, 256426016

SAMPLE DUPLICATE: 57324

Parameter	Units	256414004 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	9.3	9.2	.9	

SAMPLE DUPLICATE: 57325

Parameter	Units	256426014 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	10.2	9.3	10	

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QUALITY CONTROL DATA

Project: Spokane Raceway
Pace Project No.: 256426

QC Batch: PMST/1506 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 256426017, 256426018, 256426019

SAMPLE DUPLICATE: 57326

Parameter	Units	256426017 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	6.9	6.6	4	

SAMPLE DUPLICATE: 57327

Parameter	Units	256440014 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	12.9	12.0	7	

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QUALIFIERS

Project: Spokane Raceway
Pace Project No.: 256426

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel Clean-Up

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis
PASI-S	Pace Analytical Services - Seattle

BATCH QUALIFIERS

Batch: MSV/3800

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Spokane Raceway
Pace Project No.: 256426

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
256426014	TP-1 (0.5)	EPA 3546	OEXT/3247	NWTPH-Dx	GCSV/2229
256426001	TP-18 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426002	TP-16 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426003	TP-7 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426004	TP-5 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426005	TP-6 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426006	TP-8 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426007	TP-9 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426008	TP-10 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426009	TP-11 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426010	TP-17 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426011	TP-15 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426012	TP-3 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426013	TP-2 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426016	TP-12 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426017	TP-13 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426018	TP-14 (2)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426019	TP-4 (2.5)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426014	TP-1 (0.5)	NWTPH-Gx	GCV/2139	NWTPH-Gx	GCV/2149
256426014	TP-1 (0.5)	EPA 3050	MPRP/1993	EPA 6010	ICP/1905
256426014	TP-1 (0.5)	EPA 6020	ICPM/24829	EPA 6020	ICPM/10106
256426014	TP-1 (0.5)	EPA 3546	OEXT/3246	EPA 8270 by SIM	MSSV/1508
256426015	TP-1 (1)	EPA 8260	MSV/3800		
256426001	TP-18 (4)	ASTM D2974-87	PMST/1505		
256426002	TP-16 (4)	ASTM D2974-87	PMST/1505		
256426003	TP-7 (4)	ASTM D2974-87	PMST/1505		
256426004	TP-5 (4)	ASTM D2974-87	PMST/1505		
256426005	TP-6 (4)	ASTM D2974-87	PMST/1505		
256426006	TP-8 (4)	ASTM D2974-87	PMST/1505		
256426007	TP-9 (4)	ASTM D2974-87	PMST/1505		
256426008	TP-10 (4)	ASTM D2974-87	PMST/1505		
256426009	TP-11 (4)	ASTM D2974-87	PMST/1505		
256426010	TP-17 (4)	ASTM D2974-87	PMST/1505		
256426011	TP-15 (4)	ASTM D2974-87	PMST/1505		
256426012	TP-3 (4)	ASTM D2974-87	PMST/1505		
256426013	TP-2 (4)	ASTM D2974-87	PMST/1505		
256426014	TP-1 (0.5)	ASTM D2974-87	PMST/1505		
256426015	TP-1 (1)	ASTM D2974-87	PMST/1505		
256426016	TP-12 (4)	ASTM D2974-87	PMST/1505		
256426017	TP-13 (4)	ASTM D2974-87	PMST/1506		
256426018	TP-14 (2)	ASTM D2974-87	PMST/1506		
256426019	TP-4 (2.5)	ASTM D2974-87	PMST/1506		

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QUALIFIERS

Project: Spokane Raceway
Pace Project No.: 256426

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

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LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis
PASI-S	Pace Analytical Services - Seattle

BATCH QUALIFIERS

Batch: MSV/3800

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Spokane Raceway
Pace Project No.: 256426

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
256426014	TP-1 (0.5)	EPA 3546	OEXT/3247	NWTPH-Dx	GCSV/2229
256426001	TP-18 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426002	TP-16 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426003	TP-7 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426004	TP-5 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426005	TP-6 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426006	TP-8 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426007	TP-9 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426008	TP-10 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426009	TP-11 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426010	TP-17 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426011	TP-15 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426012	TP-3 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426013	TP-2 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426016	TP-12 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426017	TP-13 (4)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426018	TP-14 (2)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426019	TP-4 (2.5)	EPA 3550B	OEXT/3249	NWTPH-HCID	GCSV/2232
256426014	TP-1 (0.5)	NWTPH-Gx	GCV/2139	NWTPH-Gx	GCV/2149
256426014	TP-1 (0.5)	EPA 3050	MPRP/1993	EPA 6010	ICP/1905
256426014	TP-1 (0.5)	EPA 6020	ICPM/24829	EPA 6020	ICPM/10106
256426014	TP-1 (0.5)	EPA 3546	OEXT/3246	EPA 8270 by SIM	MSSV/1508
256426015	TP-1 (1)	EPA 8260	MSV/3800		
256426001	TP-18 (4)	ASTM D2974-87	PMST/1505		
256426002	TP-16 (4)	ASTM D2974-87	PMST/1505		
256426003	TP-7 (4)	ASTM D2974-87	PMST/1505		
256426004	TP-5 (4)	ASTM D2974-87	PMST/1505		
256426005	TP-6 (4)	ASTM D2974-87	PMST/1505		
256426006	TP-8 (4)	ASTM D2974-87	PMST/1505		
256426007	TP-9 (4)	ASTM D2974-87	PMST/1505		
256426008	TP-10 (4)	ASTM D2974-87	PMST/1505		
256426009	TP-11 (4)	ASTM D2974-87	PMST/1505		
256426010	TP-17 (4)	ASTM D2974-87	PMST/1505		
256426011	TP-15 (4)	ASTM D2974-87	PMST/1505		
256426012	TP-3 (4)	ASTM D2974-87	PMST/1505		
256426013	TP-2 (4)	ASTM D2974-87	PMST/1505		
256426014	TP-1 (0.5)	ASTM D2974-87	PMST/1505		
256426015	TP-1 (1)	ASTM D2974-87	PMST/1505		
256426016	TP-12 (4)	ASTM D2974-87	PMST/1505		
256426017	TP-13 (4)	ASTM D2974-87	PMST/1506		
256426018	TP-14 (2)	ASTM D2974-87	PMST/1506		
256426019	TP-4 (2.5)	ASTM D2974-87	PMST/1506		

