PLSA

Engineering & Surveying

UNDERGROUND STORAGE TANK DECOMMISSIONING – SITE ASSESSMENT REPORT.

400 South 6th Street
Sunnyside, Washington 98944
Yakima County Tax Parcel No. 221025-24511

August 3, 2015
PLSA Project No. 15073

Prepared for:

Ken Leingang Excavating
1117 North 27th Avenue
Yakima, WA 98902

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Signature Page

The work described in this report was performed under my direct supervision and is in general conformance with regulations and laws in effect at the time that the work was completed.

Scott Garland, P.E.
Project Engineer
PLSA Engineering & Surveying

1 INTRODUCTION

PLSA Engineering and Surveying was retained, by Ken Leingang Excavating (KLE) on behalf of Don Copp (Property Owner), to document the closure of an underground storage tank (UST) discovered as part of a parking lot resurfacing project. During the grading phase of the project KLE discovered an underground storage tank. While removing the initial storage tank, a secondary tank was discovered. PLSA's work was performed in general accordance with the Washington Administrative Code (WAC) Chapter 173-360 (Underground Storage Tank Regulations), WAC Chapter 173-340 (Model Toxics Control Act Regulations) and associated guidance.

Tank Removal was conducted by Ken Leingang Excavating, Inc.

The owner and contact person for the site is as follows:

Mr. Don Copp
64 West Nob Hill Boulevard
Yakima WA 98902
509 952-4261

1.1 Site Location and Description

The site is located at 400 South 6th Street, Sunnyside WA 98944 on the southeast corner of the intersection of South 6th Street and Decatur Avenue. See Figure 1; Site Vicinity Map. The physical address is assigned to two tax parcels. The tank removal and associated excavation was limit to Tax Parcel 221025-24511. The site consists of 7095 square feet of paved parking lot. At the time of the tank removal the asphalt paving was removed to prepare the site for new paving.

1.2 General Site History

The site was the former location of a hotel. The UST's are believed to have been used to store heating oil for the hotel. The hotel was reported to have been constructed in the early 1900's and was demolished in the late 60's. The structure that currently occupies the associated site was constructed in 1971 and likely replaced the hotel. Since natural gas, which is currently used for heating, was available in 1971, the UST's are estimated to have been unused for at least the last 45 years. The tanks are classified as regulated tanks, however due to the age of the tanks and their length of time out of service the tanks are not registered.

2 SURROUNDING LAND USE

The site is located in downtown Sunnyside. It is bordered on the north by Decatur Avenue and on the west by South 6th Avenue. An alley borders the site along the east side. The south side consists of commercial buildings. The surrounding land use consists of retail, banking, and office facilities.

3 SOIL CHARCTERISTICS

Online soil data published by the National Resources Conservation Service (NRCS) reports that the native site top soils are Cleman very fine Sandy Loam, Unified Soil Classification (USC) SM. The native top soil has been observed in nearby excavations to extend to a depth of more than 14

feet below the ground surface (bgs). Well Logs maintain by the Washington State Department of Ecology record silty sand to depths of 20 bgs.

4 GROUNDWATER

Groundwater was not encountered in the tank excavation. Experience with nearby excavation indicates that groundwater depths can fluctuate seasonally from 10 to 15 feet bgs. Groundwater flows south towards the Yakima River.

5 SAMPLING PLAN

Three representative soil samples were collected from the bottom of each tank basin. Sample containers supplied by the analytical laboratory were clean glass with Teflon lined, screwed caps. Sampling equipment was cleaned with non-petroleum based detergent between samplings.

TestAmerica Laboratory, Inc. Seattle-Tacoma, WDOE accreditation C553-15a, was selected to perform the recommended analysis. Quality control procedures are on file at TestAmerica Laboratory at 5755, 8th Street Tacoma, Washington.

All samples were stored under refrigeration and delivered to the laboratory immediately after collection. Copies of Chain of Custody are found in Appendix I with the associated analytical results.

6 FIELD ACTIVITIES

On April 1, 2015 KLE exposed the first tank. PLSA measured the tank, confirmed an approximate volume of 3800 gallons and that the tank contained approximately 600 gallons of heavy heating oil. On April 9, 2015 Emerald Services cleaned the tank and KLE removed and disposed of the tank. The tank was rusted through on the bottom in several areas and in areas on the lower sides of the tank. Contaminated soil was observed in the tank excavation. While removing the first tank a second 1100 gallon tank was found with approximately 200 gallons of liquid that was visually characterized as water that had been contaminated with minimal concentrations of petroleum. Emerald services emptied and cleaned the second tank on June 9, 2015. KLE removed and disposed of the second tank. No visual evidence of release was observed in the second tank excavation. The second tank was in good condition with no open penetrations or significant corrosion. Three soil samples were taken from each tank excavation at the time that the second tank was removed.

7 CONTAMINANT CHARACTERIZATION

After both tanks were removed, soil samples were collected from within the tank basins. These samples were logged, packed, and shipped overnight to TestAmerica Laboratories for analysis and characterization of analytes as required in Table 6-1 of WSDOE Publication # 90-52, "Guidance for Site Checks and Site Assessments for Underground Storage Tanks".

Analytical results identified diesel and heavy oil range petroleum contaminated soil (PCS) above the MTCA Method "A" cleanup levels (CUL's), in samples from tank excavation T1. Soil samples from tank excavation T1 also contained Total Naphthalene and Total Carcinogenic Polyaromatic Hydrocarbons (cPAHs) in concentrations exceeding MTCA Method "A" CUL's.

Analytical Results for all analytes for tank excavation "T2" are all below MTCA Method "A" CUL's. See Appendix I, Analytical Results; Tables 1A through 1D, Soil Analytical Result Summary; and Figure 3, Sample Location Map.

8 CLEANUP

Contaminated soils have been identified within the "T1" tank excavations. Site cleanup efforts have not begun at this time. Future cleanup activities will require additional coordination between the property owner, Washington State Department of Ecology, City of Sunnyside, and other Potentially Liable Parties (PLP's).

9 CONCLUSIONS

Visual observation and laboratory results of soil samples collected from the "T1" tank basin showed evidence of diesel range and heavy oil range petroleum contaminated soil. Concentrations of petroleum contaminants above MTCA Method "A" CUL's were not identified in tank basin "T2". Further cleanup action for the presence of petroleum contaminated soil is warranted.

10 SITE CLOSURE

Two underground storage tanks and minimal associated piping have been removed from the east end of the property.

11 TANK AND PIPING DISPOSAL

Tanks were cleaned by Emerald Services, a certified service agency, removed from the site by KLE, and disposed of as scrap.

12 SITE CHECK/SITE ASSESSMENT CHECKLIST

A completed Site Check/ Site Assessment Checklist form may be found in Appendix III.

Tables
1A – 1D: Summary of Soil Analytical Results

Figures
1. Vicinity Map
2. Site Plan
3. Sample Location Map

Appendices
I. Laboratory Analytical Results
II. Site Assessment Checklist

Tables

Summary of Soil Analytical Results

Table 1A
Soil Analytical Result Summary
Don Copp Tank Decomisioning
400 South 6th Street
Sunnyside Washington

			Total Petroleum Hydrocarbons			Volatile Petroleum Hydrocarbons				
Sample ID.	Depth (ft.)	Sample Date	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-HRO (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Total Xylenes (µg/kg)	Total Naphthalene (µg/kg)
T1N	10	7/8/2014	--	**15,000**	**13,000**	ND	39.0	32.0	360.0	**11,000**
T1C	12	7/8/2014	--	**8,000**	**7,200**	ND	ND	ND	209.3	1,700
T1S	10	7/8/2014	--	**6,100**	**5,400**	6.6	54.0	70.0	380.0	**13,000**
T2N	9	7/8/2014	--	ND	ND	ND	ND	ND	ND	ND
T2C	7	7/8/2014	--	ND	ND	ND	ND	ND	ND	ND
T2S	6	7/8/2014	--	49	320	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels			30/100	2,000	2,000	30	7000	6000	9000	5000
Analytical Method			NWTPH-Gx	NWTPH-Dx		EPA 8260B				EPA 8270D

TPH data and CUL reported in mg/kg
VPH data and CUL reported in µg/kg
GRO = Gasoline Range Oraganics DRO = Diesel Range Organics HRO = Heavy Oil Range Organics
GRO MTCA Method A cleanup levels are 30 mg/kg if benzene is present and 100mg/kg if benzene is not present.
(-)= No Analysis Performed ND = Not Detected

Table 1B
Soil Analytical Results Summary
Don Copp Tank Decomisioning
400 South 6th Street
Sunnyside Washington

