EllisEnvironmental
a division of thevisiongroup inc.

May 15, 2017

Mr. Walt Baker, Director
Division of Water Quality
P.O. Box 144870
Salt Lake City, UT 84114-4870

Re: Amendment to Contaminant Investigation and Corrective Action Plan; Transwest Pick-A-Part, 3586 North 2000 West, Farr West, UT 84404

To Mr. Baker:
A report dated April 18, 2017 was submitted to Division of Water Quality for Contaminant Investigation and Corrective Action Plan at Transwest Pick-A-Part, 3586 North 2000 West, Farr West, UT 84404. The crusher area that is now fenced off and segregated from the rest of the property is suspected of being contaminated with diesel fuel. The report gave soil and groundwater sampling data collected with a push probe sampler. The sampling data were collected from soils characterized with clays and silts. These soils will at times exaggerate or concentrate hydrocarbons and yield results that are both inaccurate and higher than actual conditions.

The Contaminant Investigation and Corrective Action Plan identified data gaps that we wished to fill with the use of monitor wells. Collecting groundwater from a developed well is more accurate and more representative that from an open push probe boring. The disparity between the sample results obtained by the previous consultant, Enercon in January of this year and Ellis Environmental in March of this year is illustrative of the variation with open bore sampling from push probe technology. The ground was frozen when Enercon collected its samples and the soil would not have "squeezed" the petroleum from the silts and clays as was the case when the soil thawed 2 months later.

Sampling Bias
The bias of sampling is clear in comparing the Enercon, collected in January 2017 and Ellis Environmental samples collected in March 2017 in approximately the same location. The comparison was made with the groundwater sample south of the crusher pad identified by Enercon as SBGW4 and 2 of the Ellis Environmental groundwater samples near the pad identified as GP1 and GP2. SBGW4 reported diesel range organics (DRO) at 12 mg/L, while the results from GP1 is more than twice as high at 29.8 mg/L and GP2 is more than 13 times higher at 166 mg/L. The bias lies not in the sampler or the methodology, but in the season. The soil results do not correlate since the elevations of sampling differ between Enercon and Ellis Environmental.

It was concluded by Ellis Environmental that the quality of groundwater would best be determined by monitor wells established inside the crusher fenced lot. With 6 wells in place, more reliable samples were collected for analysis.

Sample Collection Areas

Two phases of site characterization ensued. In the first phase of investigation, soil and groundwater samples were first collected by Ellis Environmental. The crusher pond lot had been marked for underground utilities. Additionally, Jamie of Tesoro was on site to verify that we did not drill within 5 feet of the 8 inch diameter gas pipeline that runs through the contaminated soil, just west of the crusher pad.

On March 16, 2017, a surface water sample (WS14) was collected from the pond that remains after the south end of the crusher pad was removed. Seven soil borings were advanced using a GeoProbe 6822DT push probe. Samples were collected from 6 of those borings. Soil boring GP7, located east of the north building was discarded for lack of groundwater, which was the target medium. Locations GP1 through GP6 were located west of the former crusher pad and pond. All soil samples were analyzed for diesel range organics (DRO), the constituent of concern detected in excess by Enercon in January of this year.

Phase 2 of the investigation commenced with a hand auger boring on April 17, 2017, HB8/MW1. The other locations for monitor wells were too packed to advance through the soil with a hand auger. On April 19, 2017, 5 borings were advanced with a GeoProbe 6822DT push probe. All soil borings were developed for a monitor well. Each monitor well was purged on April 19, 2017.

Groundwater was sampled from all monitor wells on April 25, 2017 following another purge.

The weather on each of the days was mild, between 45 and 55 degrees Fahrenheit. Melt water was still on the ground. Wind was light to moderate, 5-15 mph from the north.

Soil boring HB8 was advanced on April 17, 2017 with a hand auger with 10 feet of vertical reach. MW1 is located at the west end of the property, near the concrete fence. A soil sample was collected from the bottom of the boring at 10 feet below ground surface (bgs). The boring stayed open and 10 feet of well casing was set into the boring. The casing included 5 feet of 0.01 inch slotted casing. The slotted casing was backfilled with 7 feet of coarse sand. Bentonite was backfilled to the surface. No surface completion was installed at this well.

An attempt to penetrate the packed gravel in other locations on the site failed, so a push probe rig was hired to advance the remaining 5 boreholes.

On April 19, 2017, Direct Push Services used a GeoProbe 6822DT, track push probe to advance a 2.25 inch diameter probe at each of the boring locations. Inside the probe barrel was housed a 5 foot long Teflon™ liner, used to capture the continuous soil sample. Each soil liner was retrieved from the subsurface, split with a knife and examined by the sampler for soil staining, soil color, soil grain and moisture content. The opened liner was photographed and numbered. Refer to the photo for each boring in Appendix B. One soil sample from each boring was collected for analysis. Each boring was completed with a 1 inch diameter casing. Length of the screen varied by well, but the slot thickness was consistently 0.01 inch.

Soil boring GP9/MW5 was advanced to 10 feet bgs. MW5 is located on the south side of the property near the steel fence. A soil sample for analysis was collected at 8-9 feet bgs. The boring was completed with a 7 foot section of screen. The blank casing was finished above grade with a slip cap.

Soil boring GP10/MW4 was advanced to 10 feet bgs. MW4 is located directly west of the crusher pond. A soil sample for analysis was collected at 7-8 feet bgs. The boring was completed with a 6 foot section of screen. The blank casing was completed with a flush mount well vault concreted into place.

Soil boring GP11/MW3 was advanced to 10 feet bgs. MW4 is located directly west of MW4. A soil sample for analysis was collected at 8-10 feet bgs. The boring was completed with a 7 foot section of screen. The blank casing was completed with a flush mount well vault concreted into place.

Soil boring GP12/MW2 was advanced to 10 feet bgs. MW2 is located between MW1 and MW3. A soil sample for analysis was collected at 7-9 feet bgs. The boring was completed with a 5 foot section of screen. The blank casing was completed with a flush mount well vault concreted into place.

Soil boring GP13/MW6 was advanced to 10 feet bgs. MW6 is located at the north wall, opposite MW5. A soil sample for analysis was collected at 9-10 feet bgs. The boring was completed with a 5 foot section of screen. The blank casing was finished above grade with a slip cap.

Sample Analytical Results

The soil samples collected 3/16/2017 were analyzed by American West Analytical Laboratories[1] for DRO using EPA Method 8015D. Groundwater samples were analyzed for DRO using Methods 8015D.

Soil samples collected on 4/17&19/2017 were analyzed by American West Analytical Laboratories for DRO using EPA Method 8015D and for MtBE, benzene, toluene, ethylbenzene, total xylenes and gasoline range organics (GRO) with EPA method 8260C. Groundwater samples were analyzed for DRO using Methods 8015D and for MtBE, benzene, toluene, ethylbenzene, total xylenes and GRO with EPA method 8260C.

The soil results from the monitor well borings are fairly consistent with the previous soil borings from the month before. Very little soil contamination was detected in the 6 soil borings. There are no exceedences of any current standard used by the state for evaluation of soil contamination.

[1] American West Analytical Laboratories is located at 3440 South 700 West, Salt Lake City, Utah. This facility is certified by the Utah Department of Heath under the Safe Drinking Water Act, the Clean Water Act and the Resource Conservation and Recovery Act. Certificate UT000312016-12 expires 5/31/2017.

The groundwater results from 3/16/2017 show excessively high groundwater GRO. The monitor wells show results from 4/25/2017 that are credible. The only monitor well in excess of the Tier 1 screening criteria is MW6. MW1 has no contaminants of concern above any current state standard. MW2,3,4&5 show DRO in excess of the Initial Screening Level (ISL), but below the Tier 1 screening criteria.

Groundwater flow direction and gradient

The areal distances between the monitor wells was measured and is accurately portrayed on the computer generated maps, figure xxx. The monitor wells were surveyed in relative to a 100 foot arbitrary benchmark. Static water level was measured before each well was purged. As can be seen in the area photos, there remains a significant amount of water on the surface, so the groundwater gradient has not yet established. The topographical gradient is to the west. It is expected that the gradient will establish itself in a month or so.

Comments and Recommendations

This is industrial ground. In our opinion, the Tier 1 screening criteria are appropriate for the use of this property. The contamination has not migrated off site and so there is no current risk to down gradient properties.

The soil is in no need of remediation.

The groundwater on the north side of the lot needs to be remediated. Soil can be excavated and groundwater treated with a combination of surfactant to move the water through the soil that must not be excavated and hydrogen peroxide may be dosed to the groundwater to combust both the surfactant and the DRO. This treatment method will work on this site. The limiting factor on this property are the buried utilities, the Tesoro gas line and the buried ditch, see Figure 1. This soil is quite tight. In-situ biosparge or gas extraction using Subsurface Metabolism Enhancement (SME, pat.#6,464,005) might take a long time to complete.

Time to completion with soil washing and chemical combustion is estimated at 4 weeks. Cost for this project is estimated at $50,000.

Sincerely,

Mark T. Ellis

Mark T. Ellis
Environmental Professional

David B. Johnson, P.E., PLS, MBA

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Appendix A

Maps

Utah.gov Services Agencies

Figure 1, Transwest Pick-A-Part. Utilities buried near the Crusher Pond; utilities outside the west fence are not shown

Figure 2. Pick-A-Part. Approximate site Investigation sample locations 3/16, 4/17 & 4/19/2017. Note that a new steel fence was erected during the investigation.

Ellis Environmental

dwg	TranswestPicAPrt
drawn by	mte
date	3/22/2017
PROJECT NAME	Transwest Pic-A-Part
PROJECT #	A17-1983
Fig #	3
REVISED BY	mte
REVISION # & DATE	rv.1 20170505

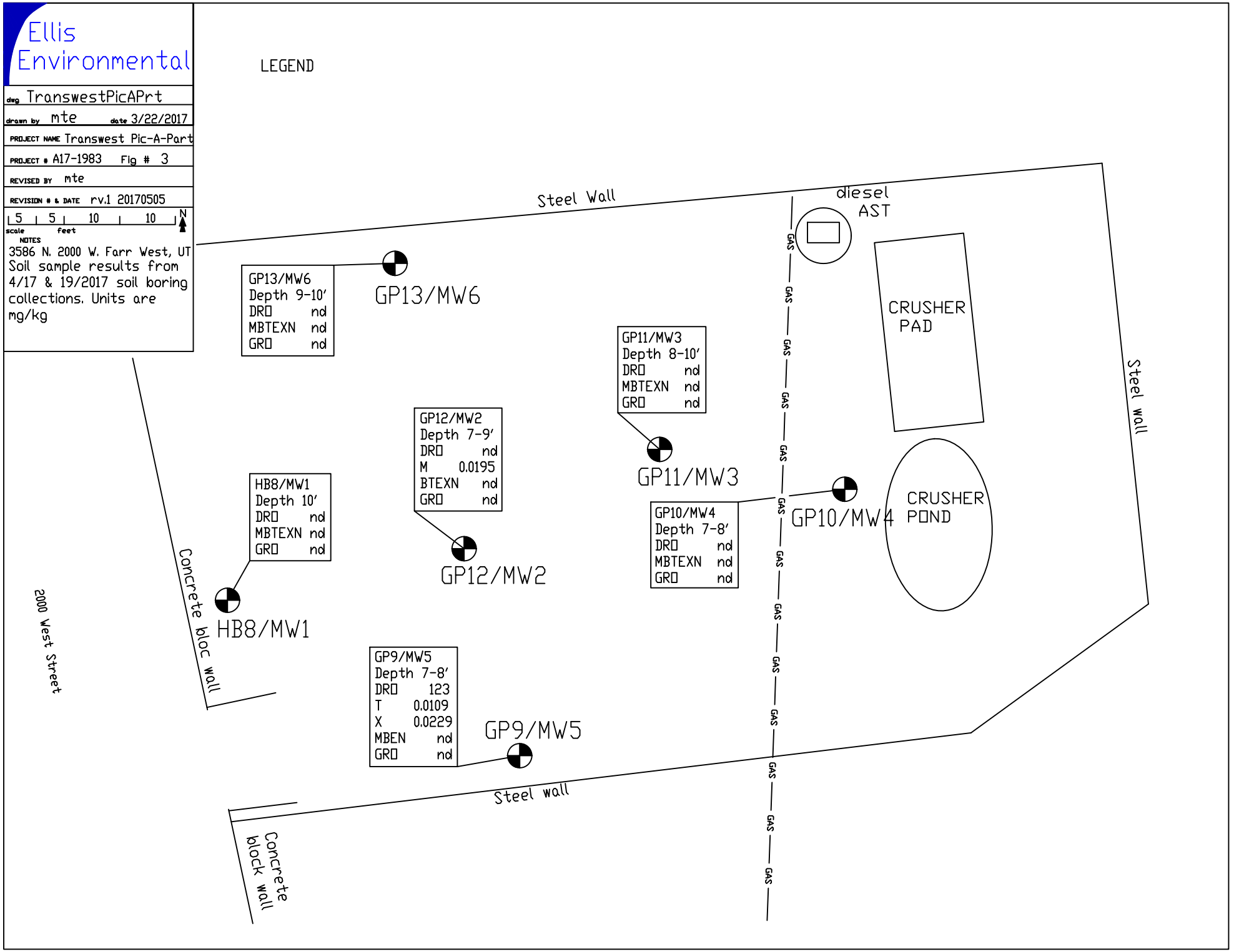
scale 5 | 5 | 10 | 10 feet

N

NOTES

3586 N. 2000 W. Farr West, UT
Soil sample results from 4/17 & 19/2017 soil boring collections. Units are mg/kg

LEGEND



Ellis Environmental

dwg	TranswestPicAPrt
drawn by	mte
date	3/22/2017
PROJECT NAME	Transwest Pic-A-Part
PROJECT #	A17-1983
Fig #	4
REVISED BY	mte
REVISION # & DATE	rv.1 20170505

