

#### PREPARED FOR

#### COPPER RIVER APARTMENTS, LLC

January 4, 2017 Revised January 13, 2017

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CLEANUP SUMMARY REPORT SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

ES-4332.01

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#### **EXECUTIVE SUMMARY**

This Cleanup Summary Report documents the excavation and removal of petroleum, lead, and methylene chloride impacted soil at the Sisters Of The Holy Names site (subject site) located at 2911 West Fort George Wright Drive in Spokane, Washington (see Vicinity Map - Plate 1). This report includes documentation concerning soil observations and analytical testing conducted during and following the removal of approximately 8,204 tons of petroleum, lead, and methylene chloride impacted soil associated with a former skeet shooting range and designated "New Landfill" area located along the eastern and northeastern portions of the site. The petroleum, lead, and methylene chloride impacted soil was transported off-site for disposal at Waste Management's Graham Road Landfill in Spokane, Washington.

Confirmatory soil sample analytical results indicated that all petroleum and lead impacted soil was successfully removed from the former skeet shooting range excavation areas to concentrations below Department of Ecology's (Ecology) Model Toxics Cleanup Act (MTCA) Method A unrestricted soil cleanup levels (see Plate 2). Additionally, confirmatory soil sample analytical results indicated that all methylene chloride impacted soil was successfully removed from the designated "New Landfill" area at the site. However, during the course of soil remediation activities, petroleum and lead contaminated soil was excavated from a sewer pipeline trench bisecting the site and was deposited at the designated "New Landfill" area, completely sealed underneath geotextile fabric and six feet of clean soil. The lateral and vertical extent of the petroleum and lead soil contamination capped within the "New Landfill" area (now referred to as the "Southern Parcel) is depicted on Plates 3 through 6.

The cleanup action at the site began on October 19, 2016 and was completed on November 8, 2016. Our findings indicate: (1) petroleum, lead, and methylene impacts to soil at the property were fully characterized; (2) petroleum, lead, and methylene impacted soil was effectively removed from the former skeet shooting range, skeet shooting ridge area, New Landfill area, and sewer pipeline trench; (3) petroleum and lead impacted soil excavated from the sewer pipeline trench was deposited at the designated New Landfill area and completely capped with geotextile fabric and 6 feet of clean soil; (4) the New Landfill area was separated from the planned multi-family redevelopment area of the property into a new designated land parcel (referred to as the "Southern Parcel") which contains the designated "New Landfill" area; (5) the petroleum and lead impacted soil capped within the designated "Southern Parcel" area does not present an exposure risk to site occupants or potential contamination risk to surrounding areas of the site if left capped and undisturbed; and (6) no further remediation action is necessary at the property.

Based on our findings, ESNW recommends the following actions:

- 1. Petroleum and lead impacted soil capped within the New Landfill area of the southern parcel should not be removed or disturbed without prior approval from Ecology.
- 2. All contractors and maintenance personnel performing work at the southern parcel, including potential future buyers of the southern parcel, should be notified of the existence of the capped impacted soil to avoid disturbing the material.
- 3. A copy of this Cleanup Summary Report should be submitted to Ecology's Eastern Regional office located in Spokane, Washington with a request for a Property Specific No Further Action review under the Voluntary Cleanup Program.

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#### 1.0 INTRODUCTION AND BACKGROUND

Earth Solutions NW, LLC (ESNW) has prepared this Cleanup Summary Report on behalf of Copper River Apartments, LLC for the Sisters Of The Holy Names property, located at 2911 West Fort George Wright Drive in Spokane, Washington (subject property). The general location of the subject property is illustrated on Plate 1. The subject property consists of two irregular shaped tax parcels comprising a combined total of approximately 34-acres of land area. The site is currently developed with a multi-story convent facility constructed in 1968 and is equipped with a chapel, administrative offices, and convent living facilities. Remaining areas of the site consist of asphalt-paved driveways, parking lots, and undeveloped forested land that surrounds the convent facility.

Historically, the subject property was part of the George Wright Military Reservation (Fort Wright) established in 1899. Fort Wright occupied over 1,000 acres, most of which was located north of the subject property which is currently developed with the Spokane Falls Community College. The subject property remained largely undeveloped during Fort Wright's operations; however, Fort Wright allowed the Spokane Gun Club to operate an outdoor shotgun skeet shooting range on the property from 1919 to 1949. Fort Wright was transferred from the U.S. Army to the U.S. Air Force before closure as a military base in 1958. After closure, the Fort Wright property was divided and sold. The subject property was purchased by the Sisters Of The Holy names of Jesus and Mary and the existing convent building was constructed in 1968. The subject property consists of the existing Convent facility and the surrounding undeveloped acreage.

Subsurface investigations conducted at the subject property between 2015 and 2016 confirmed that the historical use of the eastern and northeastern portions of the property as an outdoor skeet shooting range impacted shallow soils with elevated levels of diesel and heavy oil range petroleum hydrocarbons, carcinogenic polycyclic aromatic hydrocarbons (cPAHs), and lead exceeding Washington Department of Ecology's (Ecology) Model Toxics Cleanup Act (MTCA) Method A unrestricted soil cleanup levels. Additionally, elevated levels of methylene chloride exceeding Ecology's MTCA Method A methylene chloride soil cleanup level was identified in one soil sample collected from the designated "New Landfill" area located within the Southern Parcel occupying the site.

This report summarizes the field procedures, findings, and recommendations associated with the petroleum, lead, and methylene chloride impacted soil cleanup action performed at the site between October 19, 2016 and November 8, 2016. This program consisted of the removal and proper off-site disposal of approximately 8,204 tons of petroleum, lead, and methylene chloride impacted soil located along the eastern and northeastern portions of the site. Additionally, this program consisted of the excavation and removal of petroleum and lead impacted soil from an existing sewer pipeline trench bisecting the property and depositing the impacted soil at the designated "New Landfill" area (currently referred to as the "Southern Parcel") and capping the impacted soil with geotextile fabric and 6-feet of clean soil.

#### 1.1 SITE LOCATION

The subject property is located south of West Fort George Wright Drive and is surrounded on three sides by the Spokane River. The property consists of two tax parcels comprising a combined total of approximately 34-acres of land area. The property's address is currently listed as 2911 West Forth George Wright Drive, Spokane, Washington. The site is currently developed with a multi-story convent facility constructed in 1968 with surrounding undeveloped acreage.

Sewer and water services are provided to the site by the City of Spokane. The surrounding land use consists primarily of Spokane Falls Community College, commercial facilities, single-family residential homes (located across the Spokane River), and undeveloped forested areas.

#### 1.2 SITE GEOLOGY AND HYDROGEOLOGY

Based on our observations during the course of soil remediation activities, soil conditions at the site consisted of top soil mixed with vegetation debris, gravel, and varying sized rock cobbles at depths ranging between 1.5 to 2.0 feet below the ground surface (bgs). Loose to slightly dense silty sand with fine to coarse gravel underlies the top soil at depths ranging between 2 to 20 feet bgs. Groundwater was not encountered during site excavation and cleanup activities.

According to a March 17, 2016 Geotechnical Evaluation report prepared for the subject property by Inland Pacific Engineering Company (IPEC), groundwater is expected to be encountered within the site area between 75 feet to about 95 feet bgs. Groundwater in the site area occurs in an unconfined aquifer composed of unconsolidated sediment. Fluctuations in this flood gravel water table may occur seasonally in response to surface water recharge and precipitation. The inferred groundwater flow direction at the site is estimated to be towards the west, east, and south; towards the Spokane River.

# 1.3 PREVIOUS SITE INVESTIGATIONS

Several environmental investigations were performed on the property between 2015 and 2016 by Cascade Earth Sciences (CES) and ESNW. The following sections provide a summary of the previous environmental investigations performed at the site.

### 1.3.1 2014 Phase I ESA (CES)

A Phase I ESA of the subject site conducted by CES in July 2014 identified the following Recognized Environmental Conditions (RECs) associated with the site: two unlined, undocumented landfills (referred to as the "Old Landfill" and "New Landfill"), an outdoor skeet shooting range, and a trash incinerator that was formerly associated with the on-site convent building. In addition to the RECs identified, there were reported remnants of structures (identified as "bunkers" in CES's July 2014 Phase I ESA report) located in a forested area northeast of the convent building. The Phase I ESA report identified the bunkers as a potential REC based on their unknown history and association with the historical use of the site as a military fort called Fort Wright. Recommendations contained in CES's July 29, 2014 Phase I ESA report included performing a subsurface investigation within the old and new landfill areas, outdoor skeet shooting range, former bunkers, and collecting shallow soil samples along the prevailing downwind areas of the former incinerator.