			Chloronated Compounds:							
Sample ID.	Depth (ft.)	Sample Date	Tetrachloro-ethene (µg/kg)	Trichloro-ethene (µg/kg)	1,1,1-trichloro-ethane (µg/kg)	Methylene chloride (µg/kg)	Vinyl chloride (µg/kg)	Chloroform (µg/kg)	Cis-1,2-dichloro ethene (µg/kg)	Trans-1,2-dichloro-ethene (µg/kg)
T1N	10	6/9/2015	4.3	ND	ND	ND	ND	ND	ND	ND
T1C	12	6/9/2015	7.3	ND	ND	ND	ND	ND	ND	ND
T1S	10	6/9/2015	2.3	ND	ND	ND	ND	ND	ND	ND
T2N	9	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND
T2C	7	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND
T2S	6	6/9/2015	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels: (µg/kg)			50	30	2000	20	-	-	-	
Analytical Method			EPA 8260C							

All data and CUL reported in µg/kg

Table 1C
Soil Analytical Results Summary
Don Copp Tank Decomisioning
400 South 6th Street
Sunnyside Washington

			Metals				
Sample ID.	**Depth (ft.)**	**Sample Date**	**Cadmium**	**Zinc**	**Nickel**	**Lead**	**Chromium**
T1N	10	7/8/2014	ND	99	18	230	17
T1C	12	7/8/2014	ND	62	14	44	12
T1S	10	7/8/2014	ND	79	18	19	17
T2N	9	7/8/2014	ND	41	12	4.7	12
T2C	7	7/8/2014	ND	47	15	5.9	14
T2S	6	7/8/2014	ND	64	20	8.3	**19**
MTCA Method A Cleanup Levels:			2	-	-	250	19/2,000
Analytical Method			EPA 6020A				

Chromium MTCA Method A CUL = 19 mg/kg if Chromium VI, if Chromium III CUL is 2,000 mg/kg
All data and CUL reported in mg/kg

Table 1D
Soil Analytical Results Summary
Don Copp Tank Decomisioning
400 South 6th Street
Sunnyside Washington

			Carcinogenic Polyaromatic Hydrocarbons (cPAHs)								
Sample ID.	**Depth (ft.)**	**Sample Date**	**Benzo(a) pyrene**	**Benzo(a) anthracene**	**Benzo(b) fluoranthene**	**Benzo(k) fluoranthene**	**Chrysene**	**2-Methylnaphthalene**	**Indeno (1,2,3cd) pyrene**	**Total cPAHs**	**Total Polychlorinated biphenyl (PCB)**
T1N	10	7/8/2014	4.8	6.8	1.4	0.3	8.1	200	0.69	**222.13**	ND
T1C	12	7/8/2014	2.7	3.6	0.7	ND	4.8	80	0.35	**92.12**	ND
T1S	10	7/8/2014	2.3	3.0	0.7	ND	3.8	120	0.35	**130.17**	ND
T2N	9	7/8/2014	ND	ND	ND	ND	ND	0.027	ND	ND	ND
T2C	7	7/8/2014	ND	ND	ND	ND	ND	0.046	ND	ND	0.043
T2S	6	7/8/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels:			**See Total cPAHs**							**0.1**	**1**
Analytical Method			EPA 8270D								EPA 8082

All data and CUL reported in mg/kg

Figures

1. **Vicinity Map**
2. **Site Map**
3. **Sample Location Map**

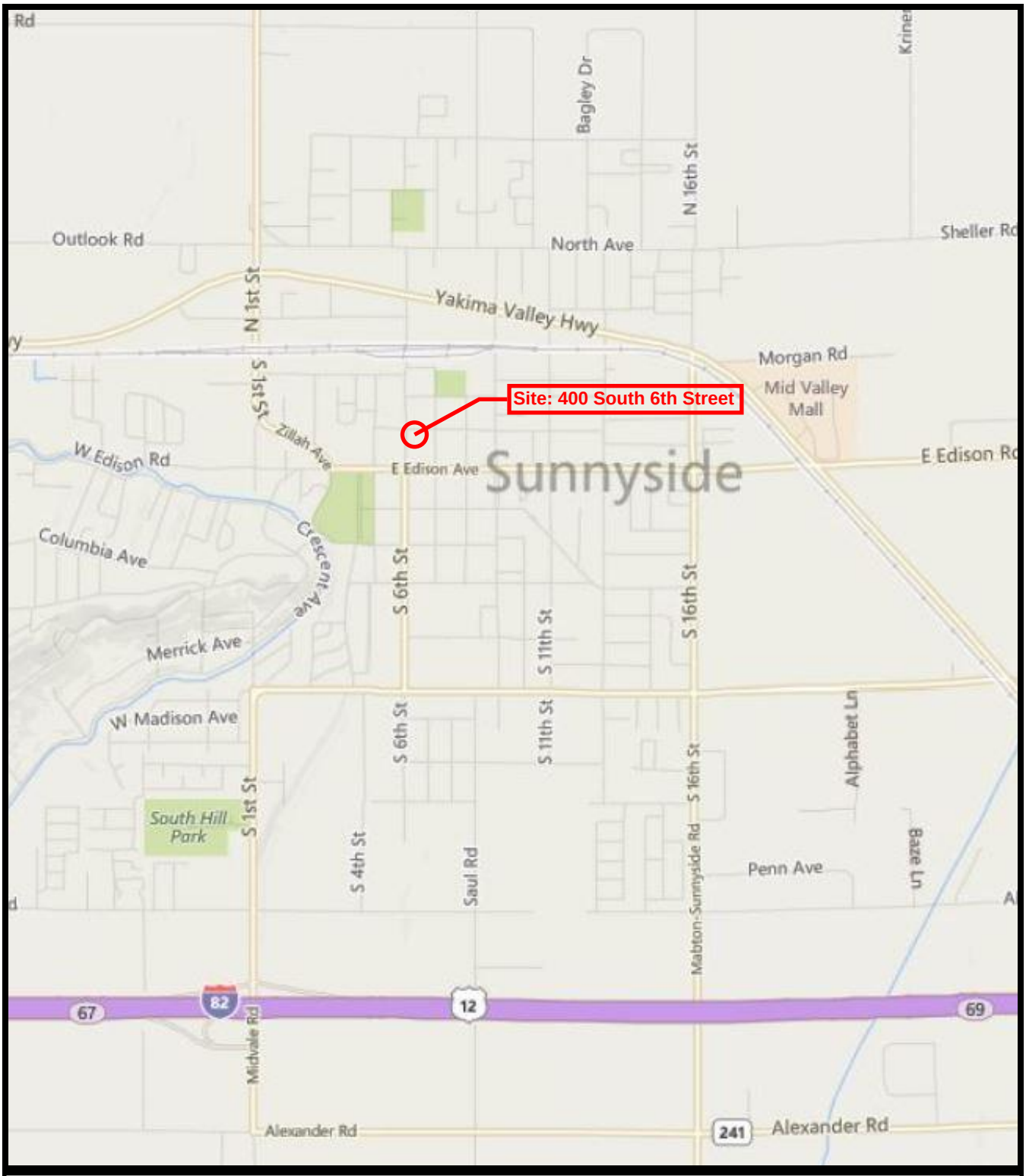

Figure 1: Vicinity Map

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ENGINEERING-SURVEYING-PLANNING
1120 WEST LINCOLN AVENUE, YAKIMA, WA (509) 575-6990