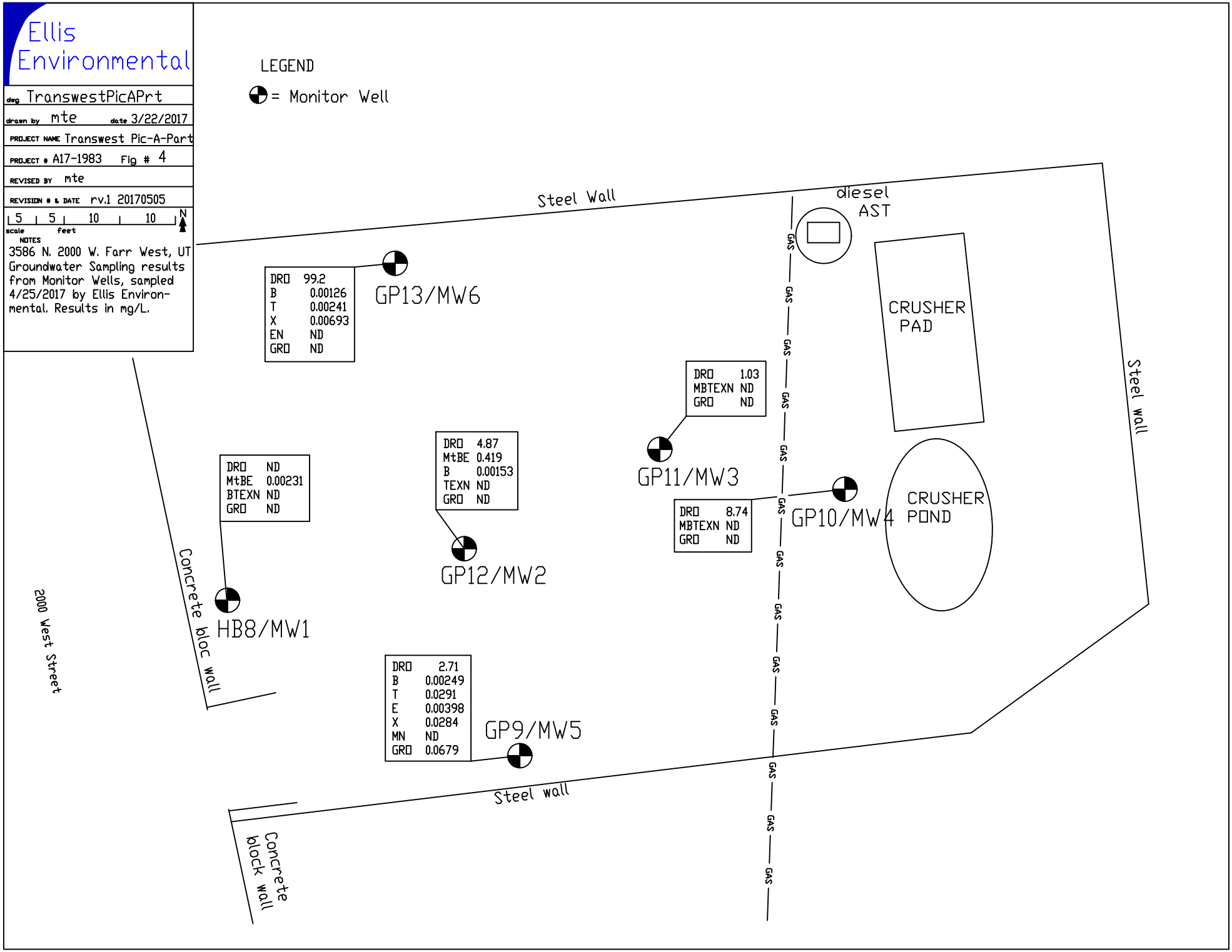
5 | 5 | 10 | 10 scale feet N

NOTES

3586 N. 2000 W. Farr West, UT Groundwater Sampling results from Monitor Wells, sampled 4/25/2017 by Ellis Environmental. Results in mg/L.

LEGEND

= Monitor Well



Ellis Environmental

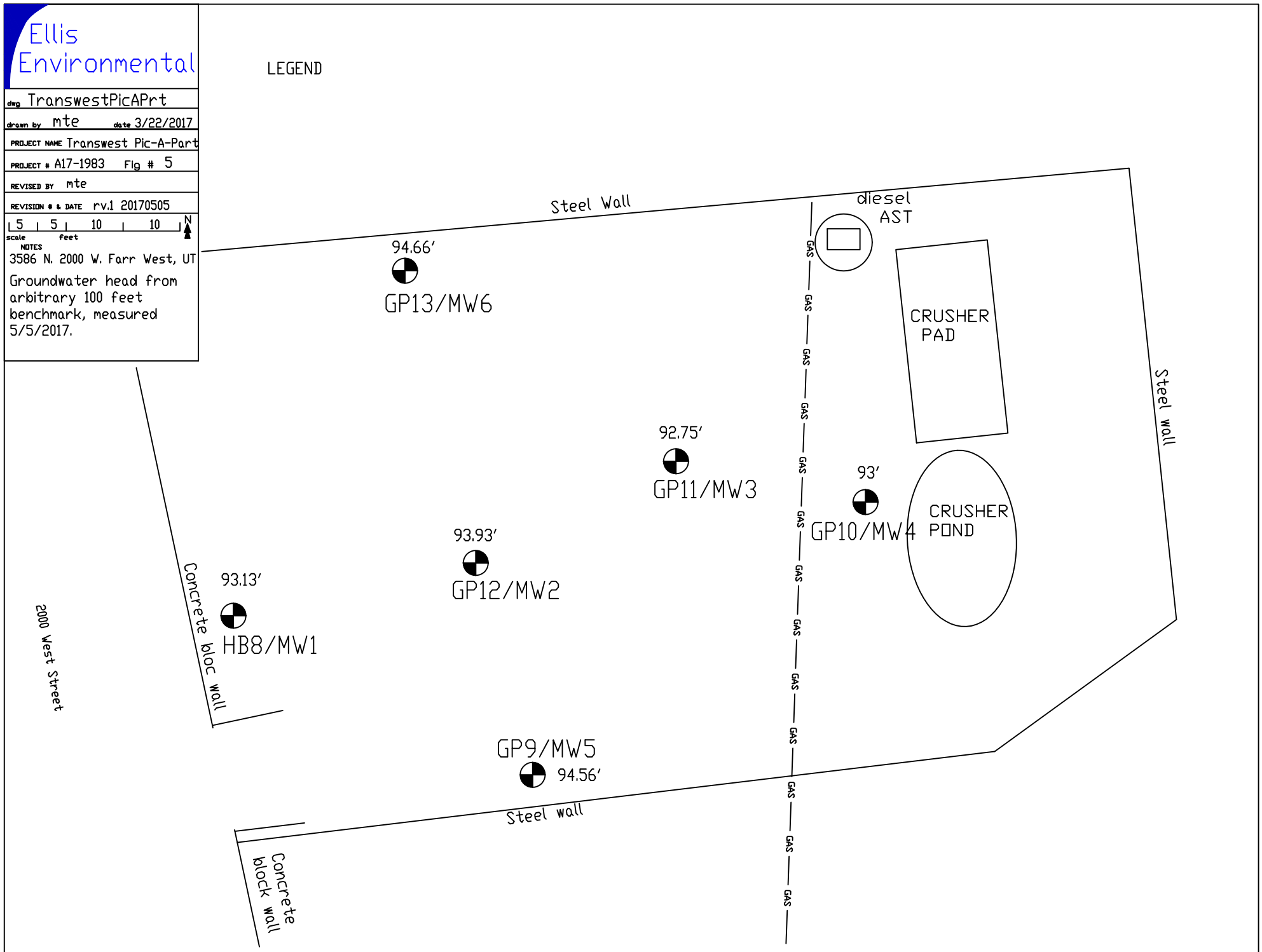
dwg	TranswestPicAPrt
drawn by	mte
date	3/22/2017
PROJECT NAME	Transwest Pic-A-Part
PROJECT #	A17-1983
Fig #	5
REVISED BY	mte
REVISION # & DATE	rv.1 20170505

5 | 5 | 10 | 10 N
scale feet

NOTES

3586 N. 2000 W. Farr West, UT

Groundwater head from arbitrary 100 feet benchmark, measured 5/5/2017.



Appendix B

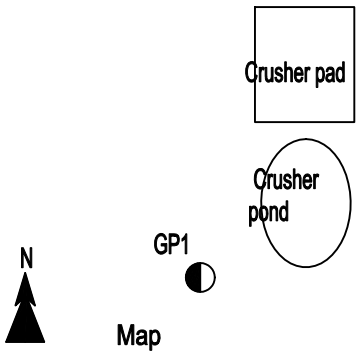
Documents

Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP1
Location: SW of crusher pond
Date: 16 March 2017
Start time: 1000
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Map

Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0						
0		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
2		Clayey silt				
3		Brown Clay				
4						
5		Dark brown silt, moist				
6		SS1 @ 6-7'				
7						
8		Brown plastic clay				
9		WS2				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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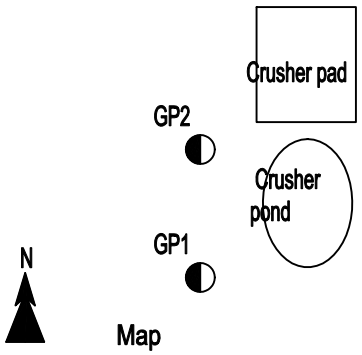
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP2
Location: NW of crusher pond
Date: 16 March 2017
Start time: 1034
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Map

Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
2		Dark brown clay HC odor SS3 @ 2-3'				
3						HC odor
4		Sand Lens				Narrow band of saturated soil
5		Gray silt				dry Saturated soil
6						
7		Silty clay, dark gray				
8		SS4 @ 7-9'				Slight HC odor
9		Clay, brown, plastic				
10		WS5				End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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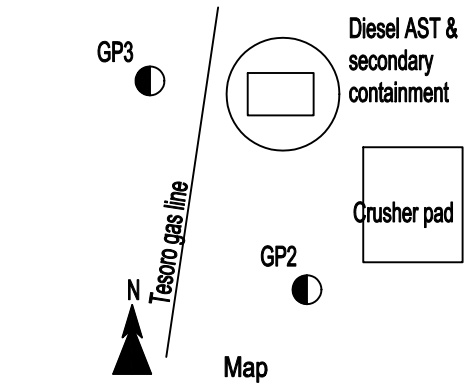
Soil Boring Log