# 1.3.2 2015 Subsurface Investigation (CES)

Based on the findings and recommendations contained in CES's July 29, 2014 Phase I ESA report, CES performed a Phase II ESA (subsurface investigation) at the site during May 2015. According to CES's May 14, 2015 Phase II ESA report, one soil sample was collected from shallow soil excavations at each of the on-site landfills, two soil samples were collected from shallow soil excavations at the outdoor skeet shooting range, two soil samples were collected from shallow soil excavations at ash deposit areas discovered at the property, and eight shallow soil samples were collected in a grid pattern along the prevailing downwind area of the former incinerator. Analytical results of the soil samples revealed elevated levels of cPAHs, total lead, diesel and heavy oil range petroleum hydrocarbons exceeding MTCA Method A unrestricted soil cleanup levels in shallow soil samples collected from the former outdoor skeet shooting range. Soil samples collected from the old and new landfill areas, bunker areas, ash deposit areas, and downwind of the former incinerator reportedly did not contain concentrations of cPAHs, heavy metals, gasoline, diesel, and heavy oil range petroleum hydrocarbons exceeding MTCA soil cleanup levels.

The extent of diesel and heavy oil range petroleum hydrocarbons, cPAHs, and total lead in soil at the former skeet shooting range was not fully characterized during CES's May 14, 2015 Phase II ESA assessment but was suspected to extend throughout a large grass covered area along the north and northeast portion of the property. Additionally, only one soil sample was collected from the new landfill area and this sample was reported not to be impacted with contaminants. Recommendations contained in CES's May 14, 2015 Phase II ESA report included the removal and proper disposal of lead, cPAH, diesel and heavy oil range petroleum impacted soil from the outdoor skeet shooting range.

# 1.3.3 2016a Subsurface Investigation (ESNW)

A March 9, 2016 Supplemental Phase II ESA investigation of the subject site completed by ESNW revealed elevated concentrations of diesel and heavy oil range petroleum hydrocarbons and/or total lead in 15 of 24 total soil samples collected at a depth of 0.5 feet bgs throughout the former skeet shooting range area that exceeded MTCA Method A unrestricted land use soil cleanup levels. Deeper soil samples collected from the test pit excavations at 2 feet bgs throughout the former skeet shooting range did not contain diesel or heavy oil range petroleum hydrocarbons or total lead at levels exceeding MTCA Method A unrestricted land use soil cleanup levels. An additional two shallow soil samples collected at 0.5 feet bgs from the former bunker pit excavations were reported to contain elevated levels of heavy oil range petroleum hydrocarbons or total lead exceeding MTCA Method A soil cleanup levels. Soil samples collected from test pits excavated throughout the new landfill area at the site revealed elevated levels of methylene chloride and heavy oil range petroleum hydrocarbons exceeding MTCA Method A soil cleanup levels from four shallow soil samples ranging between 3 and 5 feet bgs. All remaining soil samples collected at the site did not contain chemical constituents exceeding MTCA Method A soil cleanup levels.

## 1.3.4 2016b Subsurface Investigation (ESNW)

An April 5, 2016 Second Supplemental Phase II ESA investigation completed at the site by ESNW revealed elevated levels of diesel and heavy oil range petroleum hydrocarbons in 4 soil samples and total lead in one soil sample collected along the former skeet shooting range plateau ridge area as exceeding Ecology's MTCA Method A unrestricted land use soil cleanup levels. All other soil samples collected from test pits excavated throughout the former skeet shooting range plateau ridge area did not contain diesel or heavy oil range petroleum hydrocarbons or total lead at levels exceeding MTCA Method A unrestricted land use soil cleanup levels.

Based on the results of ESNW's April 5, 2016 investigation, as well as the previous March 9, 2016 Supplemental Phase II ESA investigation completed by ESNW, the extent of diesel and heavy oil range petroleum hydrocarbons and total lead soil contamination identified at the site appeared to extend throughout the former skeet shooting range and includes the north and south sloped ridge areas located immediately east and northeast of the skeet shooting range to a distance of roughly 100 yards from the former bunker pits.

#### 1.4 CHEMICALS AND MEDIA OF CONCERN

Based on the findings of the subsurface investigations performed by CES and ESNW between 2015 and 2016, the chemicals of concern (COCs) identified at the site included the following:

- 1. Diesel range petroleum hydrocarbons in soil.
- 2. Heavy oil range petroleum hydrocarbons in soil.
- 3. cPAHs in soil.
- 4. Lead in soil.
- 5. Methylene chloride in soil.

Groundwater was not encountered at the site during any of the subsurface investigations performed between 2015 and 2016 and during soil remediation activities performed at the site between October 19, 2016 and November 8, 2016.

#### 2.0 SCOPE OF SERVICES

ESNW's scope of services regarding site cleanup described herein were to: (1) observe the excavation and removal of petroleum hydrocarbon, lead, and methylene chloride impacted soil at the site; (2) collect confirmatory soil samples within the excavation areas following removal of impacted soils; and (3) document the field procedures and subsurface findings associated with site cleanup.

In order to accomplish the project objectives, the following scope of services were conducted:

- Providing environmental personnel and equipment for conducting soil screening during impacted soil excavation activities at the site.
- Confirmatory soil sample collection from the excavated areas to assess project completeness.
- Submitting collected soil samples to a State Certified laboratory for analytical testing.
- Preparation of this cleanup summary report summarizing field activities, analytical results, and conclusions.

#### 2.1 CLEANUP STANDARDS

The selected cleanup activity for the Sisters Of The Holy Names property complies with MTCA cleanup regulations specified in WAC 173-340 and with applicable state and federal laws. The associated media-specific cleanup levels for the identified COCs are summarized in the following Section.

#### 2.1.1 Cleanup Levels

The cleanup levels selected for the Sisters Of The Holy Names property are the MTCA Method A Unrestricted Land Use Cleanup Levels for soil.

#### 2.1.2 Points of Compliance

The point of compliance for impacted soil excavated at the site was achieved when concentrations of COCs in soil following excavation activities were below the applicable MTCA Method A cleanup levels, in accordance with WAC 173-340-740(6).

#### 3.0 FIELD PROCEDURES

#### 3.1 SOIL EXCAVATION

Peck & Peck Excavating, Inc. (Peck & Peck), a licensed excavation contractor, was retained by Copper River Apartments, LLC to complete petroleum, lead, and methylene chloride impacted soil excavation at the property and transport impacted soil to Waste Management's Graham Road landfill in Spokane, Washington.

Copper River Apartments, LLC obtained the necessary approvals prior to excavating impacted soil at the site. All petroleum, lead, and methylene chloride impacted soil removed from the excavation areas at the site was loaded into trucks by Peck & Peck and transported off-site for burial at Waste Management's Graham Road landfill. Copies of waste soil profile information sheet and weight tickets are included in Appendix A.

A site assessor from ESNW observed the impacted soil excavation and removal activities. The site assessor documented the subsurface materials encountered in the excavations, recorded methylene chloride organic vapor readings using a photoionization detector (PID), and collected confirmatory soil samples. Indications of clay pigeon debris, staining, discoloration, odors, or other relevant factors indicative of a release of petroleum into the exposed soils were also noted.

Between October 19, 2016 and November 8, 2016, Peck & Peck removed approximately 8,204 tons of petroleum, lead, and methylene chloride impacted soil located throughout the former skeet shooting range, skeet ridge area located immediately east of the former skeet shooting range, and New Landfill area and loaded the waste soil into trucks that transported the soil to Waste Management's Graham Road landfill in Spokane, Washington. Specifically, following the removal of pine trees covering the site area, diesel and heavy oil range petroleum hydrocarbons, cPAHs, and lead impacted soil was excavated throughout the former skeet shooting range area using a mechanical backhoe to a depth of at least 2.0 feet bgs. Removal of elevated concentrations of diesel and heavy oil range petroleum hydrocarbons, cPAHs, and lead impacted soil identified in four 2016 test pit excavations along the skeet ridge area located immediately east of the former skeet shooting range was excavated using a mechanical backhoe to a depth of at least 2.0 feet bgs at a 10-foot diameter around each location. Removal of methylene chloride, diesel and heavy oil range petroleum hydrocarbons, cPAHs, lead impacted soil from the New Landfill area was excavated using a mechanical backhoe to depths ranging between 5 to 7 feet bgs at a 10-foot diameter around each location. Soil remediation activities also included the removal of all surficial clay pigeon debris observed throughout the former skeet shooting range and skeet ridge area located immediately east of the former skeet shooting range using a mechanical backhoe.

Waste characterization soil samples collected during the course of excavation activities (see Table 1) revealed elevated concentrations of heavy oil range petroleum hydrocarbons ranging between 3,800 mg/kg and 4,400 mg/kg and total cPAH concentrations ranging between 0.37 mg/kg and 77.09 mg/kg. Diesel range petroleum hydrocarbons and total lead concentrations were reportedly below MTCA Method A soil cleanup levels. However, regardless of the waste soil characterization sample results, remedial activities continued based on visual presence of contaminated soils observed within the excavations.