DON COPP TANK SITE
400 South 6th Street
PREPARED FOR
Leingang Excavating

Date: 7-25-2015 | Yakima County Parcel 221025-24511 | PLSA Project No. 15073

Figure 2: Site Map

PLSA

ENGINEERING-SURVEYING-PLANNING
1120 WEST LINCOLN AVENUE, YAKIMA, WA (509) 575-6990

DON COPP TANK SITE
400 South 6th Street
PREPARED FOR
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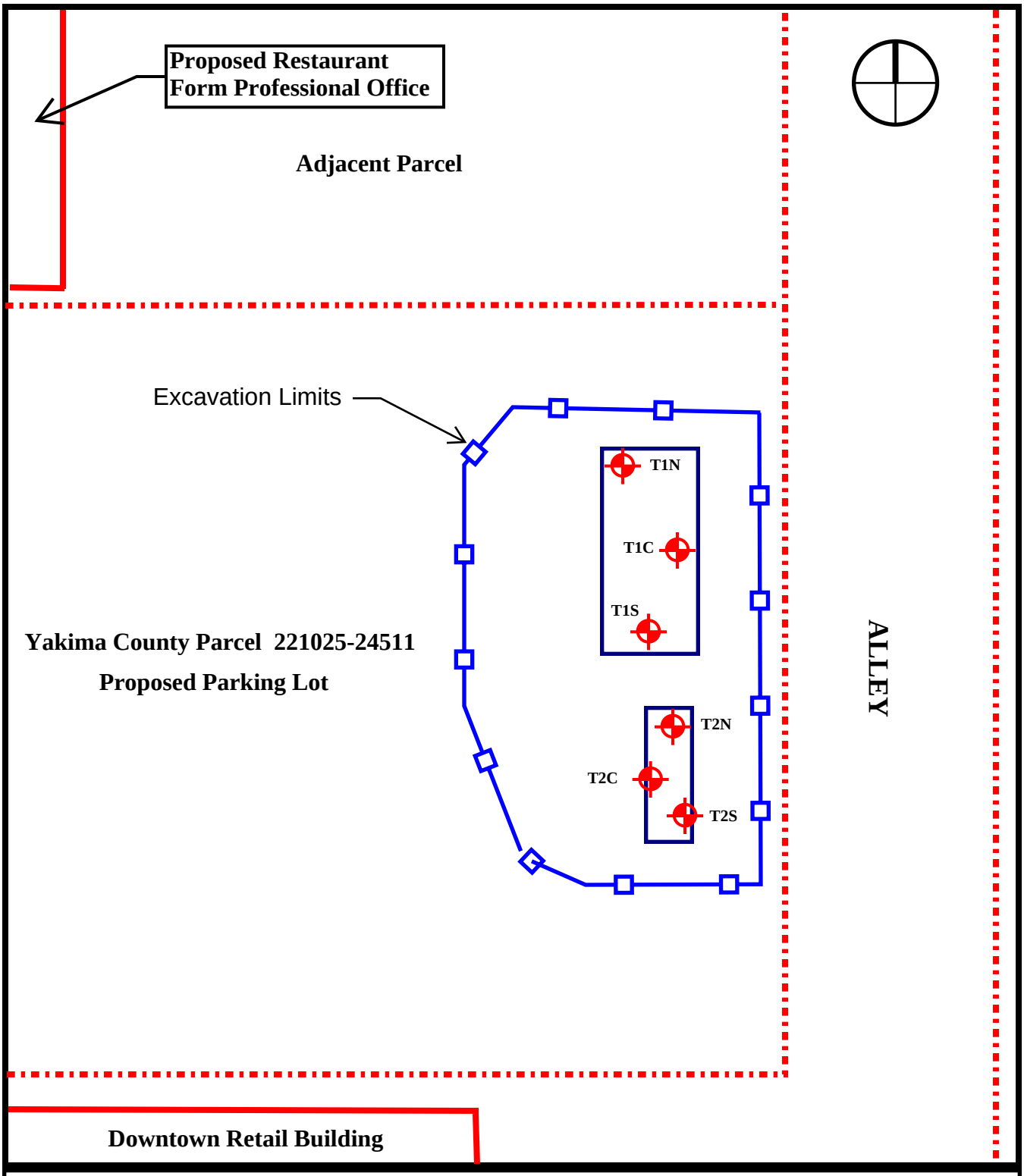

Figure 3: Sample Location Map

PLSA

ENGINEERING-SURVEYING-PLANNING

1120 WEST LINCOLN AVENUE, YAKIMA, WA (509) 575-6990

DON COPP TANK SITE

400 South 6th Street

PREPARED FOR

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Date: 7-25-2015 | Yakima County Parcel 221025-24511 | PLSA Project No. 15073

Appendices I

Laboratory Analytical Results

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-50678-1
Client Project/Site: PLSA Engineering

For:
PLSA Engineering & Surveying
1120 West Lincoln Avenue
Yakima, Washington 98902

Attn: Scott Garland

Authorized for release by:
6/26/2015 12:14:54 PM

Stephanie Sanders, Project Manager I
(303)736-0196
stephanie.sanders@testamericainc.com

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Job ID: 580-50678-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-50678-1

Comments
No additional comments.

Receipt
The samples were received on 6/10/2015 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1º C.

GC/MS VOA
Method(s) 8260C: The laboratory control sample duplicate (LCSD) for batch preparation batch 580-191912 and analytical batch 580-191855 recovered outside control limits for the following analytes: 1,1,2,2-Tetrachloroethane and Methyl tert-butyl ether. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8260C: Internal standard responses were outside of acceptance limits for the following sample: T2N (580-50678-4). The sample(s) shows evidence of matrix interference. Since internal standards recovered below lower limits, this would result in a high bias of target analytes. No target analytes were detected in the sample, therefore no high bias is detected.

Method(s) 8260C: Surrogate recovery for the following sample was outside control limits: T1N (580-50678-1). Evidence of matrix interference due to non-target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D SIM: The following samples were diluted due to the nature of the sample matrix: T1N (580-50678-1), TIC (580-50678-2) and TIS (580-50678-3). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) NWTPH-Dx: In analytical batch 580-192016, the following samples from preparation batch 580-191951 contained a hydrocarbon pattern in the diesel range; however, the elution pattern was later than the typical diesel fuel pattern used by the laboratory for quantitative purposes: T1N (580-50678-1), TIC (580-50678-2) and TIS (580-50678-3).

Method(s) NWTPH-Dx: In analytical batch 580-192016, surrogate recovery for the following samples from preparation batch 580-191951 was outside control limits: T1N (580-50678-1), TIC (580-50678-2) and TIS (580-50678-3). Evidence of matrix interference due to non-target analytes is present, as observed in the sample chromatograms; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits

GC Semi VOA

Qualifier	Qualifier Description
Y	The chromatographic response resembles a typical fuel pattern.
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T1N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-1
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10		%			06/12/15 10:58	1
Percent Moisture	24		0.10		%			06/12/15 10:58	1

Client Sample ID: T1N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-1
Matrix: Solid
Percent Solids: 76.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,1,2,2-Tetrachloroethane	ND	*	4.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,1,2-Trichloroethane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,1-Dichloroethane	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,1-Dichloroethene	ND		5.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,2-Dichlorobenzene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,2-Dichloropropane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,3-Dichlorobenzene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Benzene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Bromodichloromethane	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Bromoform	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Bromomethane	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Carbon tetrachloride	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Chlorobenzene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Chloroethane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Chloroform	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Chloromethane	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
cis-1,2-Dichloroethene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Dibromochloromethane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
EDB	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
EDC	ND		1.0		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Ethylbenzene	**32**		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Methyl tert-butyl ether	ND	*	2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Methylene Chloride	ND		15		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
m-Xylene & p-Xylene	**120**		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
o-Xylene	**240**		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Tetrachloroethene	**4.3**		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Toluene	**39**		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
trans-1,2-Dichloroethene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
trans-1,3-Dichloropropene	ND		10		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Trichloroethene	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Trichlorofluoromethane	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1
Vinyl chloride	ND		2.1		ug/Kg	☼	06/10/15 09:50	06/11/15 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*71 - 136*	*06/10/15 09:50*	*06/11/15 20:48*	*1*
4-Bromofluorobenzene (Surr)	*133*	*X*	*70 - 120*	*06/10/15 09:50*	*06/11/15 20:48*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 132*	*06/10/15 09:50*	*06/11/15 20:48*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*06/10/15 09:50*	*06/11/15 20:48*	*1*
Trifluorotoluene (Surr)	*99*		*65 - 140*	*06/10/15 09:50*	*06/11/15 20:48*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**200000**		630		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Benzo[a]anthracene	**6800**		630		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Benzo[a]pyrene	**4800**		310		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Benzo[b]fluoranthene	**1400**		630		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Benzo[k]fluoranthene	**340**		310		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50

Client Sample ID: T1N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-1
Matrix: Solid
Percent Solids: 76.5

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**8100**		630		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Dibenz(a,h)anthracene	ND		310		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Indeno[1,2,3-cd]pyrene	**690**		310		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50
Naphthalene	**11000**		310		ug/Kg	☼	06/16/15 16:30	06/22/15 19:44	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*85*		*42 - 151*	*06/16/15 16:30*	*06/22/15 19:44*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.033		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1221	ND		0.014		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1232	ND		0.014		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1242	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1248	ND		0.014		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1254	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1
PCB-1260	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*50 - 140*	*06/22/15 09:22*	*06/23/15 20:18*	*1*
Tetrachloro-m-xylene	*50*		*45 - 135*	*06/22/15 09:22*	*06/23/15 20:18*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**15000**	**Y**	160		mg/Kg	☼	06/12/15 10:47	06/13/15 03:13	5
Motor Oil (>C24-C36)	**13000**	**Y**	310		mg/Kg	☼	06/12/15 10:47	06/13/15 03:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*407*	*X*	*50 - 150*	*06/12/15 10:47*	*06/13/15 03:13*	*5*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.26		mg/Kg	☼	06/16/15 07:49	06/16/15 18:47	10
Chromium	**17**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 18:47	10
Lead	**230**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 18:47	10
Nickel	**18**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 18:47	10
Zinc	**99**		6.4		mg/Kg	☼	06/16/15 07:49	06/16/15 18:47	10

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: TIC
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-2
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		0.10		%			06/12/15 10:58	1
Percent Moisture	13		0.10		%			06/12/15 10:58	1