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP3
Location: W of Diesel AST
Date: 16 March 2017
Start time: 1058
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1		SS6 @ 1-2'				
2		Clay, red brown				HC odor
3						
4						no HC odor
5						
6						
7						
8		Sand, coarse, yellow brown				
9		Clay, red brown				Stained, no odor
10		WS7				End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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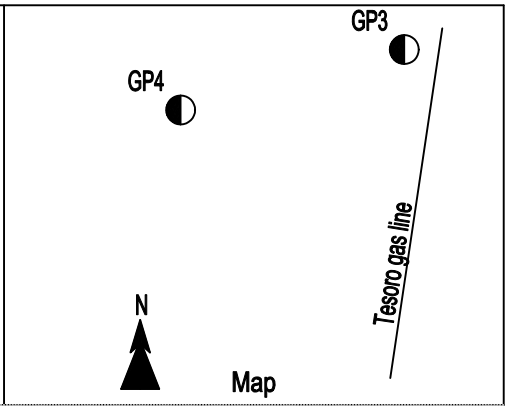
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP4
Location: North Sample Point, 2nd transect
Date: 16 March 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0						
		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
		Clay, light brown				
2						
3					▼	
4						
5					▲	soil dry 5-7'
6						
7					▼	
		SS8 @ 7-8'	▮			Black stain, slight HC odor
8		Silt, black				
9						
		GW9	●			End of Boring
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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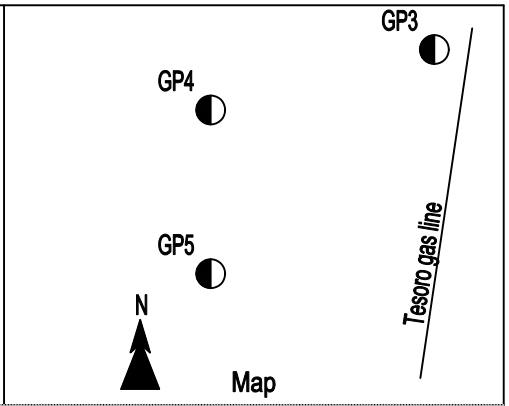
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP5
Location: Central Sample on 2nd transect
Date: 16 March 2017
Start time: 1158
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
2		Clay, red				
3						
4		Clay, gray			▼	
5						
6		Silt, gray				No odors
7		SS10 @ 6-7'	■			
8						
9		Clay, red				
10		GW11	●			End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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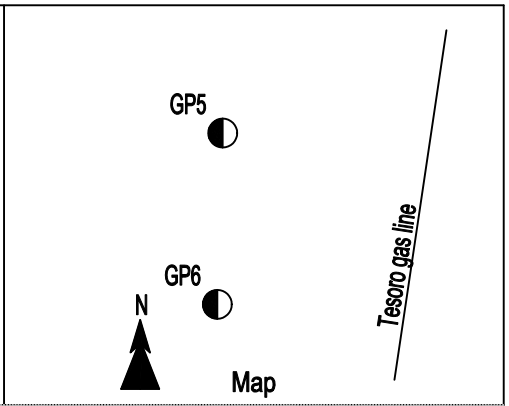
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP6
Location: 2nd transect, south sample point
Date: 16 March 2017
Start time: 1222
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
2						
3		Clay, red				
4						No odors
5		SS12 @ 5-6'				
6						
7						
8						
9		GW13				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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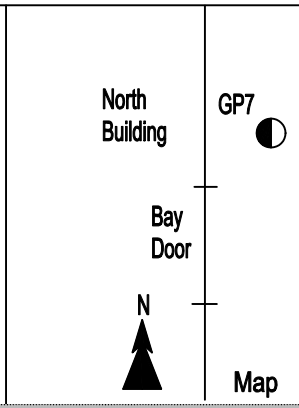
Ellis Environmental

Soil Boring Log

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push
Boring method: Push Probe, Geoprobe

Drill Machine: Geoprobe 7822DT
Boring: GP7
Location: E side, N bldg, N of bay door
Date: 16 March 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0						
		Gravel/Roadbase				Gravel/Roadbase wet with snowmelt water
1						
2						
		Clay, gray				
3						
						moist 4-5', not saturated
4		SS15 @ 4-5'				
						SS15 discarded at Lab
5						
						moist 6-7', not saturated
6						
7						
		Clay, red				
8						
						No GW yeild for sampling
9						
						End of Boring
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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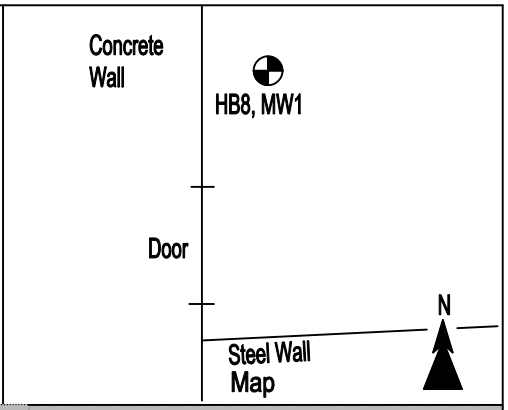
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Ellis Environmental
Boring method: Hand Auger

Drill Machine: AMS
Boring: HB8, MW1
Location: E side, N bldg, N of bay door
Date: 17 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 3.25 Inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase			Bentonite seal	
1						
2						
3		Clay, red		3/4 Inch blank		
4						GW @ 4'
5				Dry Fit Conxn		
6				0.01 Screen		
7					Coarse Sand	
8		Clay, gray				
9		SS16 @ 10'				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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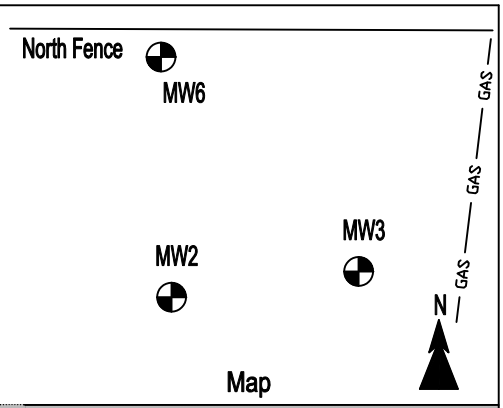
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push Services
Boring method: Push Probe

Drill Machine: Geoprobe 7822 DT
Boring: GP13, MW6
Location: N of MW2 next to fence
Date: 19 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 Inch



Map

Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				
1					Bentonite seal	
2		Red Clay				
3				1 Inch blank		
4						
5						Moist, not GW
6		Red Clay, some Sand		0.01 Screen		
7		Dark gray Clay & Sand			Driller Sand	
8						
9		Red Clay SS25 @ 9-10'				
10		Dark Gray Clay				End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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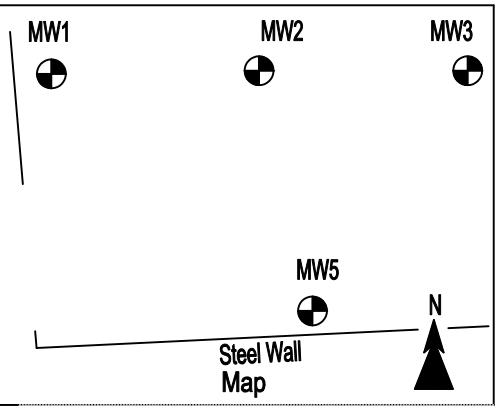
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push Services
Boring method: Push Probe

Drill Machine: Geoprobe 7822 DT
Boring: GP12, MW2
Location: Midway between MW1&3
Date: 19 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 Inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase			Concrete	Flush Mount Well Vault
1					Bentonite seal	
2						
3		Red Clay		1 Inch blank		
4						
5						
6				0.01 Screen		GW @ 6'
7		Sandy, dark gray clay			Driller Sand	
8			SS24 @ 7-9'			
9		Red Clay				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

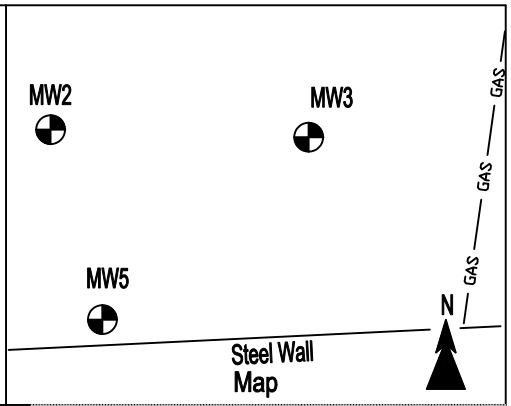
Ellis Environmental P.O. Box 215 Lehi, Utah 84043-0215 (801) 768-0675 Fax (801) 768-0677

Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push Services
Boring method: Push Probe

Drill Machine: Geoprobe 7822 DT
Boring: GP11, MW3
Location: W of Crusher Pond
Date: 19 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 Inch



Map

Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase			Concrete	Flush Mount Well Vault
1				1 Inch blank	Bentonite seal	
2						
3		Red Clay				
4						
5		Dark Gray Clay				GW @ 5'
6				0.01 Screen		
7		Sand & Clay			Driller Sand	
8		SS23 @ 8-10'				
9		Red Clay				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

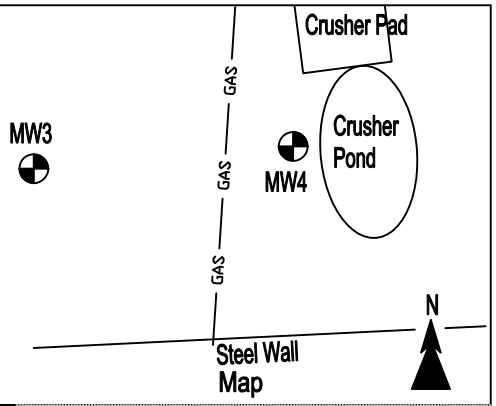
Ellis Environmental P.O. Box 215 Lehi, Utah 84043-0215 (801) 768-0675 Fax (801) 768-0677

Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push Services
Boring method: Push Probe

Drill Machine: Geoprobe 7822 DT
Boring: GP10, MW4
Location: SW corner of crusher pond
Date: 19 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 Inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase			Concrete	Flush Mount Well Vault
1						
2				1 Inch blank	Bentonite seal	
3		Clay, Moist				
4						GW @ 3.5'?
5						
6				0.01 Screen		
7		Clay, some sand SS22 @ 7-8'			Driller Sand	
8						
9		Clay				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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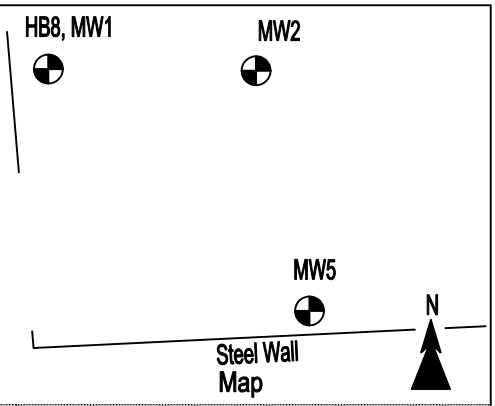
Soil Boring Log

Ellis Environmental

Project: Transwest Pick-A-Part
Location: 3586 N 2000 W, Farr West, UT
Project No: A17-1983
Client: Transwest Auto
Drilling Co: Direct Push Services
Boring method: Push Probe

Drill Machine: Geoprobe 7822 DT
Boring: GP9, MW5
Location: S side next to steel fence
Date: 19 April 2017
Start time: nr
Sampler: Joseph Ellis
Sampling method: Grab
Bore diameter: 2.25 Inch



Depth/ft	Symbol	Description	Sample data	Well configuration	Well Data	Remarks
0		Gravel/Roadbase				
1						
2					Bentonite seal	
3		Clay, Gravel		1 Inch blank		
4						
5		Clay				
6				0.01 Screen		
7					Driller Sand	GW @ 7'
8		SS21 @ 8-9'				
9		Sand & Clay				
10						End of Boring
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

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Appendix C

Laboratory Reports

Mark Ellis
The Vision Group, Inc.
P.O. Box 215
Lehi, UT 84043
TEL: (801) 768-0675

RE: Transwest Pick-A-Part / 1983

Dear Mark Ellis: Lab Set ID: 1703332

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 3/16/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2017.03.28 17:02:36 -06'00'

Laboratory Director or designee

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-001A
Client Sample ID: 1 - GP1 @ 6-7'
Collection Date: 3/16/2017 1005h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1044h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	27.2	**89.2**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	24.2	45.33	53.5	10-122	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-002A
Client Sample ID: 2 - GP1
Collection Date: 3/16/2017 1020h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1250h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.511	**29.8**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.23	1.169	105	27-182	H

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-003A
Client Sample ID: 3 - GP2 @ 2-3'
Collection Date: 3/16/2017 1040h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1144h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	24.0	**113**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	35.0	40.04	87.5	10-122	

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-004A
Client Sample ID: 4 - GP2 @ 7-9'
Collection Date: 3/16/2017 1045h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1403h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	26.3	**39.7**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	24.5	43.82	55.9	10-122	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-005A
Client Sample ID: 5 - GP2
Collection Date: 3/16/2017 1055h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1310h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.500	**166**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.95	1.142	171	27-182	H

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-006A
Client Sample ID: 6 - GP3 @ 1-2'
Collection Date: 3/16/2017 1100h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1204h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	24.1	**72.4**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	22.8	40.17	56.7	10-122	

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Jose Rocha
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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-007A
Client Sample ID: 7 - GP3
Collection Date: 3/16/2017 1110h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1329h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.501	**24.2**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.47	1.145	129	27-182	H

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-008A
Client Sample ID: 8 - GP4 @ 7-8'
Collection Date: 3/16/2017 1130h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1423h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	28.9	**103**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	26.9	48.23	55.8	10-122	

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-009A
Client Sample ID: 9 - GP4
Collection Date: 3/16/2017 1136h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1230h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.496	**2.02**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.21	1.133	107	27-182	H

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-010A
Client Sample ID: 10 - GP5 @ 6-7'
Collection Date: 3/16/2017 1210h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1224h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	27.7	**267**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	21.9	46.11	47.5	10-122	

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-011A
Client Sample ID: 11 - GP5
Collection Date: 3/16/2017 1215h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1250h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.543	**106**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	2.28	1.241	184	27-182	SH

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.
S - High surrogate recovery attributed to TPH interference. The method is in control as indicated by the method blank and LCS.