During impacted soil removal activities along the southern end of the former skeet shooting range area, heavy concentrations of clay pigeon debris mixed with soil was discovered in a sewer pipeline trench that intersected between the former skeet shooting range and New Landfill area (see Plates 3 through 6). The depths of the clay pigeon debris appeared to coincide with the depths of the sewer pipeline which ranged between 6 to approximately 20 feet bgs. The section of pipeline that extended within the planned multi-family redevelopment at the site (referred to as the "Northern Parcel") was excavated and the soil debris deposited at the New Landfill area using a mechanical backhoe. In accordance with Ecology's request, a layer of geotextile fabric was then placed over all of the contaminated soil, followed by 6-foot thick clean soil cap. The section of the site containing the New Landfill area and capped contaminated soil was separated into a new parcel (referred to as the "Southern Parcel") where a future pedestrian park will be developed.

At the conclusion of impacted soil removal activities, no indications of clay pigeon debris, stained or discolored soils were noted in the base or along the sidewalls of all of the excavations during impacted soil removal activities. No evidence of groundwater was encountered during excavation activities. Select photographs of impacted soil excavation activities are included in Appendix B.

#### 3.2 CONFIRMATION SOIL SAMPLING

All confirmation soil samples collected at the site were transferred into laboratory supplied glass sample jars and securely fitted with Teflon-lined plastic lids. Soil samples collected for methylene chloride analysis were obtained using plastic syringes in accordance with EPA's soil sampling Method 5035A and placed in laboratory supplied 40-millimeter VOA vials. A new syringe was used for every soil sample collected. Soil samples collected for diesel and heavy oil range petroleum hydrocarbons, cPAHs, and lead were transferred into 8-ounce glass jars supplied by the laboratory. Sample labels were fixed to all sample containers with the following information: sample number, owner name, date and time of collection, and sampler's initials. Sealed soil samples were stored in an ice chest containing blue ice and were maintained in a cooled condition until delivery later the same day to the analytical laboratory.

The soil samples were submitted to a State-certified laboratory, TestAmerica, Inc. (TestAmerica) located in Spokane, Washington for chemical analysis. Complete chain-of-custody records were transferred with the soil samples to the analytical laboratory. The laboratory analytical reports and chain-of-custody documentation are included in Appendix C.

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Confirmatory soil sampling was performed within all impacted soil excavation areas at the site. Each excavation varied in size and was sampled separately after visual inspections revealed the excavation to be adequately cleaned of petroleum, methylene chloride, and lead soil contamination. After each excavation was visually cleared, confirmatory soil sampling was performed to assess if the soil along the sidewalls and bottom of the excavation met regulatory cleanup levels. Additional excavation of impacted soil occurred at locations where confirmatory soil sample analytical results exceeded Ecology's MTCA Method A soil cleanup levels prior to re-testing those areas with follow-up confirmatory soil samples. All confirmatory soil sampling at the site was performed in accordance with Ecology's September 30, 2016 and October 12, 2016 confirmatory soil sampling plans. Confirmatory soil sample locations are depicted on Plate 2.

Between October 22, 2016 and November 8, 2016 a total of 25 confirmatory soil samples were collected throughout the former skeet shooting range excavation. Specifically, 10 confirmatory soil samples were collected along the north, south, east, and west sidewalls at depths ranging between 0.5 to 1.0 feet bgs. Fifteen confirmatory soil samples were collected from the bottom of the excavation at depths ranging between 2.0 to 3.0 feet bgs. The former skeet shooting range confirmatory soil sample analytical results are summarized in Table 2.

Between October 26, 2016 and November 3, 2016 a total of 28 confirmatory soil samples were collected within four 10-foot diameter impacted soil excavation areas identified and excavated throughout the designated "New Landfill" area located south of the skeet shooting range. Specifically, 24 of the confirmatory soil samples were collected from the north, south, east, and west sidewalls of each of the 10-foot diameter excavations at depths ranging between 3.0 and 5.0 feet bgs. (at depths where contaminated soil was previously identified during ESNW's subsurface investigations). The remaining 4 confirmatory soil samples were collected from the bottoms of each 10-foot diameter excavation at depths ranging between 5.0 and 7.0 feet bgs. (roughly 2.0 feet below where soil contamination was previously identified during ESNW's subsurface investigations). The New Landfill confirmatory soil sample analytical results are summarized in Table 3.

Between November 1, 2016 and November 2, 2016 a total of 20 confirmatory soil samples were collected within four 10-foot diameter impacted soil excavation areas identified and excavated throughout the skeet ridge area located immediately east of the former skeet shooting range. Sixteen of the 20 confirmatory soil samples were collected from the north, south, east, and west sidewalls of each of the 10-foot diameter excavations at depths ranging between 0.5 and 1.0 feet bgs. The remaining 4 confirmatory soil samples were collected from the bottoms of each 10-foot diameter excavation at depths ranging between 2.0 and 3.0 feet bgs. The skeet ridge area confirmatory soil sample analytical results are summarized in Table 4.

Between November 4, 2016 and November 8, 2016 a total of 11 confirmatory soil samples were collected from the sidewalls and bottom of the sewer pipeline trench excavation that was designated as being part of the multi-family development of the site ("Northern Parcel"). Four of the 11 confirmatory soil samples were collected along the sidewalls of the excavation. The remaining 7 confirmatory soil samples were collected from the bottom of the excavation. Confirmatory soil sampling within the sewer trench excavation was performed in accordance with a verbal agreement with Ecology. As previously mentioned in Section 3.1 of this report, impacted soil excavated from the sewer pipeline trench was deposited at the New Landfill area and completely covered with geotextile fabric and capped with 6-feet of clean soil. The sewer pipeline trench confirmatory soil sample analytical results are summarized in Table 5.

All confirmatory soil samples were submitted to TestAmerica and analyzed for one or more of the following:

- Diesel and heavy oil range petroleum hydrocarbons using NWTPH-Dx as the analytical method.
- cPAHs using EPA Method 8270D as the analytical method.
- Methylene chloride using EPA Method 8260C as the analytical method.
- Total lead using EPA Method 6010C as the analytical method.

Based on the analytical results, all confirmatory soil samples collected throughout the bottom and sidewalls of the former skeet shooting range excavation, skeet shooting ridge excavations, New Landfill excavations, and sewer pipeline trench excavation were reported by the laboratory as not containing diesel or heavy oil range petroleum hydrocarbons, cPAHs, methylene chloride, and total lead at concentrations exceeding MTCA Method A soil cleanup levels.

### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Confirmatory soil sample analytical results indicated that all petroleum and lead impacted soil was successfully removed from the property to concentrations below Ecology's MTCA Method A unrestricted soil cleanup levels. Additionally, confirmatory soil sample analytical results indicated that all methylene chloride impacted soil was successfully removed from the designated "New Landfill" area at the site. However, during the course of soil remediation activities, petroleum and lead contaminated soil was excavated from a sewer pipeline trench bisecting the site and was deposited at the designated "New Landfill" area, completely sealed underneath geotextile fabric and six feet of clean soil. The extent of the petroleum and lead soil contamination capped within the "New Landfill" area (now referred to as the "Southern Parcel) is depicted on Plate 3.

The cleanup action at the site began on October 19, 2016 and was completed on November 8, 2016. Our findings indicate: (1) petroleum, lead, and methylene impacts to soil at the property were fully characterized; (2) petroleum, lead, and methylene impacted soil was effectively removed from the former skeet shooting range, skeet shooting ridge area, New Landfill area, and sewer pipeline trench; (3) petroleum and lead impacted soil excavated from the sewer pipeline trench was deposited at the designated New Landfill area and completely capped with geotextile fabric and 6 feet of clean soil; (4) the New Landfill area was separated from the planned multi-family redevelopment area of the property into a new designated land parcel (referred to as the "Southern Parcel") which contains the designated "New Landfill" area; (5) the petroleum and lead impacted soil capped within the designated "Southern Parcel" area does not present an exposure risk to site occupants or potential contamination risk to surrounding areas of the site if left capped and undisturbed; and (6) no further remediation action is necessary at the property.

Based on our findings, ESNW recommends the following actions:

- 6. Petroleum and lead impacted soil capped within the New Landfill area of the southern parcel should not be removed or disturbed without prior approval from Ecology.
- 7. All contractors and maintenance personnel performing work at the southern parcel, including potential future buyers of the southern parcel, should be notified of the existence of the capped impacted soil to avoid disturbing the material.
- 8. A copy of this Cleanup Summary Report be submitted to Ecology's Eastern Regional office located in Spokane, Washington with a request for a Property Specific No Further Action review under the Voluntary Cleanup Program.

#### 5.0 LIMITATIONS

The conclusions presented in this report are ESNW's professional opinion based solely upon our visual observations and field screening during the excavation and removal of petroleum, lead, and methylene chloride impacted soil, as well as the analysis of the soil samples collected from the excavation. The results and conclusions are intended exclusively for the purpose outlined herein and for the site location and project indicated. Opinions and recommendations presented herein apply to site conditions existing at the time of ESNW's assessment and do not necessarily apply to future changes or other prior conditions at the site. ESNW's scope of services was limited to those items specifically identified in this report. Other activities not specifically included in this report are excluded

ESNW offers a range of environmental exploration services to suit the needs of our clients, including more quantitative explorations. Although risk can never be eliminated, more detailed and extensive explorations yield more information, which may help to better understand and manage site risks. Since such detailed services involve greater expense, we ask our clients to participate in identifying the level of service that will provide them with an acceptable level of risk. Please contact the signatories of this report if you would like to discuss this issue of risk further.