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CHAIN-OF-CUS[illegible]Y / Analytical Request Document

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

Page: 1 of 2

1438447

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Geo Engineers	Report To: Slahan + Jhancy	Attention:
Address: 523 E 2nd Ave Spokane WA 99202	Copy To:	Company Name:
Email To: slahan@geoengineers.com	Purchase Order No.:	Address:
Phone: 509 363 3125 Fax:	Project Name: Ford Raceway	Pace Quote Reference:
Requested Due Date/TAT: Standard	Project Number: 0158-149-00	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: WA

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE)

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TP-18(4) 1545	GW	G			1/26/11	1545												NWTPH-HCID		
2	TP-16(4) 1523						1523														
3	TP-7 (4) 1451						1451														
4	TP5-(4) 1435						1435														
5	TP-6 (4) 1423						1423														
6	TP-8 (4) 1330						1330														
7	TP-9 (4) 1310						1310														
8	TP-10 (4) 1255						1255														
9	TP-11 (4) 1225						1225														
10	TP-17 (4) 1610						1610														
11	TP-15 (4) 1200						1200														
12	TP-3 (4) 1140	↓	↓			↓	1140												↓		

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Scott Lathan [illegible]	1/26/11	1700				

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Lathan

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 1/26/11

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

1438443

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Geo Engineers	Report To:	Attention:
Address: 523 E. Second Ave Spokane WA 99202	Copy To:	Company Name:
		Address:
Email To: Slathem@geoengineers.com	Purchase Order No.:	Pace Quote Reference:
Phone: (509) 363-3125 Fax:	Project Name: Spokane Raceway	Pace Project Manager:
Requested Due Date/TAT: Standard	Project Number: 0168-149-00	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	NWTPH - HCID	NWTPH - Gx	NWTPH - Dx w/SGC	VOC by 8260B	PAH by 8270 SIM	As, Cd, Cr, Pb	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TP-2(4) 1125	SL	G			1-25-11	1125		1										X							
2	TP-1(0.5) 1030						1030		1											X	X		X	X		
3	TP-1(1) 1045						1045		1													X				
4	TP-12(4) 1010						1010		1										X							
5	TP-13(4) 950						950		2										X							
6	TP-14(2) 920						920		2										X							
7	TP-2A(2.5) 845	↓	↓			↓	845		2										X							
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Scott Lathem