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-012A
Client Sample ID: 12 - GP6 @ 5-6'
Collection Date: 3/16/2017 1235h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1144h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	25.4	**105**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	25.9	42.41	61.1	10-122	

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-013A
Client Sample ID: 13 - GP6
Collection Date: 3/16/2017 1240h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/28/2017 1310h **Extracted:** 3/28/2017 1000h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.496	**32.6**	H

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.25	1.133	111	27-182	H

H - The initial preparation of this sample was completed within the hold time. Due to quality control issues the sample required repreparation and reanalysis outside the holding time.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-014A
Client Sample ID: 14 - Crusher Pond
Collection Date: 3/16/2017 1245h
Received Date: 3/16/2017 1527h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 3/20/2017 1324h **Extracted:** 3/17/2017 830h
Units: mg/L **Dilution Factor:** 100 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	49.7	**603**	[2]

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.606	0.5685	107	10-152	

[2] - Analyte concentration is too high for accurate matrix spike recovery.
The reporting limits were raised due to high analyte concentrations.

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1703332-015A
Client Sample ID: 15 - GP7 @ 4-5'
Collection Date: 3/16/2017 1310h
Received Date: 3/16/2017 1527h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 3/20/2017 1204h **Extracted:** 3/17/2017 734h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	24.5	< 24.5	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	25.7	40.78	63.0	10-122	

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories

REVISED 3-27-17 changed to a next Day Rush, per mark. el

Rpt Emailed: RUSH P2

WORK ORDER Summary

Work Order: **1703332** Page 1 of 2

Client: The Vision Group, Inc.
Due Date: 3/28/2017
Client ID: ELL110 **Contact:** Mark Ellis
Project: **Transwest Pick-A-Part / 1983** **QC Level:** I **WO Type:** Standard
Comments: 3-27-17 changed to a Next Day Rush, per Mark;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1703332-001A	**1 - GP1 @ 6-7'**	3/16/2017 1005h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-002A	**2 - GP1**	3/16/2017 1020h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-003A	**3 - GP2 @ 2-3'**	3/16/2017 1040h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-004A	**4 - GP2 @ 7-9'**	3/16/2017 1045h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-005A	**5 - GP2**	3/16/2017 1055h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-006A	**6 - GP3 @ 1-2'**	3/16/2017 1100h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-007A	**7 - GP3**	3/16/2017 1110h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-008A	**8 - GP4 @ 7-8'**	3/16/2017 1130h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				

Printed: 3/27/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1703332**

Client: The Vision Group, Inc. Due Date: 3/28/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1703332-008A	**8 - GP4 @ 7-8'**	3/16/2017 1130h	3/16/2017 1527h	**PMOIST**	Soil	☐	df - tph /pmoist	2
1703332-009A	**9 - GP4**	3/16/2017 1136h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-010A	**10 - GP5 @ 6-7'**	3/16/2017 1210h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-011A	**11 - GP5**	3/16/2017 1215h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-012A	**12 - GP6 @ 5-6'**	3/16/2017 1235h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	
1703332-013A	**13 - GP6**	3/16/2017 1240h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-014A	**14 - Crusher Pond**	3/16/2017 1245h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous	☐	df - tph	3
				8015-W-TPH-3511		☑	df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-015A	**15 - GP7 @ 4-5'**	3/16/2017 1310h	3/16/2017 1527h	**3546-TPH-PR**	Soil	☐	df - tph /pmoist	2
				8015-S-TPH-3546		☑	df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST		☐	df - tph /pmoist	

American West Analytical Laboratories

Rpt Emailed: P2

WORK ORDER Summary

Work Order: **1703332**

Client: The Vision Group, Inc. Due Date: 3/30/2017

Client ID: ELL110 **Contact:** Mark Ellis

Project: **Transwest Pick-A-Part / 1983** **QC Level:** I WO Type: Standard

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1703332-001A	**1 - GP1 @ 6-7'**	3/16/2017 1005h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist	2
				8015-S-TPH-3546			df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph /pmoist	
1703332-002A	**2 - GP1**	3/16/2017 1020h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph	3
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-003A	**3 - GP2 @ 2-3'**	3/16/2017 1040h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist	2
				8015-S-TPH-3546			df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph /pmoist	
1703332-004A	**4 - GP2 @ 7-9'**	3/16/2017 1045h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist	2
				8015-S-TPH-3546			df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph /pmoist	
1703332-005A	**5 - GP2**	3/16/2017 1055h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph	3
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-006A	**6 - GP3 @ 1-2'**	3/16/2017 1100h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist	2
				8015-S-TPH-3546			df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph /pmoist	
1703332-007A	**7 - GP3**	3/16/2017 1110h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph	3
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1703332-008A	**8 - GP4 @ 7-8'**	3/16/2017 1130h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist	2
				8015-S-TPH-3546			df - tph /pmoist	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				

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WORK ORDER Summary

Work Order: **1703332**

Client: The Vision Group, Inc.

Due Date: 3/30/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1703332-008A	**8 - GP4 @ 7-8'**	3/16/2017 1130h	3/16/2017 1527h	**PMOIST**	Soil		df - tph /pmoist 2
1703332-009A	**9 - GP4**	3/16/2017 1136h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph 3
				8015-W-TPH-3511			df - tph
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1			
1703332-010A	**10 - GP5 @ 6-7'**	3/16/2017 1210h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist 2
				8015-S-TPH-3546			df - tph /pmoist
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1			
				PMOIST			df - tph /pmoist
1703332-011A	**11 - GP5**	3/16/2017 1215h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph 3
				8015-W-TPH-3511			df - tph
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1			
1703332-012A	**12 - GP6 @ 5-6'**	3/16/2017 1235h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist 2
				8015-S-TPH-3546			df - tph /pmoist
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1			
				PMOIST			df - tph /pmoist
1703332-013A	**13 - GP6**	3/16/2017 1240h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph 3
				8015-W-TPH-3511			df - tph
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1			
1703332-014A	**14 - Crusher Pond**	3/16/2017 1245h	3/16/2017 1527h	**3511-TPH-PR**	Aqueous		df - tph 3
				8015-W-TPH-3511			df - tph
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1			
1703332-015A	**15 - GP7 @ 4-5'**	3/16/2017 1310h	3/16/2017 1527h	**3546-TPH-PR**	Soil		df - tph /pmoist 2
				8015-S-TPH-3546			df - tph /pmoist
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1			
				PMOIST			df - tph /pmoist

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1703332
AWAL Lab Sample Set #

Page 1 of 2

Client:	Ellis Environmental
Address:	2610 W. 300 N.
City, State, Zip:	Lehi, UT 84043
Contact:	Mark Ellis
Phone #:	801-768-0675 Cell #:
E-mail:	MarkEllis@EllisEnv.com
Project Name:	Transwest Pick A Path
Project #:	1983
PO #:	
Sampler Name:	Joseph Ellis

QC Level: (1) 2 2+ 3 3+

Turn Around Time: 1 2 3 4 5 (Stnd)

Unless other arrangements have been made, signed reports will be emailed by **5:00 pm** on the day they are due.

Due Date: 3/30/17

- ☐ Report down to the MDL
- ☐ Include EDD:
- ☐ Lab Filter for:
- ☐ Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	DRO										Known Hazards & Sample Comments
1	1-GP1@6-7'	3-16-17	1005	2	S	X										
2	2-GP1	3-16-17	1020	3	W	X										
3	3-GP2@2-3'	3-16-17	1040	2	S	X										
4	4-GP2@7-9'	3-16-17	1045	2	S	X										
5	5-GP2	3-16-17	1055	3	W	X										
6	6-GP3@1-2'	3-16-17	1100	2	S	X										
7	7-GP3	3-16-17	1110	3	W	X										
8	8-GP4@7-8'	3-16-17	1130	2	S	X										
9	9-GP4	3-16-17	11.36	3	W	X										
10	10-GP5@6-7'	3-16-17	1210	2	S	X										
11	11 GP5	3-16-17	1215	3	W	X										
12	12 GP6@5-6'	3-16-17	1235	2	S	X										
13	13 GP6@	3-16-17	1240	3	W	X										

Laboratory Use Only

Samples Were:
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 9.6 °C
4. Received Broken/Leaking (Improperly Sealed) Y (N)
5. Properly Preserved (Y) N Checked at bench
6. Received Within Holding Times (Y) N

COC Tape Was:
1. Present on Outer Package Y N (NA)
2. Unbroken on Outer Package Y N (NA)
3. Present on Sample Y N (NA)
4. Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature		Received by: Signature	Denise Brown
Print Name:	Joseph H. Ellis	Print Name:	Denise Brown
Date:	3-16-17	Date:	3/16/17
Time:	1527	Time:	1527
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	

Special Instructions:

3/27/17 changed to a Next Day Rush, per Mark. ej

American West Analytical Laboratories

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1703332
AWAL Lab Sample Set #

Page 2 of 2

QC Level: (1) 2 2+ 3 3+

Turn Around Time: 1 2 3 4 5 (Stnd)

Unless other arrangements have been made, signed reports will be emailed by **5:00 pm** on the day they are due.

Due Date: 3/30/17

Client: Ellis Environmental

Address:

City, State, Zip:

Contact:

Phone #: Cell #:

E-mail:

Project Name:

Project #:

PO #:

Sampler Name:

- ☐ Report down to the MDL
- ☐ Include EDD:
- ☐ Lab Filter for:
- ☐ Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	D120	Known Hazards & Sample Comments
1	14 - Crusher Pond	3-16-17	1245	3	W	X	
2	15 - GW7 (4-5')	3-16-17	1310	2	S	X	← Cancel per Joseph Ellis DB 3/16/17 3/17/17 DB 3/17/17
3							
4							
5							
6							
7							
8							- Already run it will be reported out so do not cancel - DB 3/17/17
9							
10							
11							
12							
13							

Laboratory Use Only

Samples Were:
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 9.6 °C
4. Received Broken/Leaking (Improperly Sealed) Y (N)
5. Properly Preserved (Y) N Checked at bench
6. Received Within Holding Times (Y) N

COC Tape Was:
1. Present on Outer Package Y N (NA)
2. Unbroken on Outer Package Y N (NA)
3. Present on Sample Y N (NA)
4. Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature		Date: 3-16-17	Received by: Signature: Denise Brown
Print Name: Joseph H. Ellis		Time: 1527	Print Name: Denise Brown
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:

Received by: Signature: Denise Brown	Date: 3/16/17
Print Name: Denise Brown	Time: 1527
Received by: Signature	Date:
Print Name:	Time:
Received by: Signature	Date:
Print Name:	Time:
Received by: Signature	Date:
Print Name:	Time:

Special Instructions:

Mark Ellis
The Vision Group, Inc.
P.O. Box 215
Lehi, UT 84043
TEL: (801) 768-0675

RE: Transwest Pick-A-Part / 1983

Dear Mark Ellis: Lab Set ID: 1704400

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 4/19/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha
Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2017.05.01 09:59:40 -06'00'

Laboratory Director or designee

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-001B
Client Sample ID: #1 GP9 @ 7-8'
Collection Date: 4/19/2017 1235h
Received Date: 4/19/2017 1741h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/20/2017 1120h **Extracted:** 4/20/2017 802h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	25.3	**123**	@

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	22.9	42.13	54.3	10-122	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-002B
Client Sample ID: #2 GP10 @ 7-8'
Collection Date: 4/19/2017 1320h
Received Date: 4/19/2017 1741h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/20/2017 1218h **Extracted:** 4/20/2017 802h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	26.1	< 26.1	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	29.6	43.46	68.2	10-122	