The property owner is solely responsible for notifying all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the project site. ESNW assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

This report is prepared for the sole use of our client. The scope of services performed during this assessment may not be appropriate for the needs of other users, and re-use of this document or the findings, conclusions, or recommendations presented herein is at sole risk of said user(s). Any party other than our client who would like to use this report shall notify ESNW of such intended use. Based on the intended use of the report, ESNW may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements will release ESNW from any liability resulting from the use of this report by any unauthorized party.

No warranty, either express or implied, is made.

# **Tables**

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WASTE SOIL CHARACTERIZATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON TABLE 1

Analytes	MTCA Method A cleanup level	MTCA Method B cleanup level	SP-1	SP-2	SP-3	SP-4	SP-5	SP-1
Sample Location	A STATE OF		Skeet Range	Sewer Trench				
Total Petroleum Hydrocarbons (mg/kg) Diesel	2000	t	380	80	1300	40	16	1200
Heavy Oil range	2000	1	1400	300	3800	120	45	4400
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)								
Benzo(a)pyrene	1	1	23	0.59	57	8	0.27	30
Benzo(a)anthracene	ı	1	16	0.41	42	2.6	0.23	21
Benzo(b)fluoranthene	1	ı	30	8.0	81	4.4	0.39	39
Benzo(k)fluoranthene	1	ı	10	0.3	25	1.6	0.14	14
Chrysene	ı	ij	19	0.51	49	2.8	0.27	28
Dibenzo(a,h)anthracene	1	ı	4.3	0.12	11	89.0	0.062	9
Indeno(1,2,3-cd)pyrene	1	ı	14	0.39	37	1.8	0.17	19
Total cPAHs (TTEC)	0.1	t	30.62	0.7971	77.09	4.136	0.3719	40.18
Total Metals (mg/kg) Lead	250	1	11	10	19	22	33	29
Note:								

Notes:

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mg/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit) (-) = Not established/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

SKEET SHOOTING RANGE CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

Analytes	MTCA Method A cleanup level cl	MTCA Method B cleanup level	3	23	3	3	3	9-5	ક	5	3	C-10
Sample Depth (Feet)			0.75	0.75	2.0	2.0	0.75	2.0	0.75	2.0	0.75	0.75
Sample Location			N Sidewall	N Sidewall	Bottom	Bottom	E Sidewall	Вонош	E Sidewall	Bottom	E Sidewall	E Sidewall
Total Petroleum Hydrocarbons (mg/kg) Diesel	2000	ī	*	*	•		*	*	*	*	33	*
Heavy Oil range	2000	î		٠	*	*	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)												
Benzo(a)pyrene	ı	ř	*	*	NA	*	AN	٠	*	NA	NA	N A
Benzo(a)anthracene	!	1	*	*	NA		NA	*	*	NA	NA	A'N
Benzo(b)fluoranthene	1	ī		*	NA	*	NA	*	*	ΝΑ	NA	NA
Benzo(k)fluoranthene	1	ã	*	*	NA A	*	NA	*	٠	NA	NA	NA
Chrysene	1	1	*	*	NA	*	NA VA	*	*	NA	NA	NA V
Dibenzo(a,h)anthracene	1	t	*	*	NA	*	NA	*	*	NA	NA	NA
Indeno(1,2,3-cd)pyrene	:	î	•	*	Y.A	*	NA A	*	*	NA	ΝΑ	NA
Total cPAHs (TTEC)	0.1	ï	*	*	NA	*	NA	•	٠	Ϋ́Z	Ϋ́	NA
V- U												
i otal Metais (mg/kg) Lead	250	i	8.3	8.1	6.9	6	8.4	2'6	7.5	7.1	10	00

 $\mathsf{MTCA} = \mathsf{Model} \ \mathsf{Toxics} \ \mathsf{Control} \ \mathsf{Act} \ (\mathsf{Method} \ \mathsf{A} \ \mathsf{Soil} \ \mathsf{Cleanup} \ \mathsf{Levels} \ \mathsf{Reported} \ \mathsf{in} \ \mathsf{mg/kg})$ 

nigkg = Milligrams per kilogram (\*) = Laboratory Analysis Method Reporting Limit) (\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit) (-.) = Not established/not applicable NA = Not analyzed NA = Not analyzed Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

TABLE 2
SKEET SHOOTING RANGE CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

Analytes	Method A M	MTCA Method B cleanup level	CIII	C-12	C-13	C14	C-15	C-16	C-17	C-18	C-19	C-20
Sample Depth (Feet)			2.0	0,75	0.75	2.0	2.0	0.75	0.75	2.0	0.75	0.75
Sample Location			Bottom	E Sidewall	E Sidewall	Bottom	Bottom	W Sidewall	E Sidewall	Bottom	E Sidewall	E Sidewall
Total Petroleum Hydrocarbons (mg/kg) Diesel	2000	3		•	*	*	*	*	*	*	33	999
Heavy Oil range	2000	<b>#</b>	ě	*	*	*	*	*	*	*	*	2100
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)												
Benzo(a)nyrene	ı		*	*	AN	NA AN	N.A	0.014	*	ΥZ	*	72
Benzo(a)anthracene	1	:	•	*	Ϋ́	NA	NA	0.011	*	Ϋ́Z	*	58
Benzo(b)fluoranthene	1	1	*	0.013	AN	NA	NA AN	0.018		NA AN	*	110
Benzo(k)fluoranthene	1	1	*	*	NA	NA	NA	*	*	AN	*	35
Chrysene	1	1	ě	*	AZ AZ	ΝΑ	NA A	0,012	*	NA	*	89
Dibenzo(a.h)anthracene	ı	1	*	*	AN	Ϋ́	AN	*	*	NA	•	12
Indeno(1.2.3-cd)pvrene	t	1	*	*	AN	NA	ΝΑ	*	٠	NA	*	34
Total cPAHs (TTEC)	0.1	ı	*	0.0013	NA	NA	NA	0.017	*	NA	*	97.58
Total Metals (mg/kg) Lead	250	ı	6.5	7.6	7.1	6.3	9.9	8.1	7.7	7.1	00	51
Notes:												

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

ing/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(--) = Not established/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

SKEET SHOOTING RANGE CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON TABLE 2

Analytes	MTCA Method A cleanup level	MTCA Method B cleanup level	C-20A	C-21	C-22	C-23	C-24	C-25
Sample Depth (Feet)			0.75	2.0	0.75	2.0	0.75	0.75
Sample Location			E Sidewall	Bottom	S Sidewall	Bottom	S Sidewall	W Sidewall
Total Petroleum Hydrocarbons (mg/kg) Diesel	2000	Ĭ	*	*	*	*	*	*
Heavy Oil range	2000	1	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)								
Benzo(a)pyrene	1	ŀ	0.059	NA AN	NA AN	0.01	NA	AN
Benzo(a)anthracene	ı	ł	0.05	NA AN	N AN	*	NA	NA
Benzo(b)fluoranthene	;	1	0.082	NA	NA	0.016	NA	NA
Benzo(k)fluoranthene	;	;	0.029	NA AN	NA	0.013	NA	NA AN
Chrysene	;	ŀ	0.063	NA	NA	*	NA	NA
Dibenzo(a,h)anthracene	:	ŧ	0.014	NA	NA	*	NA	NA A
Indeno(1,2,3-cd)pyrene	1	ı	0.034	NA	NA	*	Y'A	NA
Total cPAHs (TTEC)	0.1	ı	0.08	NA	NA	0.0129	NA	NA VA
Total Metals (mg/kg)				,	ı		,	(
Lead	250	<b>L</b> i	Z Y	7.2	7.2	10	5.6	7.8

Notes:

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mg/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(--) = Not established/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