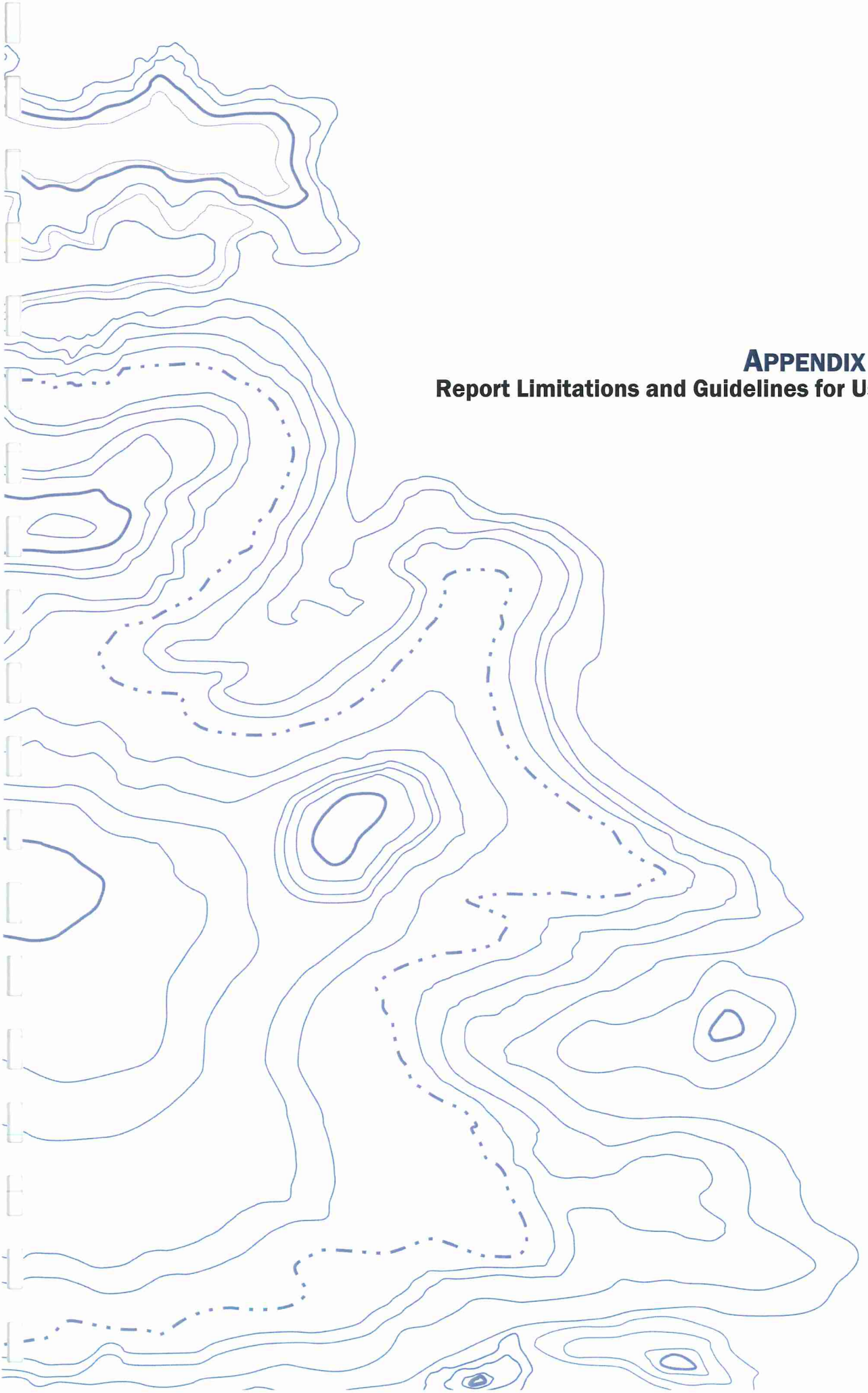
SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 1/28/11

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

2

*Important Note: By signing this form you are accepting Pace's NET 30 d[illegible]ent term[illegible]reeing to [illegible]ges of 1[illegible]onth fo[illegible]ices not [illegible]in 30 da

-Q-02 [illegible], 15-M 7



APPENDIX C
Report Limitations and Guidelines for Use

APPENDIX C
REPORT LIMITATIONS AND GUIDELINES FOR USE[1]

This Appendix provides information to help you manage your risks with respect to the use of this report.

Environmental Services Are Performed for Specific Purposes, Persons and Projects

This report has been prepared for the exclusive use of Spokane County their authorized agents and regulatory agencies. This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except Spokane County should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for the Spokane County Raceway site located in Airway Heights, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

Reliance Conditions for Third Parties

Our report was prepared for the exclusive use of Spokane County. No other party may rely on the product of our services unless we agree in advance to such reliance in writing. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the

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[1] Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

Client and generally accepted environmental practices in this area at the time this report was prepared.

Environmental Regulations are Always Evolving

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

Uncertainty May Remain Even After This Phase II ESA is Completed

No ESA can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Our interpretation of subsurface conditions in this study is based on field observations and chemical analytical data from widely-spaced sampling locations. It is always possible that contamination exists in areas that were not explored, sampled or analyzed.

Subsurface Conditions Can Change

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

Soil and Groundwater End Use

The cleanup levels referenced in this report are site- and situation-specific. The cleanup levels may not be applicable for other sites or for other on-site uses of the affected media (soil and/or groundwater). Note that hazardous substances may be present in some of the site soil and/or groundwater at detectable concentrations that are less than the referenced cleanup levels. GeoEngineers should be contacted prior to the export of soil or groundwater from the subject site or reuse of the affected media on site to evaluate the potential for associated environmental liabilities. We cannot be responsible for potential environmental liability arising out of the transfer of soil and/or groundwater from the subject site to another location or its reuse on site in instances that we were not aware of or could not control.

Most Environmental Findings are Professional Opinions

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

Do Not Redraw the Exploration Logs

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproductions are acceptable, but recognize that separating logs from the report can elevate risk.

Read These Provisions Closely

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

Geotechnical, Geologic and Geoenvironmental Reports Should Not be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

Biological Pollutants

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention or assessment of the presence of Biological Pollutants. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detecting, assessing, preventing or abating of Biological Pollutants and no conclusions or inferences should be drawn regarding Biological Pollutants, as they may relate to this project. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts.

If Client desires these specialized services, they should be obtained from a consultant who offers services in this specialized field.