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-003B
Client Sample ID: #3 GP11 @ 8-10'
Collection Date: 4/19/2017 1405h
Received Date: 4/19/2017 1741h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/20/2017 1237h **Extracted:** 4/20/2017 802h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	25.0	< 25.0	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	28.6	41.73	68.6	10-122	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-004B
Client Sample ID: #4 GP12 @ 7-9'
Collection Date: 4/19/2017 1430h
Received Date: 4/19/2017 1741h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/20/2017 1257h **Extracted:** 4/20/2017 802h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	25.8	< 25.8	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	30.3	42.98	70.6	10-122	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-005B
Client Sample ID: #5 GP13 @ 9-10'
Collection Date: 4/19/2017 1500h
Received Date: 4/19/2017 1741h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/20/2017 1316h **Extracted:** 4/20/2017 802h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	24.6	< 24.6	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	23.3	40.98	56.8	10-122	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-001A
Client Sample ID: #1 GP9 @ 7-8'
Collection Date: 4/19/2017 1235h
Received Date: 4/19/2017 1741h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/19/2017 1827h
Units: mg/kg-dry **Dilution Factor:** 2.51 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00317	< 0.00317	
Ethylbenzene	100-41-4	0.00635	< 0.00635	
Methyl tert-butyl ether	1634-04-4	0.00635	< 0.00635	
Naphthalene	91-20-3	0.00635	< 0.00635	
Toluene	108-88-3	0.00635	**0.0109**	
TPH C6-C10 (GRO)		0.0635	< 0.0635	
Xylenes, Total	1330-20-7	0.00635	**0.0229**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.150	0.1586	94.8	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.164	0.1586	104	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.147	0.1586	92.7	60-145	
Surr: Toluene-d8	2037-26-5	0.164	0.1586	103	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-002A
Client Sample ID: #2 GP10 @ 7-8'
Collection Date: 4/19/2017 1320h
Received Date: 4/19/2017 1741h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/19/2017 1848h
Units: mg/kg-dry **Dilution Factor:** 2.56 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00335	< 0.00335	
Ethylbenzene	100-41-4	0.00671	< 0.00671	
Methyl tert-butyl ether	1634-04-4	0.00671	< 0.00671	
Naphthalene	91-20-3	0.00671	< 0.00671	
Toluene	108-88-3	0.00671	< 0.00671	
TPH C6-C10 (GRO)		0.0671	< 0.0671	
Xylenes, Total	1330-20-7	0.00671	< 0.00671	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.148	0.1677	88.1	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.182	0.1677	109	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.153	0.1677	91.5	60-145	
Surr: Toluene-d8	2037-26-5	0.178	0.1677	106	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-003A
Client Sample ID: #3 GP11 @ 8-10'
Collection Date: 4/19/2017 1405h
Received Date: 4/19/2017 1741h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/19/2017 1908h
Units: mg/kg-dry **Dilution Factor:** 2.43 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00306	< 0.00306	
Ethylbenzene	100-41-4	0.00612	< 0.00612	
Methyl tert-butyl ether	1634-04-4	0.00612	< 0.00612	
Naphthalene	91-20-3	0.00612	< 0.00612	
Toluene	108-88-3	0.00612	< 0.00612	
TPH C6-C10 (GRO)		0.0612	< 0.0612	
Xylenes, Total	1330-20-7	0.00612	< 0.00612	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.146	0.1531	95.6	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.165	0.1531	108	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.140	0.1531	91.3	60-145	
Surr: Toluene-d8	2037-26-5	0.160	0.1531	105	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-004A
Client Sample ID: #4 GP12 @ 7-9'
Collection Date: 4/19/2017 1430h
Received Date: 4/19/2017 1741h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/19/2017 1928h
Units: mg/kg-dry **Dilution Factor:** 2.43 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00314	< 0.00314	
Ethylbenzene	100-41-4	0.00629	< 0.00629	
Methyl tert-butyl ether	1634-04-4	0.00629	**0.0195**	
Naphthalene	91-20-3	0.00629	< 0.00629	
Toluene	108-88-3	0.00629	< 0.00629	
TPH C6-C10 (GRO)		0.0629	< 0.0629	
Xylenes, Total	1330-20-7	0.00629	< 0.00629	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.149	0.1572	95.0	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.163	0.1572	104	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.145	0.1572	92.1	60-145	
Surr: Toluene-d8	2037-26-5	0.160	0.1572	102	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

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Kyle F. Gross
Laboratory Director

Jose Rocha
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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704400-005A
Client Sample ID: #5 GP13 @ 9-10'
Collection Date: 4/19/2017 1500h
Received Date: 4/19/2017 1741h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/19/2017 1949h
Units: mg/kg-dry **Dilution Factor:** 2.5 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00309	< 0.00309	
Ethylbenzene	100-41-4	0.00618	< 0.00618	
Methyl tert-butyl ether	1634-04-4	0.00618	< 0.00618	
Naphthalene	91-20-3	0.00618	< 0.00618	
Toluene	108-88-3	0.00618	< 0.00618	
TPH C6-C10 (GRO)		0.0618	< 0.0618	
Xylenes, Total	1330-20-7	0.00618	< 0.00618	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.149	0.1544	96.5	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.161	0.1544	104	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.140	0.1544	90.7	60-145	
Surr: Toluene-d8	2037-26-5	0.158	0.1544	102	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories

Rpt Emailed: P2

WORK ORDER Summary

Work Order: **1704400**

Client: The Vision Group, Inc. Due Date: 5/3/2017

Client ID: ELL110 **Contact:** Mark Ellis

Project: **Transwest Pick-A-Part / 1983** **QC Level:** I WO Type: Standard

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1704400-001A	**#1 GP9 @ 7-8'**	4/19/2017 1235h	4/19/2017 1741h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704400-001B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	
1704400-002A	**#2 GP10 @ 7-8'**	4/19/2017 1320h	4/19/2017 1741h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704400-002B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	
1704400-003A	**#3 GP11 @ 8-10'**	4/19/2017 1405h	4/19/2017 1741h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704400-003B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	
1704400-004A	**#4 GP12 @ 7-9'**	4/19/2017 1430h	4/19/2017 1741h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704400-004B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	
1704400-005A	**#5 GP13 @ 9-10'**	4/19/2017 1500h	4/19/2017 1741h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704400-005B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	

Printed: 4/19/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Client: The Vision Group, Inc.

Due Date: 5/3/2017

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CHAIN OF CUSTODY

1704400
AWAL Lab Sample Set #

Page ____ of ____

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level: 1 2 2+ 3 3+

Turn Around Time: 1 2 3 4 5 (Stnd)

Unless other arrangements have been made, signed reports will be emailed by **5:00 pm** on the day they are due.

Due Date: 5/3/17

Client: Ellis Environmental
Address: 2610 W. 300 N.
City, State, Zip: Lehi, UT 84043
Contact: Mark Ellis
Phone #: 801-768-0675 Cell #:
E-mail: MarkEllis@EllisEnviro.com
Project Name: Transwest Pick a part
Project #: 1983
PO #:
Sampler Name: Joseph Ellis

- ☐ Report down to the MDL
- ☐ Include EDD:
- ☐ Lab Filter for:
- ☐ Field Filtered For:

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

Known Hazards & Sample Comments

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	DRO	GRO	MBTEX
1	#1 GP9 @ 7-8'	4-19-17	1235	2	S	X	X	X
2	#2 GP10 @ 7-8'	4-19-17	1320	2	S	X	X	X
3	#3 GP11 @ 8-10'	4-19-17	1405	2	S	X	X	X
4	#4 GP12 @ 7-9'	4-19-17	1430	2	S	X	X	X
5	#5 GP13 @ 9-10	4-19-17	1500	2	S	X	X	X
6								
7								
8								
9								
10								
11								
12								
13								

Laboratory Use Only

Samples Were:
1 Shipped or Hand delivered
2 Ambient or Chilled
3 Temperature 7.6 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N Checked at bench
6 Received Within Holding Times (Y) N

COC Tape Was:
1 Present on Outer Package (NA)
2 Unbroken on Outer Package (NA)
3 Present on Sample (NA)
4 Unbroken on Sample (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature		Date: 4-19-17	Received by: Signature	Denise Braun	Date: 4/19/17
Print Name:	Joseph H. Ellis	Time: 1741	Print Name:	Denise Braun	Time: 1741
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:

Special Instructions:

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Mark Ellis
The Vision Group, Inc.
P.O. Box 215
Lehi, UT 84043
TEL: (801) 768-0675

RE: Transwest Pick-A-Part / 1983

Dear Mark Ellis: Lab Set ID: 1704308

American West Analytical Laboratories received sample(s) on 4/17/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2017.04.21 16:28:37 -06'00'

Laboratory Director or designee

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704308-001B
Client Sample ID: #1 HB 8 @ 9'
Collection Date: 4/17/2017 1140h
Received Date: 4/17/2017 1343h

Test Code: 8015-S-TPH-3546

Analytical Results TPH-DRO (C10-C28) by Method 8015D/3546

Analyzed: 4/18/2017 901h **Extracted:** 4/17/2017 1544h
Units: mg/kg-dry **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	25.7	< 25.7	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	24.8	42.90	57.9	10-122	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704308-001A
Client Sample ID: #1 HB 8 @ 9'
Collection Date: 4/17/2017 1140h
Received Date: 4/17/2017 1343h

Test Code: 8260-S-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C

Analyzed: 4/17/2017 1652h
Units: mg/kg-dry **Dilution Factor:** 2.42 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00312	< 0.00312	
Ethylbenzene	100-41-4	0.00624	< 0.00624	
Methyl tert-butyl ether	1634-04-4	0.00624	< 0.00624	
Naphthalene	91-20-3	0.00624	< 0.00624	
Toluene	108-88-3	0.00624	< 0.00624	
TPH C6-C10 (GRO)		0.0624	< 0.0624	
Xylenes, Total	1330-20-7	0.00624	< 0.00624	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.151	0.1561	96.7	51-170	
Surr: 4-Bromofluorobenzene	460-00-4	0.152	0.1561	97.5	60-144	
Surr: Dibromofluoromethane	1868-53-7	0.141	0.1561	90.6	60-145	
Surr: Toluene-d8	2037-26-5	0.151	0.1561	96.5	50-138	

Sampling and analytical preparation performed by method 5030C modified for analysis of soil samples collected in 2 or 4 oz jars.

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Kyle F. Gross
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Jose Rocha
QA Officer

American West Analytical Laboratories

Rpt Emailed: P2

WORK ORDER Summary

Work Order: **1704308** Page 1 of 1

Client: The Vision Group, Inc. Due Date: 5/1/2017

Client ID: ELL110 **Contact:** Mark Ellis

Project: **Transwest Pick-A-Part / 1983** **QC Level:** I WO Type: Standard

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1704308-001A	**#1 HB 8 @ 9'**	4/17/2017 1140h	4/17/2017 1343h	**8260-S-PPM**	Soil		VOCFridge	1
				Test Group: 8260-S-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704308-001B				**3546-TPH-PR**			df - tph	
				8015-S-TPH-3546			df - tph	
				Test Group: 8015-S-TPH-3546; # of Analytes: 1 / # of Surr: 1				
				PMOIST			df - tph	

Printed: 4/17/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West Analytical Laboratories

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CHAIN OF CUSTODY

1704308
AWAL Lab Sample Set #

Page ____ of ____

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
1 2 2+ 3 3+	1 2 3 4 5 Stnd		5/1/17

Client: Ellis Environmental

Address: 2610 W. 300 N.