Client Sample ID: TIC
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-2
Matrix: Solid
Percent Solids: 86.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,1,2,2-Tetrachloroethane	ND	*	3.6		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,1,2-Trichloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,1-Dichloroethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,2-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,2-Dichloropropane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,3-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Benzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Bromodichloromethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Bromoform	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Bromomethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Carbon tetrachloride	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Chlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Chloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Chloroform	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Chloromethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
cis-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Dibromochloromethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
EDB	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
EDC	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Ethylbenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Methyl tert-butyl ether	ND	*	1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Methylene Chloride	ND		14		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
m-Xylene & p-Xylene	**9.3**		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
o-Xylene	**200**		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Tetrachloroethene	**7.3**		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Toluene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
trans-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
trans-1,3-Dichloropropene	ND		9.0		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Trichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Trichlorofluoromethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1
Vinyl chloride	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*136*		*71 - 136*	*06/10/15 09:50*	*06/11/15 21:15*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 120*	*06/10/15 09:50*	*06/11/15 21:15*	*1*
Dibromofluoromethane (Surr)	*130*		*75 - 132*	*06/10/15 09:50*	*06/11/15 21:15*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*06/10/15 09:50*	*06/11/15 21:15*	*1*
Trifluorotoluene (Surr)	*75*		*65 - 140*	*06/10/15 09:50*	*06/11/15 21:15*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**80000**		560		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Benzo[a]anthracene	**3600**		560		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Benzo[a]pyrene	**2700**		280		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Benzo[b]fluoranthene	**670**		560		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Benzo[k]fluoranthene	ND		280		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50

Client Sample ID: TIC
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-2
Matrix: Solid
Percent Solids: 86.9

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**4800**		560		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Dibenz(a,h)anthracene	ND		280		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Indeno[1,2,3-cd]pyrene	**350**		280		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50
Naphthalene	**1700**		280		ug/Kg	☼	06/16/15 16:30	06/22/15 20:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*80*		*42 - 151*	*06/16/15 16:30*	*06/22/15 20:05*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.028		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1221	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1232	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1242	ND		0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1248	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1254	ND		0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1
PCB-1260	ND		0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*50 - 140*	*06/22/15 09:22*	*06/23/15 20:35*	*1*
Tetrachloro-m-xylene	*55*		*45 - 135*	*06/22/15 09:22*	*06/23/15 20:35*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**8000**	**Y**	140		mg/Kg	☼	06/12/15 10:47	06/13/15 03:30	5
Motor Oil (>C24-C36)	**7200**	**Y**	280		mg/Kg	☼	06/12/15 10:47	06/13/15 03:30	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*217*	*X*	*50 - 150*	*06/12/15 10:47*	*06/13/15 03:30*	*5*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.22		mg/Kg	☼	06/16/15 07:49	06/16/15 18:53	10
Chromium	**12**		0.54		mg/Kg	☼	06/16/15 07:49	06/16/15 18:53	10
Lead	**44**		0.54		mg/Kg	☼	06/16/15 07:49	06/16/15 18:53	10
Nickel	**14**		0.54		mg/Kg	☼	06/16/15 07:49	06/16/15 18:53	10
Zinc	**62**		5.4		mg/Kg	☼	06/16/15 07:49	06/16/15 18:53	10

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: TIS
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-3
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	74		0.10		%			06/12/15 10:58	1
Percent Moisture	26		0.10		%			06/12/15 10:58	1

Client Sample ID: TIS
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-3
Matrix: Solid
Percent Solids: 73.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,1,2,2-Tetrachloroethane	ND	*	4.4		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,1,2-Trichloroethane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,1-Dichloroethane	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,1-Dichloroethene	ND		5.5		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,2-Dichlorobenzene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,2-Dichloropropane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,3-Dichlorobenzene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
1,4-Dichlorobenzene	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Benzene	**6.6**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Bromodichloromethane	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Bromoform	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Bromomethane	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Carbon tetrachloride	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Chlorobenzene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Chloroethane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Chloroform	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Chloromethane	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
cis-1,2-Dichloroethene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
cis-1,3-Dichloropropene	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Dibromochloromethane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
EDB	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
EDC	ND		1.1		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Ethylbenzene	**70**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Methyl tert-butyl ether	ND	*	2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Methylene Chloride	ND		17		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
m-Xylene & p-Xylene	**230**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
o-Xylene	**150**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Tetrachloroethene	**2.3**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Toluene	**54**		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
trans-1,2-Dichloroethene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
trans-1,3-Dichloropropene	ND		11		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Trichloroethene	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Trichlorofluoromethane	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1
Vinyl chloride	ND		2.2		ug/Kg	☼	06/10/15 09:50	06/11/15 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*71 - 136*	*06/10/15 09:50*	*06/11/15 21:41*	*1*
4-Bromofluorobenzene (Surr)	*111*		*70 - 120*	*06/10/15 09:50*	*06/11/15 21:41*	*1*
Dibromofluoromethane (Surr)	*119*		*75 - 132*	*06/10/15 09:50*	*06/11/15 21:41*	*1*
Toluene-d8 (Surr)	*115*		*80 - 120*	*06/10/15 09:50*	*06/11/15 21:41*	*1*
Trifluorotoluene (Surr)	*85*		*65 - 140*	*06/10/15 09:50*	*06/11/15 21:41*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**120000**		670		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Benzo[a]anthracene	**3000**		670		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Benzo[a]pyrene	**2300**		340		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Benzo[b]fluoranthene	**720**		670		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Benzo[k]fluoranthene	ND		340		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50

Client Sample ID: TIS
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-3
Matrix: Solid
Percent Solids: 73.7

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	**3800**		670		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Dibenz(a,h)anthracene	ND		340		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Indeno[1,2,3-cd]pyrene	**350**		340		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50
Naphthalene	**13000**		340		ug/Kg	☼	06/16/15 16:30	06/22/15 20:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*69*		*42 - 151*	*06/16/15 16:30*	*06/22/15 20:27*	*50*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.033		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1221	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1232	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1242	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1248	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1254	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1
PCB-1260	ND		0.013		mg/Kg	☼	06/22/15 09:22	06/23/15 20:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*50*		*50 - 140*	*06/22/15 09:22*	*06/23/15 20:52*	*1*
Tetrachloro-m-xylene	*45*		*45 - 135*	*06/22/15 09:22*	*06/23/15 20:52*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**6100**	**Y**	33		mg/Kg	☼	06/12/15 10:47	06/13/15 06:27	1
Motor Oil (>C24-C36)	**5400**	**Y**	66		mg/Kg	☼	06/12/15 10:47	06/13/15 06:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*166*	*X*	*50 - 150*	*06/12/15 10:47*	*06/13/15 06:27*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.26		mg/Kg	☼	06/16/15 07:49	06/16/15 19:25	10
Chromium	**17**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 19:25	10
Lead	**19**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 19:25	10
Nickel	**18**		0.64		mg/Kg	☼	06/16/15 07:49	06/16/15 19:25	10
Zinc	**79**		6.4		mg/Kg	☼	06/16/15 07:49	06/16/15 19:25	10

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-4
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	100		0.10		%			06/12/15 10:58	1
Percent Moisture	0.00		0.10		%			06/12/15 10:58	1

Client Sample ID: T2N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-4
Matrix: Solid
Percent Solids: 100.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,1,2,2-Tetrachloroethane	ND	*	2.9		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,1,2-Trichloroethane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,1-Dichloroethane	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,1-Dichloroethene	ND	*	3.6		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,2-Dichlorobenzene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,2-Dichloropropane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,3-Dichlorobenzene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
1,4-Dichlorobenzene	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Benzene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Bromodichloromethane	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Bromoform	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Bromomethane	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Carbon tetrachloride	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Chlorobenzene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Chloroethane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Chloroform	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Chloromethane	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
cis-1,2-Dichloroethene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
cis-1,3-Dichloropropene	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Dibromochloromethane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
EDB	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
EDC	ND	*	0.72		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Ethylbenzene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Methyl tert-butyl ether	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Methylene Chloride	ND	*	11		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
m-Xylene & p-Xylene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
o-Xylene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Tetrachloroethene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Toluene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
trans-1,2-Dichloroethene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
trans-1,3-Dichloropropene	ND	*	7.2		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Trichloroethene	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Trichlorofluoromethane	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1
Vinyl chloride	ND	*	1.4		ug/Kg	☼	06/10/15 09:50	06/11/15 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*	*	*71 - 136*	*06/10/15 09:50*	*06/11/15 22:07*	*1*
4-Bromofluorobenzene (Surr)	*92*	*	*70 - 120*	*06/10/15 09:50*	*06/11/15 22:07*	*1*
Dibromofluoromethane (Surr)	*102*	*	*75 - 132*	*06/10/15 09:50*	*06/11/15 22:07*	*1*
Toluene-d8 (Surr)	*109*	*	*80 - 120*	*06/10/15 09:50*	*06/11/15 22:07*	*1*
Trifluorotoluene (Surr)	*98*	*	*65 - 140*	*06/10/15 09:50*	*06/11/15 22:07*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**27**		9.6		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Benzo[a]anthracene	ND		9.6		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Benzo[a]pyrene	ND		4.8		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Benzo[b]fluoranthene	ND		9.6		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Benzo[k]fluoranthene	ND		4.8		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1