NEW LANDFILL CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON TABLE 3

Analytes	MTCA Method A N	MTCA Method B cleanup level	C-26	czu	87:3	623	C-29A	C30	C31	C3IA	C-32	C.33
Sample Depth (Feet)			7.0	5.0	5.0	8.0	5.0	5.0	3:0	3.0	3.0	5.0
Sample Location			Bottom	N Sidewall	W Sidewall	S Sidewall	S Sidewall	E Sidewall	W Sidewall	W Sidewall	S Sidewall	Bottom
Total Petroleum Hydrocarbons (mg/kg)												
Diesel	2000	1	•	*	٠	1000	*	*	*	NA	*	•
Heavy Oil range	2000	1	*	*	*	3000	*	*	*	NA	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)												
Benzo(a)pyrene	þ	3	690.0	0.054	•	17		0.024	0.26	0.041	*	*
Benzo(a)anthracene	}	1	0.059	0.048	*	14	*	0.018	0.23	0.033	*	*
Benzo(b)fluoranthene	1	1	0.11	0,081	*	24	*	0,036	0.39	0.062	*	*
Benzo(k)fluoranthene	1	1	0.036	0.027	#	7.7	*	0.013	0.14	0.021	*	*
Chrysene	1	;	0.075	0.063	*	91	*	0.021	0.27	0.042	*	*
Dibenzo(a,h)anthracene	,	,	0.017	0.013	*	3.6	*	*	0.055	*	*	*
Indeno(1,2,3-cd)pyrene	,	t	0.041	0.033	*	=	*	0.015	0.15	0.02	*	*
Total cPAHs (TTEC)	0.1	1	960 0	0.0748	*	23.19	*	0.0324	0.3592	0.055	*	
Total Metals (mg/kg)												
Lead	250	E	8.5	4.7	6	17	NA	8.2	8.7	NA	8.7	6.7

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mg/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(-) = Not established/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

# NEW LANDFILL CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON TABLE 3

Analytes	Method A A	MTCA Method B cleanup level	C34	SS	953	C36A	C.36B	53	C37A	C.37B	C38	C-38A
Sample Depth (Feet)			3.0	3.0	4.0	4.0	4.0	4.0	4.0	4:0	4.0	4.0
Sample Location			N Sidewall	E Sidewall	W Sidewall	W Sidewall	W Sidewall	S Sidewall	S Sidewall	S Sidwall	N Sidewall	N Sidewall
Total Petroleum Hydrocarbons (mg/kg)												
Diesel	2000	1	•		130	NA	NA V	240	NA	ΝA	*	Ϋ́
Heavy Oil range	2000	10	*	*	300	NA A	NA	810	NA AN	NA	*	NA
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)	,											
Benzo(a)pyrene	ij	1	*	0.01	1.3	76.0	0.041	36	0.97	*	1.2	0.041
Benzo(a)anthracene	ti.	;	*	*	1.1	0.78	0.035	31	0.78	*	0.99	0.033
Benzo(b)fluoranthene	ı	ı	*	0.016	1.7	1.4	0.058	49	1.4	*	1.7	0.062
Benzo(k)fluoranthene	1	ı	*	*	0.67	0.5	0.02	16	0.5	*	0.56	0.021
Chrysene	į	;	*	*	1,3	68.0	0.041	35	68'0	*	1.2	0.042
Dibenzo(a,h)anthracene	1	1	*	*	0.27	0.15	0.085	7.1	0.15	*	0.24	*
Indeno(1,2,3-cd)pyrene	1	ı	*	*	0.77	0.41	0.023	20	0.41		0.73	0.02
Total cPAHs (TTEC)	0.1	ı	*	0.0116	1.764	1,3029	0.0885	48.66	1,3029	*	1.634	0.05302
Total Metals (mg/kg)												
Lead	250		6.7	10	6	NA	NA	54	NA	NA	11	NA
Notes:												

Notes:

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mg/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(-) = Not established/not applicable

NA = Not satablished/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

NEW LANDFILL CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE
SPOKANE, WASHINGTON TABLE 3

Analytes	MTCA Method A cleanup level	MTCA Method B cleanup level	C39	C-40	3	C-42	543	3	C.48	C-4SA
Sample Depth (Feet)			5.0	5.0	5.0	5.0	7.0	0.9	4.0	4.0
Sample Location			S Sidewall	E Sidewall	W Sidewall	N Sidewall	Bottom	Bottom	E Sidewall	E Sidewall
Total Petroleum Hydrocarbons (mg/kg)  Diesel	2000	100	NA	NA	Ŋ	NA	NA	*	*	NA
Heavy Oil range	2000		NA	NA	NA	NA	NA	*	*	NA
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)										
Benzo(a)pyrene	П	1	NA	NA	NA	NA	AN	0,072	0,33	*
Benzo(a)anthracene	ı	ı	NA A	NA	NA	NA	NA	0.052	0.25	*
Benzo(b)fluoranthene	ŀ	ı	NA A	ΝΑ	NA	NA	NA	0,1	0.45	*
Benzo(k)fluoranthene	1	ı	NA	NA	NA	NA	NA	0,035	0.15	*
Chrysene	1	ı	NA	NA	NA	NA	NA	0,067	0.31	*
Dibenzo(a,h)anthracene	:	ı	NA	NA	ΝΑ	NA	NA	0.017	0.07	*
Indeno(1,2,3-cd)pyrene	ı	ı	NA	NA	NA	NA	NA	0,048	0.21	*
Total cPAHs (TTEC)	0.1	ı	N A	NA	NA	NA	NA	0.09787	0.4461	*
Volatile Organic Compounds (VOCs) (mg/kg)										
Methylene Chloride	0.02	ı	*	*	*	*	**	NA	NA	NA
Total Metals (mg/kg) Lead	250	31	NA	NA	NA	NA	NA	8,5	80.00	NA

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mg/kg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(-) = Not established/not applicable

NA = Not analyzed

SKEET RIDGE AREA CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

Analytes	MTCA Method A cleanup level	MTCA MTCA Method A Method B cleanup level cleanup level	C-46	C-47	C-48	C+9	C-50	CSI	Cest	C-53	C-54	CSS
Sample Depth (Feet)			0.75	0.75	2.0	0.75	0.75	0.75	0.75	0.75	0.75	2.0
Sample Location			S Sidewall	W Sidewall	Bottom	N Sidewall	E Sidewall	W Sidewall	S Sidewall	E Sidewall	N Sidewall	Bottom
Total Petroleum Hydrocarbons (mg/kg)	3000	,	*	*	*	*	*	*	*	*	*	*
Diesel Heavy Oil range	2000		*	*	*	*	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)												
Benzo(a)pyrene	ţ	ı	*	*	*	*	•	•	*	*	*	*
Benzo(a)anthracene	!	1	*	*		•	*	*	*	*	*	
Benzo(b)fluoranthene	!	1		*	*	*	* 3	*	*	•	*	*
Benzo(k)fluoranthene	1	1	*	*	*	*		•	#	*	*	•
Chrysene	!	ı	*	*		*	*	*	*	*	•	•
Dibenzo(a,h)anthracene	ī	1	*	•	*	*	*	*	#	•	•	•
Indeno(1,2,3-cd)pyrene	1	1	*	*	*	*	*	•		*	*	*
Total cPAHs (TTEC)	0.1	1	*	*	*	٠	•	*	*	*	*	*
Total Metals (mg/kg)												
Lead	250	ţi]	15	98	15	19	14	=	=	12	9.5	6.6

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

mgRg = Milligrams per kilogram(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)
(-) = Not established/not applicable

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SKEET RIDGE AREA CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

Analytes	MTCA Method A cleanup level	MTCA MTCA Method A Method B cleanup level cleanup level	C-56	C-57	C-58	689	C-60	19-2	C-62	663	990	C-65
Sample Depth (Feet)			0.75	0.75	0,75	0.75	2.0	0.75	0.75	0.75	0.75	2.0
Sample Location			W Sidewall	S Sidewall	E Sidewall	N Sidewall	Bottom	W Sidewall	S Sidewall	E Sidewall	N Sidewall	Bottom
Total Petroleum Hydrocarbons (mg/kg)						,			,	,	9	9
Diesel	2000		*	*	*	*	*	<b>*</b> 1.7.	* 4		٠	•
Heavy Oil range	2000	į	*	*	*	*	٠	•)	•	•	*	*
(Servinogenic Polycyclic Aromatic Hydrocarhons (mg/kg)												
Benzo(a)pyrene	1	i	*	*	*	*	*			•	*	*
Benzo(a)anthracene	ı	į	*	*		٠		*	*	*	*	*
Benzo(b)fluoranthene	1	)	*	*	*	*	*	*	*	*	*	*
Benzo(k)fluoranthene	1	ji		*	*	*	*	*	*	*	*	*
Chrysene	ł	( <b>)</b>	*	*	*	*	*	*	*	•	•	•
Dibenzo(a,h)anthracene	1	10	*	*	*	*	*	•	*	₩	*	*
Indeno(1,2,3-cd)pyrene	1	ı	*	*	*	•	*	*	*	*	*	*
Total cPAHs (TTEC)	0.1	,	*	*	*	*	*	*	*	*	*	*
To the Manual ( - 17.2)												
rotal victurs (mg/ng) Lead	250		8'9	10	12	7.7	13	8.5	=	9.5	8.7	6'6

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)

ingkg = Milligrams per kilogram

(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)

(-) = Not established/not applicable

NA = Not analyzed

Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

# TABLE 5 SEWER TRENCH EXCAVATION CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS SISTERS OF THE HOLY NAMES PROPERTY 2911 WEST FORT GEORGE WRIGHT DRIVE SPOKANE, WASHINGTON