City, State, Zip: Lehi, UT 84043

Contact: Mark Ellis

Phone #: 801-768-0675 Cell #:

E-mail: Mark Ellis@EllisEnviro.com

Project Name: TransWest Pick-a-Part

Project #: 1983

PO #:

Sampler Name: Joseph Ellis

- ☐ Report down to the MDL
- ☐ Include EDD:
- ☐ Lab Filter for:
- ☐ Field Filtered For:

For Compliance With:

- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

Laboratory Use Only

Samples Were:
1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 5.1 °C
4. Received Broken/Leaking (Improperly Sealed) Y N
5. Properly Preserved Y N Checked at bench
6. Received Within Holding Times Y N

COC Tape Was:
1. Present on Outer Package Y N NA
2. Unbroken on Outer Package Y N NA
3. Present on Sample Y N NA
4. Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Gilo Metals TCLP	PAH	Known Hazards & Sample Comments
1	#1 H38 @ 9'	4-17-17	1140	2	S	X	X	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								

Relinquished by: Signature		Received by: Signature	Denise Brown
Print Name:	Joseph H. Ellis	Print Name:	Denise Brown
Date:	4-17-17	Date:	4/17/17
Time:	1343	Time:	13:43
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	

Special Instructions:

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Mark Ellis
The Vision Group, Inc.
P.O. Box 215
Lehi, UT 84043
TEL: (801) 768-0675

RE: Transwest Pick-A-Part / 1983

Dear Mark Ellis: Lab Set ID: 1704534

American West Analytical Laboratories received sample(s) on 4/26/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2017.05.02 13:19:44 -06'00'

Laboratory Director or designee

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-001B
Client Sample ID: #1 MW1
Collection Date: 4/25/2017 1520h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1355h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.477	< 0.477	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.612	1.089	56.2	27-182	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-002B
Client Sample ID: #2 MW5
Collection Date: 4/25/2017 1600h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1415h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.475	**2.71**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.928	1.086	85.4	27-182	

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-003B
Client Sample ID: #3 MW3
Collection Date: 4/25/2017 1615h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1335h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.479	**1.03**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.906	1.095	82.7	27-182	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-004B
Client Sample ID: #4 MW4
Collection Date: 4/25/2017 1640h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1355h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.489	**8.74**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.824	1.118	73.7	27-182	

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-005B
Client Sample ID: #5 MW2
Collection Date: 4/25/2017 1650h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1415h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.474	**4.87**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	0.645	1.083	59.6	27-182	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-006B
Client Sample ID: #6 MW6
Collection Date: 4/25/2017 1700h
Received Date: 4/26/2017 1200h

Test Code: 8015-W-TPH-3511

Analytical Results TPH-DRO (C10-C28) by GC/FID Method 8015D/3511

Analyzed: 4/26/2017 1435h **Extracted:** 4/26/2017 1256h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8015D

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Diesel Range Organics (DRO) (C10-C28)	68476-34-6	0.514	**99.2**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 4-Bromofluorobenzene	460-00-4	1.56	1.175	132	27-182	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-001A
Client Sample ID: #1 MW1
Collection Date: 4/25/2017 1520h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/27/2017 1815h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	< 0.00100	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Methyl tert-butyl ether	1634-04-4	0.00200	**0.00231**	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	< 0.00200	
TPH C6-C10 (GRO)		0.0200	< 0.0200	
Xylenes, Total	1330-20-7	0.00200	< 0.00200	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0542	0.05000	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0522	0.05000	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0518	0.05000	104	70-130	
Surr: Toluene-d8	2037-26-5	0.0524	0.05000	105	60-115	

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-002A
Client Sample ID: #2 MW5
Collection Date: 4/25/2017 1600h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/27/2017 1835h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	**0.00249**	
Ethylbenzene	100-41-4	0.00200	**0.00398**	
Methyl tert-butyl ether	1634-04-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	**0.0291**	
TPH C6-C10 (GRO)		0.0200	**0.0679**	
Xylenes, Total	1330-20-7	0.00200	**0.0284**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0533	0.05000	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0528	0.05000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0508	0.05000	102	70-130	
Surr: Toluene-d8	2037-26-5	0.0524	0.05000	105	60-115	

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Jose Rocha
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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-003A
Client Sample ID: #3 MW3
Collection Date: 4/25/2017 1615h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/27/2017 1854h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	< 0.00100	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Methyl tert-butyl ether	1634-04-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	< 0.00200	
TPH C6-C10 (GRO)		0.0200	< 0.0200	
Xylenes, Total	1330-20-7	0.00200	< 0.00200	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0557	0.05000	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0555	0.05000	111	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0522	0.05000	104	70-130	
Surr: Toluene-d8	2037-26-5	0.0533	0.05000	107	60-115	

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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-004A
Client Sample ID: #4 MW4
Collection Date: 4/25/2017 1640h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/27/2017 1914h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	< 0.00100	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Methyl tert-butyl ether	1634-04-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	< 0.00200	
TPH C6-C10 (GRO)		0.0200	< 0.0200	
Xylenes, Total	1330-20-7	0.00200	< 0.00200	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0545	0.05000	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0562	0.05000	112	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0513	0.05000	103	70-130	
Surr: Toluene-d8	2037-26-5	0.0529	0.05000	106	60-115	

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Jose Rocha
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ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-005A
Client Sample ID: #5 MW2
Collection Date: 4/25/2017 1650h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/28/2017 1519h
Units: mg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methyl tert-butyl ether	1634-04-4	0.0200	**0.419**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.535	0.5000	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.532	0.5000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.521	0.5000	104	70-130	
Surr: Toluene-d8	2037-26-5	0.521	0.5000	104	60-115	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 4/27/2017 1934h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	**0.00153**	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	< 0.00200	
TPH C6-C10 (GRO)		0.0200	< 0.0200	
Xylenes, Total	1330-20-7	0.00200	< 0.00200	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0539	0.05000	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0538	0.05000	108	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0515	0.05000	103	70-130	
Surr: Toluene-d8	2037-26-5	0.0525	0.05000	105	60-115	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: The Vision Group, Inc. **Contact:** Mark Ellis
Project: Transwest Pick-A-Part / 1983
Lab Sample ID: 1704534-006A
Client Sample ID: #6 MW6
Collection Date: 4/25/2017 1700h
Received Date: 4/26/2017 1200h

Test Code: 8260-W-PPM

Analytical Results VOAs MBTEXN/GRO by GC/MS Method 8260C/5030C

Analyzed: 4/27/2017 1953h
Units: mg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Benzene	71-43-2	0.00100	**0.00126**	
Ethylbenzene	100-41-4	0.00200	< 0.00200	
Methyl tert-butyl ether	1634-04-4	0.00200	< 0.00200	
Naphthalene	91-20-3	0.00200	< 0.00200	
Toluene	108-88-3	0.00200	**0.00241**	
TPH C6-C10 (GRO)		0.0200	< 0.0200	
Xylenes, Total	1330-20-7	0.00200	**0.00693**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	0.0538	0.05000	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	0.0531	0.05000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	0.0508	0.05000	102	70-130	
Surr: Toluene-d8	2037-26-5	0.0526	0.05000	105	60-115	

American West Analytical Laboratories

5 Day Rush

Rpt Emailed: P2

WORK ORDER Summary

Work Order: **1704534**

Client: The Vision Group, Inc. Due Date: 5/3/2017

Client ID: ELL110 **Contact:** Mark Ellis

Project: **Transwest Pick-A-Part / 1983** **QC Level:** I WO Type: Standard

Comments: 5 Day Rush;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1704534-001A	**#1 MW1**	4/25/2017 1520h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	2
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-001B				**3511-TPH-PR**			df - tph	1
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1704534-002A	**#2 MW5**	4/25/2017 1600h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	2
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-002B				**3511-TPH-PR**			df - tph	1
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1704534-003A	**#3 MW3**	4/25/2017 1615h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	2
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-003B				**3511-TPH-PR**			df - tph	1
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1704534-004A	**#4 MW4**	4/25/2017 1640h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	2
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-004B				**3511-TPH-PR**			df - tph	1
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1704534-005A	**#5 MW2**	4/25/2017 1650h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	1
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-005B				**3511-TPH-PR**			df - tph	
				8015-W-TPH-3511			df - tph	
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				
1704534-006A	**#6 MW6**	4/25/2017 1700h	4/26/2017 1200h	**8260-W-PPM**	Aqueous		VOCFridge	2
				Test Group: 8260-W-MBTEXN/GRO; # of Analytes: 7 / # of Surr: 4				
1704534-006B				**3511-TPH-PR**			df - tph	1

Printed: 4/26/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1704534**

Client: The Vision Group, Inc. Due Date: 5/3/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1704534-006B	**#6 MW6**	4/25/2017 1700h	4/26/2017 1200h	**8015-W-TPH-3511**	Aqueous		df - tph	1
				Test Group: 8015-W-3511-TPH; # of Analytes: 1 / # of Surr: 1				

American West Analytical Laboratories

3440 S. 700 W. Salt Lake City, UT 84119

Phone # (801) 263-8686 Toll Free # (888) 263-8686

Fax # (801) 263-8687 Email awal@awal-labs.com

www.awal-labs.com

CHAIN OF CUSTODY

1704534

AWAL Lab Sample Set #

Page ____ of ____

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level: 1 2 2+ 3 3+

Turn Around Time: 1 2 3 4 (5) Stnd

Unless other arrangements have been made, signed reports will be emailed by **5:00 pm** on the day they are due.

Due Date: 5/31/17

Client: Ellis Environmental

Address: 2610 W. 300 N.

City, State, Zip: Lehi, UT 84043

Contact: Mark Ellis

Phone #: 801-768-0675 Cell #:

E-mail: MarkEllis@EllisEnviro.com

Project Name: Transwest Pick-a-part

Project #: 1983

PO #:

Sampler Name: Joseph Ellis

- ☐ Report down to the MDL
- ☐ Include EDD:
- ☐ Lab Filter for:
- ☐ Field Filtered For:

For Compliance With:

- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	D120	G120	MBTEX	Known Hazards & Sample Comments
1	#1 MW1	4-25-17	1520	3	W	X	X	X	
2	#2 MW5	4-25-17	1600	3	W	X	X	X	
3	#3 MW3	4-25-17	1615	3	W	X	X	X	
4	#4 MW4	4-25-17	1640	3	W	X	X	X	
5	#5 MW2	4-25-17	1650	2	W	X	X	X	
6	#6 MW6	4-25-17	1700	3	W	X	X	X	
7									
8									
9									
10									
11									
12									
13									

Laboratory Use Only

Samples Were:

1. Shipped or hand delivered
2. Ambient or Chilled
3. Temperature 4.4 °C
4. Received Broken/Leaking (Improperly Sealed) Y (N)
5. Properly Preserved (Y) N Checked at bench
6. Received Within Holding Times (Y) N

COC Tape Was:

1. Present on Outer Package Y N (NA)
2. Unbroken on Outer Package Y N (NA)
3. Present on Sample Y N (NA)
4. Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature		Received by: Signature	Denise Brown
Print Name:	Joseph H. Ellis	Print Name:	Denise Brown
Date:	4-26-17	Date:	4/26/17
Time:	1200	Time:	12:00
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	
Relinquished by: Signature		Received by: Signature	
Print Name:		Print Name:	
Date:		Date:	
Time:		Time:	

Special Instructions:

Summary of Sampling										
Client	Transwest Pick-A-Part									
Location	3586 North 2000 West, Farr West, UT									
Units	Soil, mg/kg									
Sample Location	Date	Depth, ft bgs	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Napthalene	MtBE	GRO
1- GP1	3/16/2017	6-7'	89.2	ns	ns	ns	ns	ns	ns	ns
3- GP2	3/16/2017	2-3'	113	ns	ns	ns	ns	ns	ns	ns
4- GP2	3/16/2017	7-9'	39.7	ns	ns	ns	ns	ns	ns	ns
6- GP3	3/16/2017	1-2'	72.4	ns	ns	ns	ns	ns	ns	ns
8- GP4	3/16/2017	7-8'	103	ns	ns	ns	ns	ns	ns	ns
10- GP5	3/16/2017	6-7'	267	ns	ns	ns	ns	ns	ns	ns
12- GP6	3/16/2017	5-6'	105	ns	ns	ns	ns	ns	ns	ns
1-HB8 (MW1)	4/17/2017	10'	<25.7	<0.00312	<0.00624	<0.00624	<0.00624	<0.00624	<0.00624	<0.0624
1-GP9 (MW 5)	4/19/2017	7-8'	123	<0.00317	0.0109	<0.00635	0.0229	<0.00635	<0.00635	<0.0635
2-GP10 (MW 4)	4/19/2017	7-8'	<26.1	<0.00335	<0.00671	<0.00671	<0.00671	<0.00671	<0.00671	<0.00671
3-GP11 (MW 3)	4/19/2017	8-10'	<25.0	<0.00306	<0.00612	<0.00612	<0.00612	<0.00612	<0.00612	<0.00612
4-GP12 (MW 2)	4/19/2017	7-9'	<25.8	<0.00314	<0.00629	<0.00629	<0.00629	<0.00629	0.0195	<0.00629
5-GP13 (MW 6)	4/19/2017	9-10'	<24.6	<0.00309	<0.00618	<0.00618	<0.00618	<0.00618	<0.00618	<0.00618
Tier 1			**5000**	**0.9**	**25**	**23**	**142**	**51**	**0.3**	**1500**
ISL			**500**	**0.2**	**9**	**5**	**142**	**51**	**0.3**	**150**