Client Sample ID: T2N
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-4
Matrix: Solid
Percent Solids: 100.0

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		9.6		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Dibenz(a,h)anthracene	ND		4.8		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Indeno[1,2,3-cd]pyrene	ND		4.8		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1
Naphthalene	ND		4.8		ug/Kg	☼	06/16/15 16:30	06/22/15 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*42 - 151*	*06/16/15 16:30*	*06/22/15 20:49*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.024		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1221	ND		0.010		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1232	ND		0.010		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1242	ND		0.0095		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1248	ND		0.010		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1254	ND		0.0095		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1
PCB-1260	ND		0.0095		mg/Kg	☼	06/22/15 09:22	06/23/15 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*50 - 140*	*06/22/15 09:22*	*06/23/15 21:09*	*1*
Tetrachloro-m-xylene	*87*		*45 - 135*	*06/22/15 09:22*	*06/23/15 21:09*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		24		mg/Kg	☼	06/12/15 10:47	06/13/15 04:18	1
Motor Oil (>C24-C36)	ND		48		mg/Kg	☼	06/12/15 10:47	06/13/15 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*06/12/15 10:47*	*06/13/15 04:18*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.16		mg/Kg	☼	06/16/15 07:49	06/16/15 19:31	10
Chromium	**12**		0.41		mg/Kg	☼	06/16/15 07:49	06/16/15 19:31	10
Lead	**4.7**		0.41		mg/Kg	☼	06/16/15 07:49	06/16/15 19:31	10
Nickel	**12**		0.41		mg/Kg	☼	06/16/15 07:49	06/16/15 19:31	10
Zinc	**41**		4.1		mg/Kg	☼	06/16/15 07:49	06/16/15 19:31	10

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2C
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-5
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90		0.10		%			06/12/15 10:58	1
Percent Moisture	9.8		0.10		%			06/12/15 10:58	1

Client Sample ID: T2C
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-5
Matrix: Solid
Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,1,2,2-Tetrachloroethane	ND	*	3.6		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,1,2-Trichloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,1-Dichloroethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,1-Dichloroethene	ND		4.5		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,2-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,2-Dichloropropane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,3-Dichlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
1,4-Dichlorobenzene	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Benzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Bromodichloromethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Bromoform	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Bromomethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Carbon tetrachloride	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Chlorobenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Chloroethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Chloroform	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Chloromethane	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
cis-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
cis-1,3-Dichloropropene	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Dibromochloromethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
EDB	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
EDC	ND		0.90		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Ethylbenzene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Methyl tert-butyl ether	ND	*	1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Methylene Chloride	ND		13		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
m-Xylene & p-Xylene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
o-Xylene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Tetrachloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Toluene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
trans-1,2-Dichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
trans-1,3-Dichloropropene	ND		9.0		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Trichloroethene	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Trichlorofluoromethane	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1
Vinyl chloride	ND		1.8		ug/Kg	☼	06/10/15 09:50	06/11/15 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*71 - 136*	*06/10/15 09:50*	*06/11/15 22:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*	*06/10/15 09:50*	*06/11/15 22:33*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 132*	*06/10/15 09:50*	*06/11/15 22:33*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*	*06/10/15 09:50*	*06/11/15 22:33*	*1*
Trifluorotoluene (Surr)	*89*		*65 - 140*	*06/10/15 09:50*	*06/11/15 22:33*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**46**		11		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Benzo[a]anthracene	ND		11		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Benzo[a]pyrene	ND		5.4		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Benzo[b]fluoranthene	ND		11		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Benzo[k]fluoranthene	ND		5.4		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1

Client Sample ID: T2C
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-5
Matrix: Solid
Percent Solids: 90.2

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		11		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Dibenz(a,h)anthracene	ND		5.4		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Indeno[1,2,3-cd]pyrene	ND		5.4		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1
Naphthalene	**6.3**		5.4		ug/Kg	☼	06/16/15 16:30	06/22/15 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*75*		*42 - 151*	*06/16/15 16:30*	*06/22/15 21:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.027		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1221	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1232	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1242	**0.043**		0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1248	ND		0.012		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1254	ND		0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1
PCB-1260	ND	F1	0.011		mg/Kg	☼	06/22/15 09:22	06/23/15 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*50 - 140*	*06/22/15 09:22*	*06/23/15 21:25*	*1*
Tetrachloro-m-xylene	*49*		*45 - 135*	*06/22/15 09:22*	*06/23/15 21:25*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		26		mg/Kg	☼	06/12/15 10:47	06/13/15 04:34	1
Motor Oil (>C24-C36)	ND		52		mg/Kg	☼	06/12/15 10:47	06/13/15 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*06/12/15 10:47*	*06/13/15 04:34*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.18		mg/Kg	☼	06/16/15 07:49	06/16/15 19:38	10
Chromium	**14**		0.46		mg/Kg	☼	06/16/15 07:49	06/16/15 19:38	10
Lead	**5.9**		0.46		mg/Kg	☼	06/16/15 07:49	06/16/15 19:38	10
Nickel	**15**		0.46		mg/Kg	☼	06/16/15 07:49	06/16/15 19:38	10
Zinc	**47**		4.6		mg/Kg	☼	06/16/15 07:49	06/16/15 19:38	10

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2S
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-6
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	66		0.10		%			06/12/15 10:58	1
Percent Moisture	34		0.10		%			06/12/15 10:58	1

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2S
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-6
Matrix: Solid
Percent Solids: 66.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,1,2,2-Tetrachloroethane	ND	*	4.7		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,1,2-Trichloroethane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,1-Dichloroethane	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,1-Dichloroethene	ND		5.9		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,2-Dichlorobenzene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,2-Dichloropropane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,3-Dichlorobenzene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
1,4-Dichlorobenzene	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Benzene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Bromodichloromethane	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Bromoform	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Bromomethane	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Carbon tetrachloride	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Chlorobenzene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Chloroethane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Chloroform	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Chloromethane	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
cis-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
cis-1,3-Dichloropropene	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Dibromochloromethane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
EDB	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
EDC	ND		1.2		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Ethylbenzene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Methyl tert-butyl ether	ND	*	2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Methylene Chloride	ND		18		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
m-Xylene & p-Xylene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
o-Xylene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Tetrachloroethene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Toluene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
trans-1,2-Dichloroethene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
trans-1,3-Dichloropropene	ND		12		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Trichloroethene	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Trichlorofluoromethane	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1
Vinyl chloride	ND		2.4		ug/Kg	☼	06/10/15 09:50	06/11/15 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*71 - 136*	*06/10/15 09:50*	*06/11/15 23:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*	*06/10/15 09:50*	*06/11/15 23:00*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 132*	*06/10/15 09:50*	*06/11/15 23:00*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*	*06/10/15 09:50*	*06/11/15 23:00*	*1*
Trifluorotoluene (Surr)	*91*		*65 - 140*	*06/10/15 09:50*	*06/11/15 23:00*	*1*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		75		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Benzo[a]anthracene	ND		75		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Benzo[a]pyrene	ND		37		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Benzo[b]fluoranthene	ND		75		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Benzo[k]fluoranthene	ND		37		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2S
Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-6
Matrix: Solid
Percent Solids: 66.3

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		75		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Dibenz(a,h)anthracene	ND		37		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Indeno[1,2,3-cd]pyrene	ND		37		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5
Naphthalene	ND		37		ug/Kg	☼	06/16/15 16:30	06/22/15 21:32	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*80*		*42 - 151*	*06/16/15 16:30*	*06/22/15 21:32*	*5*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.036		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1221	ND		0.016		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1232	ND		0.016		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1242	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1248	ND		0.016		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1254	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1
PCB-1260	ND		0.015		mg/Kg	☼	06/22/15 09:22	06/23/15 22:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*50 - 140*	*06/22/15 09:22*	*06/23/15 22:49*	*1*
Tetrachloro-m-xylene	*71*		*45 - 135*	*06/22/15 09:22*	*06/23/15 22:49*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	**49**		37		mg/Kg	☼	06/12/15 10:47	06/13/15 04:50	1
Motor Oil (>C24-C36)	**320**		73		mg/Kg	☼	06/12/15 10:47	06/13/15 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*06/12/15 10:47*	*06/13/15 04:50*	*1*