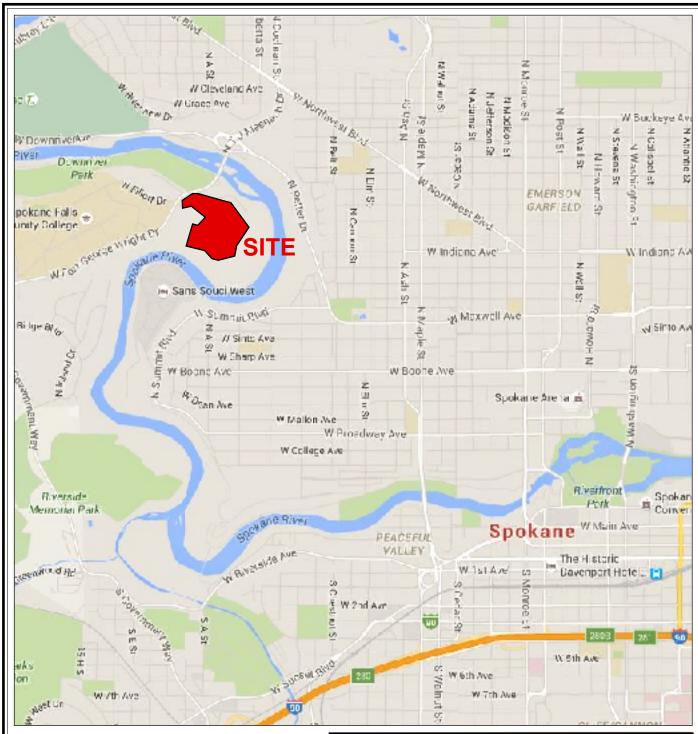
Analytes	MTCA Method A cleanup level	MTCA MTCA Method A Method B cleanup level cleanup level	99-2	C-66A	C-66B	C-67	C-67A	89-2	95	C.70	5	cm	сла
Sample Depth (Feet)			0.9	8.0	12.0	8.0	12.0	5.0	10.0	14.0	20.0	12.0	12.0
Sample Location		The state of	Bottom	Bottom	Bottom	Bottom	Bottom	W Sidewall	E Sidewall	Bottom	Bottom	Sidemail	Sidewall
Total Petroleum Hydrocarbons (mg/kg)													
Diesel	2000	3	*	A'N	NA	15	NA	٠	*	*	*	160	NA AN
Heavy Oil range	2000	( <b>1</b> )	*	NA	NA	40	ΝΑ	*	*	*	٠	750	NA
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)													
Benzo(a)pyrene	É	ţ	0,14	0,26	*	0.79	0.075	٠		*	*	2.7	0.017
Benzo(a)anthracene	ı	1)	0,11	0,16	•	0,73	0.064	*		*	٠	2.1	0.013
Benzo(b)fluoranthene	ti	ŧ	0,2	0,37		1.2	0.012	*		*	•	4	0.026
Benzo(k)fluoranthene	t	1	0,071	0,13		0.43	0.04	٠		*	*	1,3	0.01
Chrysene	į	*	0,15	0.2	.*:	0.88	980'0	٠	*	*	*	2.9	0.017
Dibenzo(a,h)anthracene	ŧ	*	0,031	0.071		0.17	0.018	*	*	*	*	0.61	*
Indeno(1,2,3-cd)pyrene	ì	*	0.088	0,17	*	0.49	0.046	÷	*	*	*	1.7	0.013
Total cPAHs (TTEC)	0,1	ı	0,1915	0.3521		1,1008	0.0938	*	*	*	*	3.7	0.02337
Total Metals (mg/kg)													
Lead	250	(1)	6,1	NA	NA	11	NA	1.9	7.1	7.1	5.8	11	NA
Notes:													

MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)
mg/kg = Milligrams per kilogram
(\*) = Laboratory analytical result not reported at or above the MRL (Laboratory Analysis Method Reporting Limit)
(-) = Not established/not applicable

NA = Not analyzed Bold/Shaded = Laboratory analysis result is equal to or greater than MTCA Method A Soil cleanup levels.

# **Plates**

ES-4332.01



Reference: Spokane, Washington By Google Maps Dated 2016



NOTE: This plate may contain areas of color. ESNW cannot be responsible for any subsequent misinterpretation of the information resulting from black & white reproductions of this plate.



Site Vicinity Map
Sisters of the Holy Names Property
Spokane, Washington

Drwn. MRS	Date 01/13/2017	Proj. No.	4332.01
Checked TWS	Date Jan. 2017	Plate	1

Confirmatory Soil Sample Plan Sisters of the Holy Names Property 2911 West Fort George Wright Drive Spokane, Washington

Drwn. By MRS

Checked By TWS

Date 01/13/2017

Proj. No. 4332.01

Plate 2

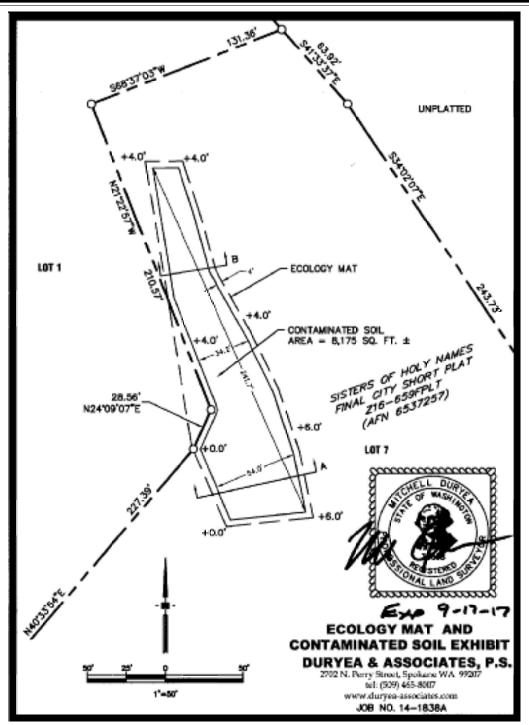
NOTE: This plate may contain areas of color. ESNW cannot be responsible for any subsequent misinterpretation of the information

resulting from black & white reproductions of this plate.



Samples with cPAH Analysis

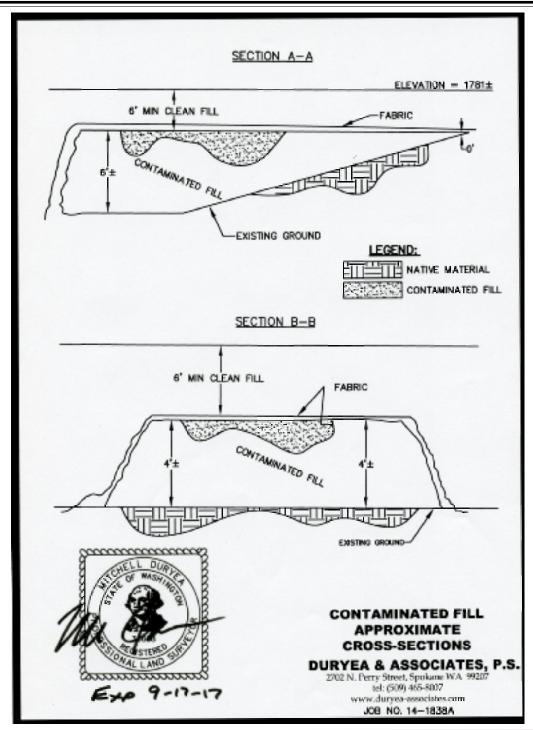
Petroleum and Lead Impacted Soil





SOUTHERN PARCEL PLAN DISPLAYING LOCATION OF CONTAMINATED SOIL Sisters of the Holy Names Property Spokane, Washington

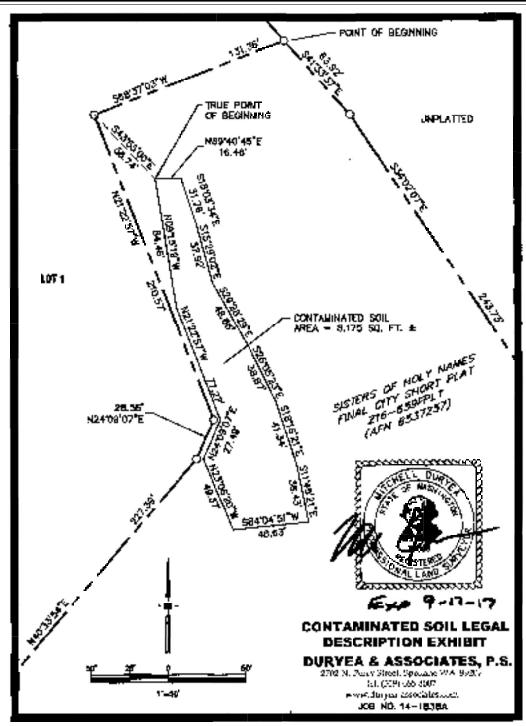
Drwn. MRS	Date 01/13/2017	Proj. No.	4332.01
Checked TWS	Date Jan. 2017	Plate	3