Summary of Sampling									
Client	Transwest Pick-A-Part								
Location	3586 North 2000 West, Farr West, UT								
Units	Groundwater or Surface Water, mg/L								
Sample Location	Date	DRO	Benzene	Toluene	Ethylbenzene	Total Xylenes	Naphthalene	MtBE	GRO
2- GP1	3/16/2017	**29.8**	ns	ns	ns	ns	ns	ns	ns
5- GP2	3/16/2017	**166**	ns	ns	ns	ns	ns	ns	ns
7- GP3	3/16/2017	**24.2**	ns	ns	ns	ns	ns	ns	ns
9- GP4	3/16/2017	**2.02**	ns	ns	ns	ns	ns	ns	ns
11- GP5	3/16/2017	**106**	ns	ns	ns	ns	ns	ns	ns
13- GP6	3/16/2017	**32.6**	ns	ns	ns	ns	ns	ns	ns
14- Crusher Pond	3/16/2017	**603**	Surface Water		ns	ns	ns	ns	ns
MW1	4/25/2017	<0.477	<0.001	<0.002	<0.002	<0.002	<0.002	0.00231	<0.02
MW2	4/25/2017	**4.87**	0.00153	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02
MW3	4/25/2017	**1.03**	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02
MW4	4/25/2017	**8.74**	<0.001	<0.002	<0.002	<0.002	<0.002	<0.002	<0.02
MW5	4/25/2017	**2.71**	0.00249	0.0291	0.00398	0.0284	<0.002	<0.002	0.0679
MW6	4/25/2017	**99.2**	0.00126	0.00241	<0.002	0.00693	<0.002	<0.002	<0.02
Tier 1		**10**	**0.3**	**3**	**4**	**10**	**0.7**	**0.2**	**10**
ISL		**1**	**0.005**	**1**	**0.7**	**10**	**0.7**	**0.2**	**1**

NOTES: Unless specifically noted, the sample results are from groundwater monitor wells

Appendix D

Photographs

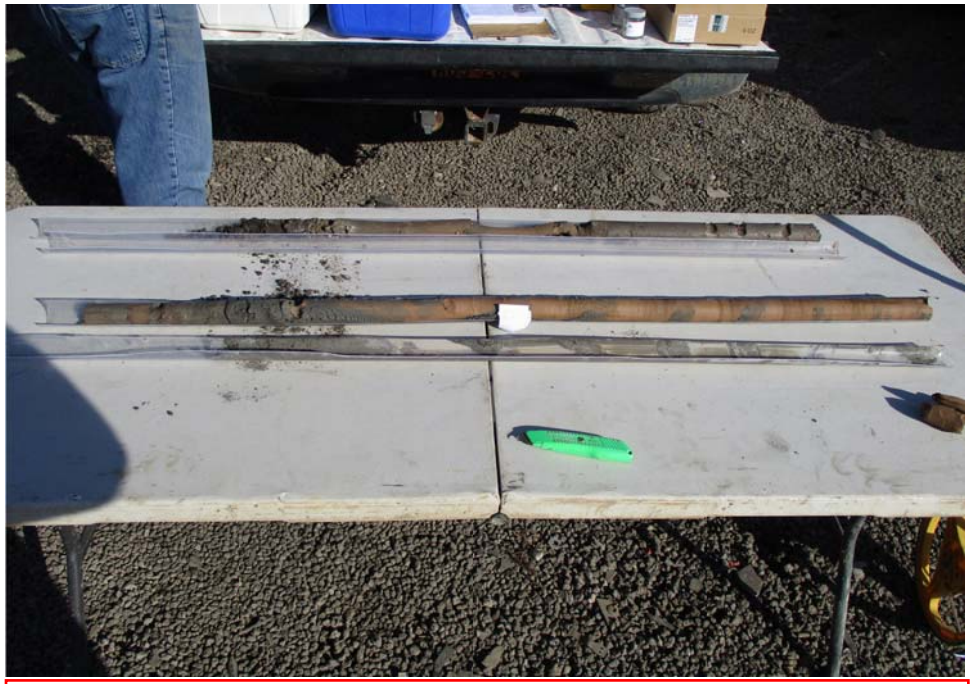
Bottom: Crusher pad and pond; Top: diesel AST

Bottom: hand augering HB8/MW1; Top: Completed MW1

Bottom: MW1; Top: MW2

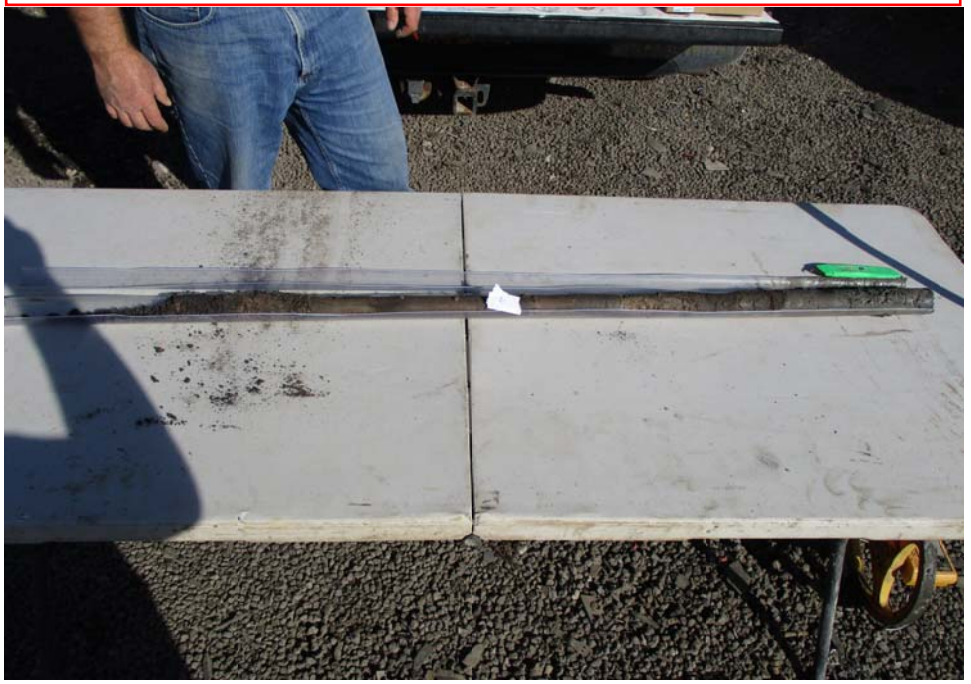
Bottom: MW3; Top: MW4

Bottom: MW5; Top, MW6

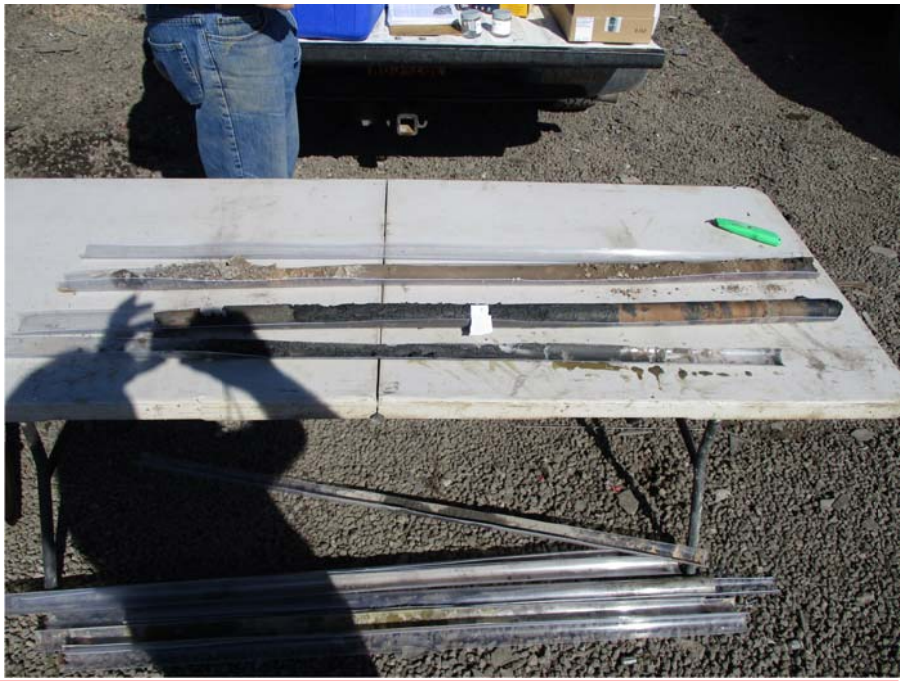


Bottom: GP1@0-5'; Top, GP1@5-10'

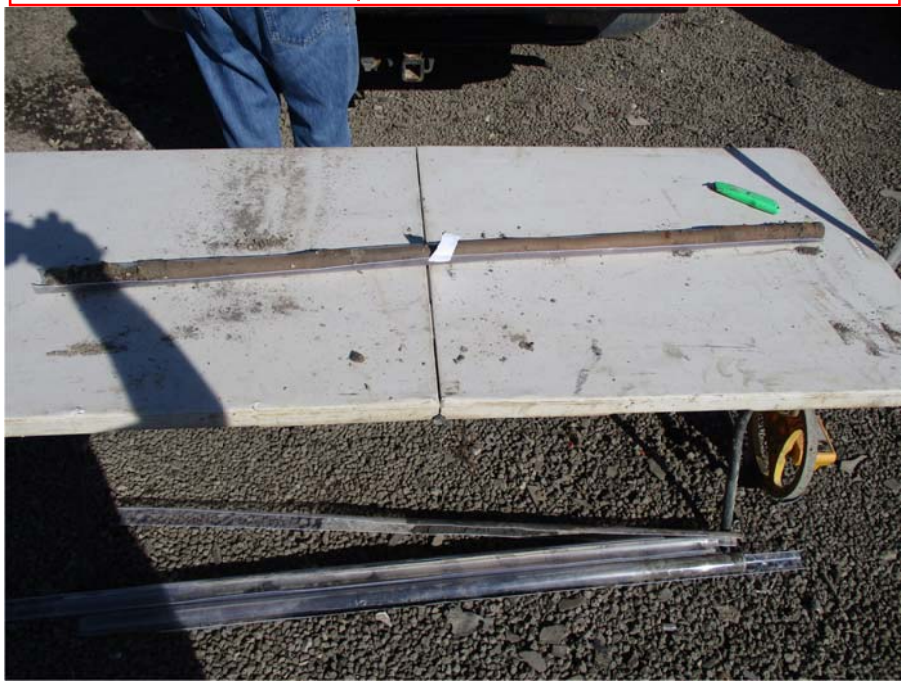
Bottom: GP2 @ 0-5'; Top, GP2@5-10'