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.25		mg/Kg	☼	06/16/15 07:49	06/16/15 19:44	10
Chromium	**19**		0.62		mg/Kg	☼	06/16/15 07:49	06/16/15 19:44	10
Lead	**8.3**		0.62		mg/Kg	☼	06/16/15 07:49	06/16/15 19:44	10
Nickel	**20**		0.62		mg/Kg	☼	06/16/15 07:49	06/16/15 19:44	10
Zinc	**64**		6.2		mg/Kg	☼	06/16/15 07:49	06/16/15 19:44	10

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 580-191912/1-A
Matrix: Solid
Analysis Batch: 191855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191912

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,1,2,2-Tetrachloroethane	ND		4.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,1,2-Trichloroethane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,1-Dichloroethane	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,2-Dichlorobenzene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,2-Dichloropropane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,3-Dichlorobenzene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
1,4-Dichlorobenzene	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Benzene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Bromodichloromethane	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Bromoform	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Bromomethane	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Carbon tetrachloride	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Chlorobenzene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Chloroethane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Chloroform	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Chloromethane	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
cis-1,2-Dichloroethene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Dibromochloromethane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
EDB	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
EDC	ND		1.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Ethylbenzene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Methyl tert-butyl ether	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Methylene Chloride	ND		15		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
m-Xylene & p-Xylene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
o-Xylene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Tetrachloroethene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Toluene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
trans-1,2-Dichloroethene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
trans-1,3-Dichloropropene	ND		10		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Trichloroethene	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Trichlorofluoromethane	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1
Vinyl chloride	ND		2.0		ug/Kg		06/11/15 17:08	06/11/15 17:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*75*		*71 - 136*	*06/11/15 17:08*	*06/11/15 17:18*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 120*	*06/11/15 17:08*	*06/11/15 17:18*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 132*	*06/11/15 17:08*	*06/11/15 17:18*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*	*06/11/15 17:08*	*06/11/15 17:18*	*1*
Trifluorotoluene (Surr)	*100*		*65 - 140*	*06/11/15 17:08*	*06/11/15 17:18*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 580-191912/2-A
Matrix: Solid
Analysis Batch: 191855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	40.0	38.9		ug/Kg		97	63 - 135
1,1,2,2-Tetrachloroethane	40.0	48.7		ug/Kg		122	73 - 125
1,1,2-Trichloroethane	40.0	46.4		ug/Kg		116	77 - 124
1,1-Dichloroethane	40.0	43.9		ug/Kg		110	70 - 128
1,1-Dichloroethene	40.0	40.1		ug/Kg		100	70 - 133
1,2-Dichlorobenzene	40.0	46.4		ug/Kg		116	79 - 117
1,2-Dichloropropane	40.0	46.0		ug/Kg		115	76 - 161
1,3-Dichlorobenzene	40.0	43.0		ug/Kg		107	79 - 119
1,4-Dichlorobenzene	40.0	41.9		ug/Kg		105	79 - 117
Benzene	40.0	44.3		ug/Kg		111	70 - 128
Bromodichloromethane	40.0	39.9		ug/Kg		100	58 - 133
Bromoform	40.0	40.0		ug/Kg		100	50 - 124
Bromomethane	49.9	53.6		ug/Kg		107	57 - 148
Carbon tetrachloride	40.0	38.7		ug/Kg		97	59 - 145
Chlorobenzene	40.0	43.1		ug/Kg		108	75 - 120
Chloroethane	50.0	51.9		ug/Kg		104	48 - 167
Chloroform	40.0	41.2		ug/Kg		103	78 - 125
Chloromethane	50.1	47.5		ug/Kg		95	55 - 136
cis-1,2-Dichloroethene	40.0	45.2		ug/Kg		113	70 - 130
cis-1,3-Dichloropropene	40.0	50.3		ug/Kg		126	69 - 129
Dibromochloromethane	40.0	45.7		ug/Kg		114	42 - 129
EDB	40.0	43.7		ug/Kg		109	69 - 126
EDC	40.0	39.5		ug/Kg		99	71 - 128
Ethylbenzene	40.0	45.6		ug/Kg		114	78 - 126
Methyl tert-butyl ether	40.0	47.5		ug/Kg		119	65 - 125
Methylene Chloride	40.0	43.0		ug/Kg		108	57 - 146
m-Xylene & p-Xylene	40.0	45.0		ug/Kg		113	78 - 126
o-Xylene	40.0	48.8		ug/Kg		122	77 - 127
Tetrachloroethene	40.0	44.0		ug/Kg		110	56 - 155
Toluene	40.0	45.2		ug/Kg		113	75 - 126
trans-1,2-Dichloroethene	40.0	45.2		ug/Kg		113	76 - 131
trans-1,3-Dichloropropene	40.0	50.1		ug/Kg		125	72 - 129
Trichloroethene	40.0	43.0		ug/Kg		107	83 - 124
Trichlorofluoromethane	50.1	45.9		ug/Kg		92	47 - 165
Vinyl chloride	50.0	45.5		ug/Kg		91	67 - 131

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*71 - 136*
4-Bromofluorobenzene (Surr)	*98*		*70 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 132*
Toluene-d8 (Surr)	*106*		*80 - 120*
Trifluorotoluene (Surr)	*93*		*65 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 580-191912/3-A
Matrix: Solid
Analysis Batch: 191855

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191912

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	40.0	37.8		ug/Kg		95	63 - 135	3	20
1,1,2,2-Tetrachloroethane	40.0	51.6	*	ug/Kg		129	73 - 125	6	22
1,1,2-Trichloroethane	40.0	47.1		ug/Kg		118	77 - 124	2	18
1,1-Dichloroethane	40.0	45.4		ug/Kg		113	70 - 128	3	21
1,1-Dichloroethene	40.0	38.6		ug/Kg		96	70 - 133	4	23
1,2-Dichlorobenzene	40.0	46.9		ug/Kg		117	79 - 117	1	17
1,2-Dichloropropane	40.0	47.5		ug/Kg		119	76 - 161	3	15
1,3-Dichlorobenzene	40.0	43.0		ug/Kg		107	79 - 119	0	17
1,4-Dichlorobenzene	40.0	42.4		ug/Kg		106	79 - 117	1	18
Benzene	40.0	44.9		ug/Kg		112	70 - 128	1	19
Bromodichloromethane	40.0	42.8		ug/Kg		107	58 - 133	7	19
Bromoform	40.0	40.6		ug/Kg		101	50 - 124	1	25
Bromomethane	49.9	53.0		ug/Kg		106	57 - 148	1	29
Carbon tetrachloride	40.0	36.5		ug/Kg		91	59 - 145	6	19
Chlorobenzene	40.0	43.8		ug/Kg		110	75 - 120	2	21
Chloroethane	50.0	50.5		ug/Kg		101	48 - 167	3	53
Chloroform	40.0	43.8		ug/Kg		109	78 - 125	6	17
Chloromethane	50.1	46.8		ug/Kg		93	55 - 136	1	26
cis-1,2-Dichloroethene	40.0	47.4		ug/Kg		119	70 - 130	5	19
cis-1,3-Dichloropropene	40.0	50.1		ug/Kg		125	69 - 129	0	19
Dibromochloromethane	40.0	47.0		ug/Kg		118	42 - 129	3	23
EDB	40.0	45.3		ug/Kg		113	69 - 126	4	21
EDC	40.0	41.6		ug/Kg		104	71 - 128	5	18
Ethylbenzene	40.0	44.1		ug/Kg		110	78 - 126	3	23
Methyl tert-butyl ether	40.0	51.9	*	ug/Kg		130	65 - 125	9	30
Methylene Chloride	40.0	45.6		ug/Kg		114	57 - 146	6	21
m-Xylene & p-Xylene	40.0	44.4		ug/Kg		111	78 - 126	1	23
o-Xylene	40.0	48.2		ug/Kg		121	77 - 127	1	22
Tetrachloroethene	40.0	40.3		ug/Kg		101	56 - 155	9	27
Toluene	40.0	43.6		ug/Kg		109	75 - 126	4	19
trans-1,2-Dichloroethene	40.0	45.7		ug/Kg		114	76 - 131	1	18
trans-1,3-Dichloropropene	40.0	51.2		ug/Kg		128	72 - 129	2	20
Trichloroethene	40.0	42.0		ug/Kg		105	83 - 124	2	17
Trichlorofluoromethane	50.1	42.9		ug/Kg		86	47 - 165	7	54
Vinyl chloride	50.0	39.1		ug/Kg		78	67 - 131	15	22

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*71 - 136*
4-Bromofluorobenzene (Surr)	*97*		*70 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*
Trifluorotoluene (Surr)	*86*		*65 - 140*

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-192329/1-A
Matrix: Solid
Analysis Batch: 192847