CROSS-SECTIONS OF CONTAMINATED SOIL Sisters of the Holy Names Property Spokane, Washington

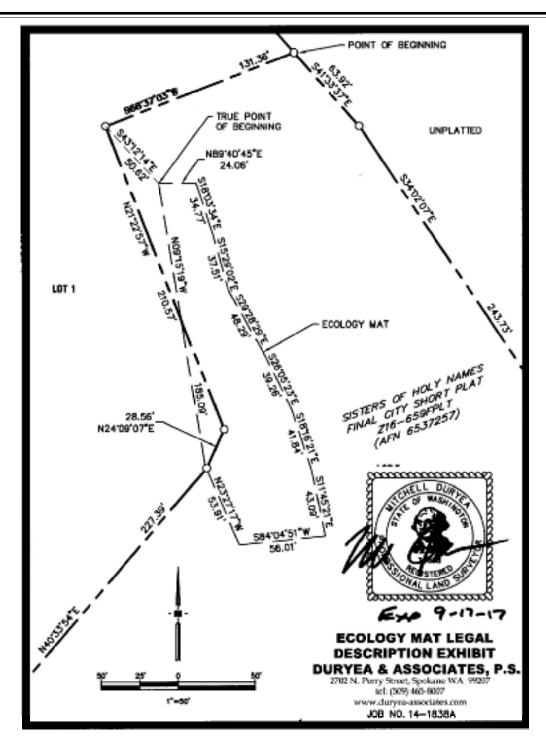
Drwn. MRS	Date 01/13/2017	Proj. No.	4332.01
Checked TWS	Date Jan. 2017	Plate	4





CONTAMINATED SOIL LEGAL DESCRIPTION Sisters of the Holy Names Property Spokane, Washington

Drwn. MRS	Date 01/13/2017	Proj. No.	4332.01
Checked TWS	Date Jan. 2017	Plate	5





GEOTEXTILE FABRIC CAP LEGAL DESCRIPTION
Sisters of the Holy Names Property
Spokane, Washington

Drwn. MRS	Date 01/13/2017	Proj. No. 4332.01
Checked TWS	Date Jan. 2017	Plate 6

# **DURYEA & ASSOCIATES, P.S.**

Land Surveying & Mapping

January 3, 2017

Job No. 14-1838A

# **Ecology Mat Legal Description**

All that certain real property situate in the City of Spokane, County of Spokane, State of Washington being described as follows:

A portion of Lots 1 and 7 of Sisters of Holy Names Final City Short Plat Z16-659FPLT recorded September 22, 2016 under Auditor's File No. 6537257, Spokane County Records, and being more particularly described as follows:

BEGINNING at the North corner of said Lot 7, being hereinbove described; thence along the northwesterly line of said Lot 7 South 68°37'03" West 131.36 feet; thence leaving said northwesterly line of said Lot 7 South 43°12'14" East 50.62 feet to the TRUE POINT OF BEGINNING of this description; thence North 89°40'45" East 24.06 feet; thence South 18°03'34" East 34.77 feet; thence South 15°29'02" East 37.51 feet; thence South 29°28'29" East 48.29 feet; thence South 26°05'23" East 39.26 feet; thence South 18°16'21" East 41.84 feet; thence South 11°45'21" East 43.09 feet; thence South 84°04'51" West 56.01 feet; thence North 23°27'17" West 53.91 feet; thence North 09°15'19" West 185.09 feet to the said true point of beginning of this description, containing 0.257 acres of land, more or less.



January 3, 2017

Job No. 14-1838A

# **Contaminated Soil Legal Description**

All that certain real property situate in the City of Spokane, County of Spokane, State of Washington being described as follows:

A portion of Lot 7 of Sisters of Holy Names Final City Short Plat Z16-659FPLT recorded September 22, 2016 under Auditor's File No. 6537257, Spokane County Records, and being more particularly described as follows:

BEGINNING at the North corner of said Lot 7, being hereinabove described; thence along the northwesterly line of said Lot 7 South 68°37'03" West 131.36 feet; thence leaving said northwesterly line of said Lot 7 South 43°55'00" East 56.74 feet to the TRUE POINT OF BEGINNING of this description; thence North 89°40'45" East 16.46 feet; thence South 18°03'34" East 31.76 feet; thence South 15°29'02" East 37.92 feet; thence South 29°28'29" East 48.66 feet; thence South 26°05'23" East 38.87 feet; thence South 18°16'21" East 41.34 feet; thence South 11°45'21" East 38.43 feet; thence South 84°04'51" West 48.63 feet; thence North 23°06'20" West 49.37 feet; thence North 24°09'07" East 27.49 feet; thence North 21°22'57" East 77.27 feet; thence North 09°15'19" West 84.46 feet to the said true point of beginning of this description, containing 0.187 acres of land, more or less.



## Appendix A Soil Disposal Profile and Weight Tickets ES-4332.01



## Non-Hazardous WAM Approval

Requested Management Facility: Graham Road Landfill

Profile Number: 111223WA	Waste Approval Expiration Date: 03/	07/2017		
APPROVAL DETAILS				
Approval Decision: ☑ Approved ☐ Not Approved		Profile Renewal:	☐ Yes	☑ No
Management Method: Direct Landfill				
Generator Name: Holy Names				
Material Name: <u>lead</u> , <u>diesel</u> and heavy oil impacted soil				
Management Facility Precautions, Special Handling Procedures or Limitati	on on approval:			
Generator Conditions				
- Shall not contain free liquids.				
- Waste manifest or applicable shipping document must	accompany load,			
- The waste profile number must appear on the shipping	g papers.			
Facility Conditions				
TCLP shows lead to be non-hazardous.				
Kristin Castner [3/09/2016]:				
Amended generator name and billing address.				
(So3) 493-	7834  Title: Waste Approval Manage	ger		
WM Authorization Signature:	<del></del>	Date: <u>03/07/20</u>	16	
Agency Authorization (if Required):		Date:		



GRAHAM ROAD LANDFILL

S. 1820 GRAHAM ROAD MEDICAL LAKE, WA 99022

## INVOICE

Page 1 of 54 TW Clark Construction, Inc. **Customer:** Online WM ezPay ID:

00003-87297-35007

11/01/2016 0064230-1518-6

518-0000842-1518-1 Due Upon Receipt

Invoice Date: Invoice Number: Account Number: Due Date:

business.

(509) 244-0151

<b>Total Current Charges</b>	<b>Total Amount Due</b>
269 070 02	269 070 02

Please pay total amount due. Thank you for your

Account Summary	
Description	
Previous Balance	0.00
Total Credits and Adjustments	0.00
Total Payments Received	0.00
Total Current Charges	269,070.02
Total Amount Due	269,070.02
Total Amount Past Due	0.00

2			
2		 	

Service Period: OCTOBER 2016	
Description	Amount
Landfill	269,070.02
Total Current Charges	269,070.02

If full payment of the invoiced amount is not received within your contractual terms, you may be charged a monthly late charge of 2.5% of the unpaid amount, with a minimum monthly charge of \$5.00, or such late charge allowed under applicable law, regulation or contract. Additionally, if your service is suspended for non-payment, you may be charged a resume charge to restart your service. For each returned check, a charge will be assessed on your next billing equal to

The landfill is closed on all major holidays.

Use your iPhone or Android mobile device to manage your account, pay your bill, and schedule a roll-off pickup, similar to wm.com. More at wm.com/GoMobile.

Current Due	Over 30	Over 60	Over 90	Over 120	Total Due
269,070.02	0.00	0.00	0.00	0.00	269,070.02



(509) 244-0151

Please detach and send with Please send all other <u>corres</u> j		Your Account Number 518-0000842-1518-1
,	Invoice Date	Your Invoice Number
	11/01/2016	0064230-1518-6
Due Date	Total Due	Amount Paid
Upon Receipt	269,070.02	

## 15185180001546000646830002690700200026907002

0002035 SP

7306

the maximum amount permitted by applicable state law.