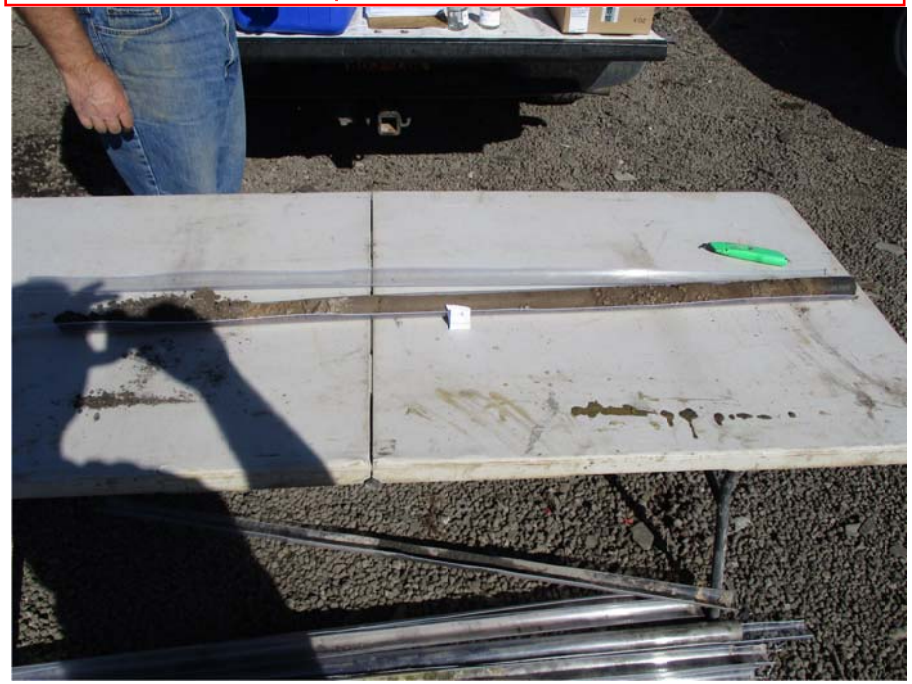


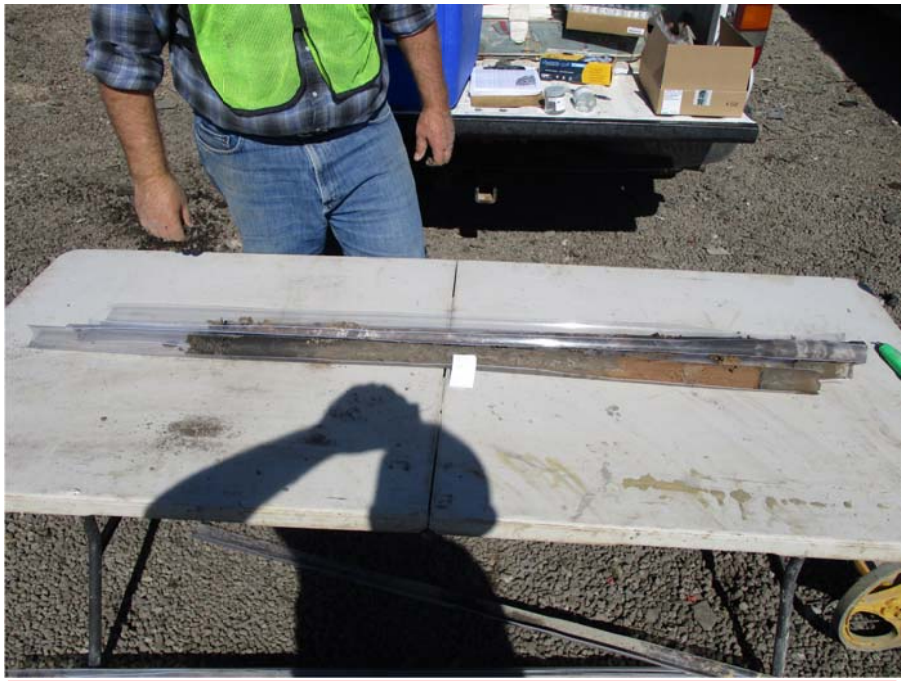
Bottom: GP3 @ 0-5'; Top: GP3@5-10'



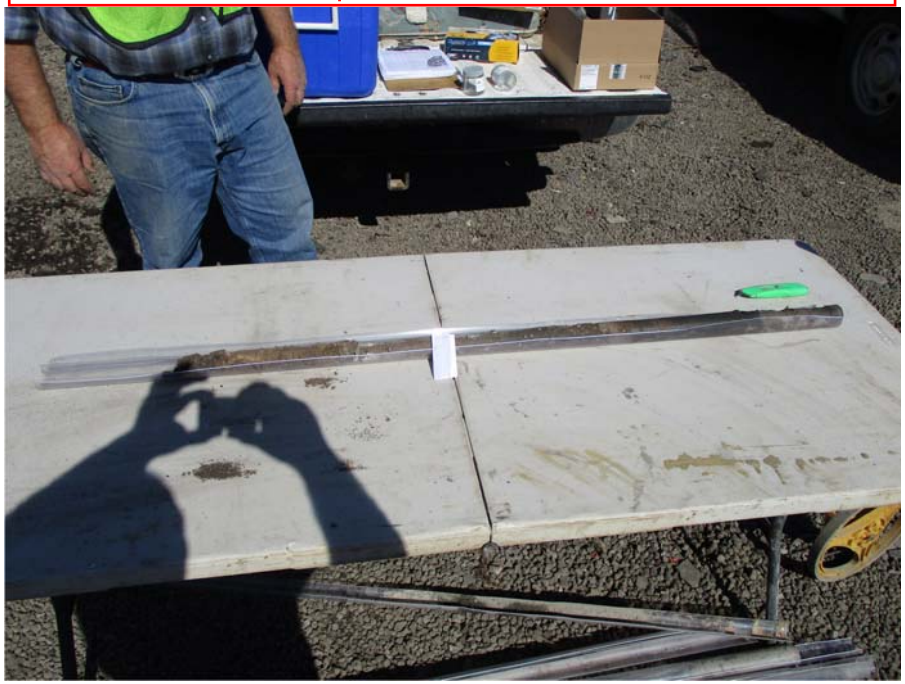
Bottom: GP4@0-5'; Top: GP4@5-10'







Bottom: GP5@0-5'; Top: GP5@5-10'



Bottom: GP6@0-5'; Top: GP6@5-10'

Bottom: GP7@0-5'; Top: GP7@5-10'

Bottom: GP9@0-5; Top: GP9@5-10

Bottom: GP10@0-5'; Top: GP10@5-10'

Bottom: GP11 @ 0-5'; Top: GP11@5-10'

Bottom: GP12 @ 0-5'; Top: GP12@5-10'

Bottom: GP13 @ 0-5'; Top: GP13@5-10'

Appendix E

Statements of Qualifications

DAVID B. JOHNSON, PE, PLS, MBA

(801)-787-4569 / djohnson@johnsonenginc.com / 4436 S 1025 E Salt Lake City, Utah 84124

Education

MS
Brigham Young University — Provo, Utah
- April 2005-Treatment Wetland Design for the Salton Sea, California

MBA
University of Utah — SLC, Utah
- December 2010

BS
Brigham Young University — Provo, Utah
- April 2004-Civil Engineering

Land Surveying
Salt Lake Community College — SLC, Utah
- Satisfied the Utah PLS education requirements

Employment History

Johnson Engineering, Inc. — Salt Lake City, Utah (2014-Present)
Owner and Founder of Johnson Engineering, Inc. (**www.johnsonengineeringinc.com**)
- Responsible for grading and drainage design for residential and commercial land development projects.
- Responsible for the design of lead shot traps and lead dust suppression for national gun ranges.
- Responsible for construction staking, conducting topo surveys, boundary surveys, and HD scanning.
- Certified Underground Storage Tank Consultant with Utah Department of Environmental Response and Remediation (DERR).

Anderson Engineering Company, Inc. — Salt Lake City, Utah (2005-2014)
Professional Engineer and Land Surveyor
- Responsible for project design and the preparation of construction documents.
- Responsible for project management, including: the allocation of resources; the development and training of personnel; and, quality assurance.
- Responsible for construction staking, conducting topo surveys, boundary surveys, and HD scanning.

Agrarian Research and Management Co., Ltd. — Provo, Utah (2004-2005)
Project Engineer and Land Surveyor
- Responsible for project design, land surveying, and construction management for environmental projects throughout California.

Spanish Fork City Engineering Department — Spanish Fork City, Utah (2002-2004)
Geographic Information Systems (GIS) Intern
- Responsible for collecting and managing GIS data for city utilities.

BYU Materials Research Department — Provo, Utah. (2003)
Research Assistant
- Responsible for soil sample analysis of local road base material for frost heave research.

Skills and Certifications

Computer Skills:
AutoCAD Civil 3D
ArcGIS Suite
Microsoft Office
Leica Cyclone
Microsoft Project

Survey Equipment:
Trimble S6 Total Station
Trimble GPS Systems
Leica C10 HD Scanner

Additional Skills:
Fluent in writing and speaking Spanish.

Certifications:
Civil Engineer
- UT # 5338869-2203
- CA # 77583
- WY# 14049

MSHA Training
- 24 hr

Certifications Continued:
OSHA Hazwoper
- 40 hr

Professional Land Surveyor
- UT # 5338869-2201
- CA # 8876

Heavy Construction Contractor
- UT # 8940121-5551

Utah UST Consultant (DERR)

Personal

Brigham Young University Football Letterman (2002) — Provo, Utah (2000-2002)
BYU Student-Athlete Business Mentor — Provo, Utah (2011 to Present)

STATEMENT OF QUALIFICATIONS
Joseph H. Ellis

Education

BS, Utah Valley University, 2010
Psychology

The Vision Group, Inc. - 2005 to present; Ellis Environmental: Participant in numerous soil and groundwater remediation projects including: closing cleanup sites; environmental property audits; groundwater and soil sampling; installation and maintenance of corrective action sites; and project manager for various cleanup projects. Certified Groundwater and Soil Sampler, (certificate #GS1632), 40 hour HAZWOPER, trained in 2005 (29cfr1910.120), and environmental audit inspector and researcher.

Licensed Real Estate Agent in Utah (8703725-SA00).

IntelliSolve**:** Product evaluation, testing, assembly, quality control, shipping, customer service and appreciation, marketing, warehousing, and research and development assistance for multiple products. Distributor relations and product manager for FotoDialer.

Barco Steel Building Construction- June to November 2002; constructed steel buildings on Open Court (now Younique) in Lehi, Granite Seed in Lehi, Mity Lite in Orem, and JBP in Ogden. Did concrete work, insulation, metal sheeting on side and roof, and steel work.

Appleseed Pond- 1992-2000; Former owner and operator of catch out pond for customers catching Brook and Rainbow Trout. Assisted patrons in using angling equipment, cleaning fish, and accounting for purchase of caught fish.

Community and Volunteer Experience-
July 2003-July 2005: Missionary and Church representative in the Phoenix Valley in Arizona for The Church of Jesus Christ of Latter-day Saints. Oversaw large groups of missionaries, coordinated daily activities, and managed weekly meetings.
July 2005-present: Was a Youth Sunday School Instructor, oversaw missionary and service opportunities, oversaw records and meetings over a Church congregation, and aid in leadership over Church congregations; done in two areas in Lehi and Saratoga Springs, Utah.

EllisEnvironmental
a division of thevisiongroup inc.

STATEMENT OF QUALIFICATIONS

Mark T. Ellis- President, The Vision Group, Inc.; including divisions Ellis Environmental and IntelliSolve (1991- present); Certified, Utah Solid and Hazardous Waste Control Board as Consultant (CC19) and Groundwater and Soil Sampler (GS-0081). Certified as Environmental Manager in Nevada, #EM-1191. Qualified, Arizona Consultant. Certified Contractor, South Carolina (UCC-0373). 40 hour hazardous materials management (29 CFR 1910.120). Trained in land appraisal principles with Basic Principles of Land Appraisal and USPAP classes. B.S. Zoology (emphasis on Limnology & Water Chemistry) from BYU in 1978.

Chief Science Officer, Pure Environmental Management, LLC, (2009 to 2015).

Inventor:
- Subsurface Metabolism Enhancement (SME) hydrocarbon bioremediation system, Patent # 6,464,005; Winner of Stoel-Rives Utah Innovator 2010 for Clean Technology and Energy.
- Fuel Vault™, Patent #5,037,239, interest sold to Olsen-Beal Associates.
- Release Detection and Remediation Response (RDR^2), Patent #8,235,627.
- SME Sensor, Patent #7,705,312; Infrared sensor for hydrocarbons, oxygen, CO_2 and methane.
- Identity Theft Protection, pat. pending.
- SMECℓ, Aerobic, chlorinated solvent bioremediation system, pat. pending.

Vice-President of Environmental Services for Olsen-Beal Associates, Orem, Utah. Directed development of Fuel Vault™. Provided environmental services for the petroleum, real estate industries (1990-1991).

Director of Environmental Services, Westech Fuel Equipment, Murray, Utah. Provided environmental assessment and tank closure services to owners of underground storage tanks (1989-1990).

Utah Division of Environmental Quality:
- Manager of the Utah Underground Storage Tank Program, ST/LUST program (1987- 1989).
- Member of UST/LUST Task Force with ASTWMO, (1988- 1989).
- Acid Rain Coordinator for the State of Utah; chair of Utah ADTAC; member, WESTAR and WAD Task Force (1984-1987).
- Air Quality Compliance Officer for the Utah Bureau of Air Quality, (1980-1981, 1984-1987).
- Water Quality Specialist with the Utah Bureau of Water Pollution Control, (1981-1984).

Environmental experience and management includes:
- Citations from Utah Governor (1) and Utah Division of Environmental Health (2) for excellence
- UST closures, including the required site assessments for 347 tanks
- Phase I and II environmental audits/assessments, AAI, TSA at over 1,272 properties since 1989
- LUST abatement and remediation projects at over 130 projects
- Installation/design of Fuel Vault™ facilities at 6 sites
- Research and installation of closed and open loop fisheries at 4 projects
- Hazardous waste compliance at 55 sites
- Air Quality compliance at 15 sites
- Water quality projects at many sites including LUST projects and stormwater plans
- Projects in 16 States (AK, AZ, CA, CO, ID, IN, MT, NV, PA, RI, SC, TN, UT, WA, WI, WY)
- Qualified as Expert Witness in Utah and Arizona courts, 15 projects

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