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		10		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Benzo[a]anthracene	ND		10		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Benzo[a]pyrene	ND		5.0		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Benzo[b]fluoranthene	ND		10		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Chrysene	ND		10		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		06/16/15 16:30	06/22/15 13:13	1
Naphthalene	ND		5.0		ug/Kg		06/16/15 16:30	06/22/15 13:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*77*		*42 - 151*	*06/16/15 16:30*	*06/22/15 13:13*	*1*

Lab Sample ID: LCS 580-192329/2-A
Matrix: Solid
Analysis Batch: 192847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192329

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2-Methylnaphthalene			1000	699		ug/Kg		70	64 - 119		
Benzo[a]anthracene			1000	818		ug/Kg		82	76 - 119		
Benzo[a]pyrene			1000	843		ug/Kg		84	72 - 117		
Benzo[b]fluoranthene			1000	709		ug/Kg		71	63 - 132		
Benzo[k]fluoranthene			1000	932		ug/Kg		93	63 - 119		
Chrysene			1000	822		ug/Kg		82	75 - 114		
Dibenz(a,h)anthracene			1000	814		ug/Kg		81	56 - 134		
Indeno[1,2,3-cd]pyrene			1000	668		ug/Kg		67	56 - 127		
Naphthalene			1000	727		ug/Kg		73	62 - 112		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*75*		*42 - 151*

Lab Sample ID: LCSD 580-192329/3-A
Matrix: Solid
Analysis Batch: 192847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192329

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene			1000	765		ug/Kg		77	64 - 119	9	27
Benzo[a]anthracene			1000	853		ug/Kg		85	76 - 119	4	27
Benzo[a]pyrene			1000	909		ug/Kg		91	72 - 117	7	30
Benzo[b]fluoranthene			1000	747		ug/Kg		75	63 - 132	5	30
Benzo[k]fluoranthene			1000	1010		ug/Kg		101	63 - 119	8	30
Chrysene			1000	874		ug/Kg		87	75 - 114	6	26
Dibenz(a,h)anthracene			1000	872		ug/Kg		87	56 - 134	7	30
Indeno[1,2,3-cd]pyrene			1000	689		ug/Kg		69	56 - 127	3	29
Naphthalene			1000	795		ug/Kg		80	62 - 112	9	26

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 580-192329/3-A
Matrix: Solid
Analysis Batch: 192847

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192329

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Terphenyl-d14	*79*		*42 - 151*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 580-192812/1-A
Matrix: Solid
Analysis Batch: 193018

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192812

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.025		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1221	ND		0.011		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1232	ND		0.011		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1242	ND		0.010		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1248	ND		0.011		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1254	ND		0.010		mg/Kg		06/22/15 09:22	06/23/15 19:28	1
PCB-1260	ND		0.010		mg/Kg		06/22/15 09:22	06/23/15 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*50 - 140*	*06/22/15 09:22*	*06/23/15 19:28*	*1*
Tetrachloro-m-xylene	*76*		*45 - 135*	*06/22/15 09:22*	*06/23/15 19:28*	*1*

Lab Sample ID: LCS 580-192812/2-A
Matrix: Solid
Analysis Batch: 193018

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192812

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			0.100	0.0949		mg/Kg		95	40 - 140		
PCB-1260			0.100	0.103		mg/Kg		103	60 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*103*		*50 - 140*
Tetrachloro-m-xylene	*98*		*45 - 135*

Lab Sample ID: LCSD 580-192812/3-A
Matrix: Solid
Analysis Batch: 193018

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192812

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			0.100	0.0909		mg/Kg		91	40 - 140	4	20
PCB-1260			0.100	0.0974		mg/Kg		97	60 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*50 - 140*
Tetrachloro-m-xylene	*89*		*45 - 135*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 580-50678-5 MS
Matrix: Solid
Analysis Batch: 193018

Client Sample ID: T2C
Prep Type: Total/NA
Prep Batch: 192812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		0.109	0.0725		mg/Kg	☼	66	40 - 140
PCB-1260	ND	F1	0.109	0.0747		mg/Kg	☼	68	60 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*50 - 140*
Tetrachloro-m-xylene	*62*		*45 - 135*

Lab Sample ID: 580-50678-5 MSD
Matrix: Solid
Analysis Batch: 193018

Client Sample ID: T2C
Prep Type: Total/NA
Prep Batch: 192812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		0.110	0.0610		mg/Kg	☼	56	40 - 140	17	20
PCB-1260	ND	F1	0.110	0.0617	F1	mg/Kg	☼	56	60 - 130	19	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*52*		*50 - 140*
Tetrachloro-m-xylene	*51*		*45 - 135*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 580-191951/1-A
Matrix: Solid
Analysis Batch: 192016

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 191951

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
#2 Diesel (C10-C24)	ND		25		mg/Kg		06/12/15 10:46	06/12/15 22:55	1
Motor Oil (>C24-C36)	ND		50		mg/Kg		06/12/15 10:46	06/12/15 22:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*60*		*50 - 150*	*06/12/15 10:46*	*06/12/15 22:55*	*1*

Lab Sample ID: LCS 580-191951/2-A
Matrix: Solid
Analysis Batch: 192016

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 191951

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
#2 Diesel (C10-C24)			500	374		mg/Kg		75	70 - 125
Motor Oil (>C24-C36)			502	421		mg/Kg		84	64 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*72*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 580-191951/3-A
Matrix: Solid
Analysis Batch: 192016

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 191951

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
#2 Diesel (C10-C24)			500	374		mg/Kg		75	70 - 125	0	16
Motor Oil (>C24-C36)			502	424		mg/Kg		84	64 - 127	1	17

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*72*		*50 - 150*

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 580-192206/22-A
Matrix: Solid
Analysis Batch: 192381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192206

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		06/16/15 07:49	06/16/15 16:40	10
Chromium	ND		0.50		mg/Kg		06/16/15 07:49	06/16/15 16:40	10
Lead	ND		0.50		mg/Kg		06/16/15 07:49	06/16/15 16:40	10
Nickel	ND		0.50		mg/Kg		06/16/15 07:49	06/16/15 16:40	10
Zinc	ND		5.0		mg/Kg		06/16/15 07:49	06/16/15 16:40	10

Lab Sample ID: LCS 580-192206/23-A
Matrix: Solid
Analysis Batch: 192381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192206

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium			5.00	4.73		mg/Kg		95	80 - 120
Chromium			20.0	19.3		mg/Kg		97	80 - 120
Lead			50.0	48.9		mg/Kg		98	80 - 120
Nickel			50.0	48.1		mg/Kg		96	80 - 120
Zinc			200	194		mg/Kg		97	80 - 120

Lab Sample ID: LCSD 580-192206/24-A
Matrix: Solid
Analysis Batch: 192381

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192206

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium			5.00	4.72		mg/Kg		94	80 - 120	0	20
Chromium			20.0	19.6		mg/Kg		98	80 - 120	1	20
Lead			50.0	49.0		mg/Kg		98	80 - 120	0	20
Nickel			50.0	46.9		mg/Kg		94	80 - 120	2	20
Zinc			200	192		mg/Kg		96	80 - 120	1	20

Lab Sample ID: LCSSRM 580-192206/25-A
Matrix: Solid
Analysis Batch: 192381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192206

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium			96.0	92.3		mg/Kg		96.2	73.2 - 127.1

Method: 6020A - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 580-192206/25-A
Matrix: Solid
Analysis Batch: 192381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192206

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	136	134		mg/Kg		98.6	69.9 - 129.4
Lead	133	127		mg/Kg		95.3	72.9 - 127.8
Nickel	123	114		mg/Kg		92.9	73.1 - 128.5
Zinc	189	178		mg/Kg		94.2	69.8 - 130.7

Lab Chronicle

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T1N

Lab Sample ID: 580-50678-1
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA
Total/NA	Analysis	8260C		1	191855	06/11/15 20:48	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		50	192847	06/22/15 19:44	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 20:18	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		5	192016	06/13/15 03:13	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA
Total/NA	Analysis	6020A		10	192381	06/16/15 18:47	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Client Sample ID: TIC

Lab Sample ID: 580-50678-2
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA
Total/NA	Analysis	8260C		1	191855	06/11/15 21:15	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		50	192847	06/22/15 20:05	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 20:35	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		5	192016	06/13/15 03:30	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA
Total/NA	Analysis	6020A		10	192381	06/16/15 18:53	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Client Sample ID: TIS

Lab Sample ID: 580-50678-3
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA
Total/NA	Analysis	8260C		1	191855	06/11/15 21:41	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		50	192847	06/22/15 20:27	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 20:52	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	192016	06/13/15 06:27	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA

Lab Chronicle

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: TIS

Lab Sample ID: 580-50678-3
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6020A		10	192381	06/16/15 19:25	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Client Sample ID: T2N

Lab Sample ID: 580-50678-4
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 100.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA
Total/NA	Analysis	8260C		1	191855	06/11/15 22:07	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		1	192847	06/22/15 20:49	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 21:09	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	192016	06/13/15 04:18	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA
Total/NA	Analysis	6020A		10	192381	06/16/15 19:31	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Client Sample ID: T2C

Lab Sample ID: 580-50678-5
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA
Total/NA	Analysis	8260C		1	191855	06/11/15 22:33	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		1	192847	06/22/15 21:11	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 21:25	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	192016	06/13/15 04:34	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA
Total/NA	Analysis	6020A		10	192381	06/16/15 19:38	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Client Sample ID: T2S

Lab Sample ID: 580-50678-6
Date Collected: 06/09/15 10:00
Matrix: Solid
Date Received: 06/10/15 15:56
Percent Solids: 66.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			191912	06/10/15 09:50	SOC	TAL SEA

Lab Chronicle

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Client Sample ID: T2S

Date Collected: 06/09/15 10:00
Date Received: 06/10/15 15:56

Lab Sample ID: 580-50678-6

Matrix: Solid
Percent Solids: 66.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	191855	06/11/15 23:00	JMB	TAL SEA
Total/NA	Prep	3546			192329	06/16/15 16:30	DCV	TAL SEA
Total/NA	Analysis	8270D SIM		5	192847	06/22/15 21:32	ERB	TAL SEA
Total/NA	Prep	3546			192812	06/22/15 09:22	DCV	TAL SEA
Total/NA	Analysis	8082A		1	193018	06/23/15 22:49	ALC	TAL SEA
Total/NA	Prep	3546			191951	06/12/15 10:47	DCC	TAL SEA
Total/NA	Analysis	NWTPH-Dx		1	192016	06/13/15 04:50	EKK	TAL SEA
Total/NA	Prep	3050B			192206	06/16/15 07:49	MKN	TAL SEA
Total/NA	Analysis	6020A		10	192381	06/16/15 19:44	FCW	TAL SEA
Total/NA	Analysis	D 2216		1	191959	06/12/15 10:58	DCC	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-17
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
US Fish & Wildlife	Federal		LE192332-0	02-28-16
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-16

Sample Summary

Client: PLSA Engineering & Surveying
Project/Site: PLSA Engineering

TestAmerica Job ID: 580-50678-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-50678-1	T1N	Solid	06/09/15 10:00	06/10/15 15:56
580-50678-2	TIC	Solid	06/09/15 10:00	06/10/15 15:56
580-50678-3	TIS	Solid	06/09/15 10:00	06/10/15 15:56
580-50678-4	T2N	Solid	06/09/15 10:00	06/10/15 15:56
580-50678-5	T2C	Solid	06/09/15 10:00	06/10/15 15:56
580-50678-6	T2S	Solid	06/09/15 10:00	06/10/15 15:56

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
phone 253.922.2310 fax

580-50678 Chain of Custody

ord

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

6/26/2015

Regulatory Progr.

Client Contact	Project Manager: Scott Garland	Site Contact: Scott Garland	Date: 5-21-2015	COC No:
PLSA Engineering	Tel/Fax: 509-575-6990	Lab Contact:	Carrier:	1 of 1 COCs
1120 West Lincoln Avenue	Analysis Turnaround Time			Sampler: SDG
Yakima, WA 98902	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(509) 575-6990 Phone	TAT if different from Below _____			Walk-in Client:
(509) 575-6993 FAX	☑ 2 weeks			Lab Sampling:
Project Name:Don Copp	☐ 1 week			
Site: 6th Ave. UST	☐ 2 days			Job No.:
P O # PLSA15073	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	NW TPH-DX	cPAHs	BTEX	Ethylene Dibromide (EDB)	Ethylene Dichloride (EDC)	MTBE	Lead	PCBs	Halogenated VOCs	n-Hexane	Naphthalene	2-methyl naphthalene	Cadmium	Nickel	Zinc	Chromium	Sample Specific Notes:
T1N	9-Jun	10 AM	G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T1C	9-Jun		G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T1S	9-Jun		G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T2N	9-Jun		G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T2C	9-Jun		G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T2S	9-Jun		G	S	1	N		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Cooler/TB Dig/IR cor 5.1 unc 5.0 (1)
Cooler Dsc MED R/W @Lab
Wet/Packs Packing BUBBLE
wCS FED PO

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☑ Archive for 1 Months

Special Instructions/QC Requirements & Comments: If chromium concentrations confirmed, test for Chromium VI concentration.

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.: 238098	Cooler Temp. (°C): Obs'd: 4°	Corr'd:	Therm ID No.:

Relinquished by: Scott Garland	Company: PLSA Engineering	Date/Time: 9-6-15 12:35	Received by: Arabella	Company: TA sea	Date/Time: 6/10/15 0940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: PLSA Engineering & Surveying

Job Number: 580-50678-1

Login Number: 50678
List Number: 1
Creator: Rivers, Zachary V

List Source: TestAmerica Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	False	Received Trip Blanks not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendices II

Site Assessment Checklist

UNDERGROUND STORAGE TANK
Site Check/Site Assessment Checklist

FOR OFFICE USE ONLY
Site #:_____
Facility Site ID #:_____

INSTRUCTIONS

When a release has not been confirmed and reported, this Site Check/Site Assessment Checklist must be completed and signed by a person certified by ICC or a Washington registered professional engineer who is competent, by means of examination, experience, or education, to perform site assessments. **The results of the site check or site assessment must be included with this checklist.** This form must be submitted to Ecology at the address shown below within 30 days after completion of the site check/site assessment.

SITE INFORMATION: Include the Ecology site ID number if the tanks are registered with Ecology. This number may be found on the tank owner's invoice or tank permit.

TANK INFORMATION: Please list all tanks for which the site check or site assessment is being conducted. Use the owner's tank ID numbers if available, and indicate tank capacity and substance stored.

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT: Please check the appropriate item.

CHECKLIST: Please initial each item in the appropriate box.

SITE ASSESSOR INFORMATION: This information must be signed by the registered site assessor who is responsible for conducting the site check/site assessment.

Underground Storage Tank Section
Department of Ecology
PO Box 47655
Olympia WA 98504-7655

SITE INFORMATION

Site ID Number (Available from Ecology if the tanks are registered): **Not Available; Tanks Not Registerd**

Site/Business Name: **Don Copp Property**

Site Address: **400 South 6th Street** (Street) Telephone: (**509**) **952-4261**

Sunnyside (City) **WA** (State) **98903** (Zip Code)

TANK INFORMATION

Tank ID No.	Tank Capacity	Substance Stored
T1	3800 Gal.	Heating Oil
T2	1100 Gal.	Unknown

REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination.
_____ Investigate suspected release due to off-site environmental contamination.
_____ Extend temporary closure of UST system for more than 12 months.
_____ UST system undergoing change-in-service.
__X__ UST system permanently closed with tank removed.
_____ Abandoned tank containing product.
_____ Required by Ecology or delegated agency for UST system closed before 12/22/88.
_____ Other (describe): _____

CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.	YES	NO
1. The location of the UST site is shown on a vicinity map.	X	`
2. A brief summary of information obtained during the site inspection is provided. (see Section 3.2 in site assessment guidance)	X	
3. A summary of UST system data is provided. (see Section 3.1.)	X	
4. The soils characteristics at the UST site are described. (see Section 5.2)	X	
5. Is there any apparent groundwater in the tank excavation?		X
6. A brief description of the surrounding land use is provided. (see Section 3.1)	X	
7. Information has been provided indicating the number and types of samples collected, methods used to collect and analyze the samples, and the name and address of the laboratory used to perform the analyses.	X	
8. A sketch or sketches showing the following items is provided:		
- location and ID number for all field samples collected	X	
- groundwater samples distinguished from soil samples (if applicable)	N/A	
- samples collected from stockpiled excavated soil	N/A	
- tank and piping locations and limits of excavation pit	X	
- adjacent structures and streets	X	
- approximate locations of any on-site and nearby utilities	X	
9. If sampling procedures different from those specified in the guidance were used, has justification for using these alternative sampling procedures been provided? (see Section 3.4)	N/A	
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method and detection limit for that method.	X	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	N/A	

12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred.	X	

SITE ASSESSOR INFORMATION

Scott Garland, P.E. — Person registered with Ecology

PLSA Engineering & Surveying — Firm Affiliated with

Business Address: **1120 West Lincoln Avenue** (Street) Telephone: (**509**) **575-6990**

Yakima (City) **WA** (State) **98902** (Zip Code)

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

8-3-2015 (Date)

Scott D. Garland (Signature of Person Registered with Ecology)

If you need this publication in an alternate format, please contact Toxics Cleanup Program at (360) 407-7170. For persons with a speech or hearing impairment call 711 for relay service or 800-833-6388 for TTY.