-C02-P00000-I

I1391L25



0002035-0000001-0003412

TW CLARK CONSTRUCTION, INC. 1117 N EVERGREEN RD. #1 **SPOKANE WA 99216-1138** 

**WASTE MANAGEMENT** PO BOX 541065 LOS ANGELES CA 90054-1065

						Page 2 of 54
Service L	ocation: 5	18-842 TW Clark Construction, Inc.: 1117 N Evergre	en Rd. #1: Sp	okane Wa 9	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
10/24/16	520936	Vehicle#: dave				
		Special waste solid other	30.02	TON	28.00	840.56
		Fuel environmental admin charges	30.02	TON	4.48	134.49
		Spokane regional health district - special waste &	30.02	TON	.32	9.61
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				984.66
10/24/16	520938	Vehicle#: marty				
		Special waste solid other	15.83	TON	28.00	443.24
		Fuel environmental admin charges	15.83	TON	4.48	70.92
		Spokane regional health district - special waste &	15.83	TON	.32	5.07
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				519.23
10/24/16	520957	Vehicle#: dave				
		Special waste solid other	26.49	TON	28.00	741.72
		Fuel environmental admin charges	26.49	TON	4.48	118.68
		Spokane regional health district - special waste &	26.49	TON	.32	8.48
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				868.88
10/24/16	520965	Vehicle#: brett				
		Special waste solid other	24.85	TON	28.00	695.80
		Fuel environmental admin charges	24.85	TON	4.48	111.33
		Spokane regional health district - special waste &	24.85	TON	.32	7.95
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				815.08
10/24/16	520979	Vehicle#: bob				
		Special waste solid other	30.77	TON	28.00	861.56
		Fuel environmental admin charges	30.77	TON	4.48	137.85
		Spokane regional health district - special waste &	30.77	TON	.32	9.85
		Profile # 111223wa				

NOTICE: By sending your check, you are authorizing the Company to use information on your check to make a one-time electronic debit to your account at the financial institution indicated on your check. This electronic debit will be for the amount of your check and may occur as soon as the same day we receive your check.

You agree, in order for us to service our account or to collect any amounts you may owe (for non-marketing or solicitation purposes), we may contact you by telephone at any telephone number associated with your account, including wireless telephone numbers, which could result in charges to you. We may also contact you by sending text messages, facsimile messages or e-mails, using any e-mail address you provide to use. Methods of contact may include using pre-recorded/artificial voice messages and/or use of an automatic dialing device, as applicable.



Customer: Online WM ezPay ID:

Invoice Date:

Page 3 of 54 TW Clark Construction, Inc.

00003-87297-35007

11/01/2016 0064230-1518-6 518-0000842-1518-1

Invoice Number: Account Number: Due Date: Due Upon Receipt

Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,009.26
10/24/16	520981	Vehicle#: marty				
		Special waste solid other	18.46	TON	28.00	516.88
		Fuel environmental admin charges	18.46	TON	4.48	82.70
		Spokane regional health district - special waste &	18.46	TON	.32	5.9
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				605.4
10/04/40	F20004	Mahada Hadasa				
0/24/16	520984	Vehicle#: dave	35.32	TON	28.00	988.90
		Special waste solid other	35.32 35.32	TON	4.48	158.2
		Fuel environmental admin charges Spokane regional health district - special waste &	35.32	TON	.32	11.30
		Profile # 111223wa	33.32	1011	.02	11.50
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,158.49
0/24/16	520989	Vehicle#: josh				
		Special waste solid other	32.56	TON	28.00	911.6
		Fuel environmental admin charges	32.56	TON	4.48	145.8
		Spokane regional health district - special waste &	32.56	TON	.32	10.4
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa Ticket Total				1 067 0
		licket lotai				1,067.9
10/24/16	520992	Vehicle#: dave	27.54	TON	20.00	770.00
		Special waste solid other	27.51	TON	28.00	770.2
		Fuel environmental admin charges	27.51 27.51	TON TON	4.48 .32	123.2 8.8
		Spokane regional health district - special waste & Profile # 111223wa	27.31	TON	.32	0.00
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				902.3
10/24/16	521005	Vehicle#: brett				
		Special waste solid other	22.73	TON	28.00	636.4
		Fuel environmental admin charges	22.73	TON	4.48	101.8
		Spokane regional health district - special waste &	22.73	TON	.32	7.2
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				745 -
		Ticket Total				745.5
0104140	521013	Vehicle#: marty				

		518-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M_	Rate	Amount
		Special waste solid other	16.57	TON	28.00	463.96
		Fuel environmental admin charges	16.57	TON	4.48	74.23
		Spokane regional health district - special waste &	16.57	TON	.32	5.30
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				543.49
0/24/16	521022	Vehicle#: dave				
		Special waste solid other	31.41	TON	28.00	879.48
		Fuel environmental admin charges	31.41	TON	4.48	140.72
		Spokane regional health district - special waste &	31.41	TON	.32	10.05
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,030.25
0/24/16	521030	Vehicle#: brett		TO11		770.00
		Special waste solid other	27.85	TON	28.00	779.80
		Fuel environmental admin charges	27.85	TON	4.48	124.77
		Spokane regional health district - special waste &	27.85	TON	.32	8.91
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				913.48
10/24/16	521038	Vehicle#: dave				
		Special waste solid other	20.56	TON	28.00	575.68
		Fuel environmental admin charges	20.56	TON	4.48	92.11
		Spokane regional health district - special waste &	20.56	TON	.32	6.58
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				674.37
0/24/16	521044	Vehicle#: brett	21 50	TON	30.00	604 52
		Special waste solid other	21.59	TON	28.00	604.52
		Fuel environmental admin charges	21.59	TON	4.48	96.72
		Spokane regional health district - special waste &	21.59	TON	.32	6.91
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				708.15
		Ticket Total				700.15
0/24/16	521047	Vehicle#: marty				
		Special waste solid other	15.11	TON	28.00	423.08
		Fuel environmental admin charges	15.11	TON	4.48	67.69
		Spokane regional health district - special waste &	15.11	TON	.32	4.84
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				495.61



GRAHAM ROAD LANDFILL S. 18 MED

Customer:

Invoice Date:

Invoice Number:

Online WM ezPay ID:

Page 5 of 54

TW Clark Construction, Inc.

00003-87297-35007

11/01/2016

0064230-1518-6 518-0000842-1518-1 Due Upon Receipt

1820 GRAHAM ROAD	Account Number:	310
EDICAL LAKE, WA 99022	Due Date:	

Date 10/24/16	Ticket	Description	Quantity	U/M	ce Location: 518-842 TW Clark Construction, Inc.: 1117 N Evergreen Rd. #1: Spokane Wa 99216-1138  Ticket Description Quantity U/M Rate Amo					
10/24/16			quartery	O/IVI	Rate	Amount				
10/24/16	504000									
	521062	Vehicle#: dave Special waste solid other	36.45	TON	28.00	1,020.60				
			36.45	TON	4.48	163.30				
		Fuel environmental admin charges Spokane regional health district - special waste &	36.45	TON	.32	11.66				
		Profile # 111223wa	30,43	1011	.52	11,00				
		Generator sisters of holy names 2911 ft george								
		wright d Manifest#: 111223wa								
		Ticket Total				1,195.56				
		Ticket Total				1,100100				
10/24/16	521063	Vehicle#: josh								
		Special waste solid other	31.53	TON	28.00	882.84				
		Fuel environmental admin charges	31.53	TON	4.48	141.25				
		Spokane regional health district - special waste &	31.53	TON	.32	10.09				
		Profile # 111223wa								
		Generator sisters of holy names 2911 ft george								
		wright d								
		Manifest#: 111223wa								
		Ticket Total				1,034.18				
10/24/16	521064	Vehicle#: dave								
10/24/10	321004	Special waste solid other	22.58	TON	28.00	632.24				
		Fuel environmental admin charges	22.58	TON	4.48	101.16				
		Spokane regional health district - special waste &	22.58	TON	.32	7.23				
		Profile # 111223wa	22.00	1011	.02					
		Generator sisters of holy names 2911 ft george								
		wright d								
		Manifest#: 111223wa								
		Ticket Total				740.63				
10/24/16	521067	Vehicle#: brett	24.20	TON	20.00	CDO 40				
		Special waste solid other	24.30	TON	28.00	680.40				
		Fuel environmental admin charges	24.30	TON	4.48 .32	108.86 7.78				
		Spokane regional health district - special waste &	24.30	TON	.32	7.70				
		Profile # 111223wa								
		Generator sisters of holy names 2911 ft george								
		wright d								
		Manifest#: 111223wa				797.04				
		Ticket Total				757.04				
10/24/16	521069	Vehicle#: marty								
		Special waste solid other	17.39	TON	28.00	486.92				
		Fuel environmental admin charges	17.39	TON	4.48	77.91				
		Spokane regional health district - special waste &	17.39	TON	.32	5.56				
		Profile # 111223wa								
		Generator sisters of holy names 2911 ft george								
		wright d								
		Manifest#: 111223wa								
		Ticket Total				570.39				
10/24/16	52100 <i>c</i>	Vahicla#: josh								
10/24/10	JZ 1000	Vehicle#: josh Special waste solid other	31.96	TON	28.00	894.88				
		Fuel environmental admin charges	31.96	TON	4.48	143.18				
		Spokane regional health district - special waste &	31.96	TON	.32	10.23				
		Profile # 111223wa	01.00	. 011	.52					

		18-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				1,048.29
		ricket rotal				1,040.28
0/24/16	521089	Vehicle#: dave				
		Special waste solid other	36.89	TON	28.00	1,032.92
		Fuel environmental admin charges	36.89	TON	4.48	165.27
		Spokane regional health district - special waste &	36.89	TON	.32	11.80
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,209.99
0/24/16	521000	Vehicle#: dave				
0/24/10	321030	Special waste solid other	22,65	TON	28.00	634.20
		Fuel environmental admin charges	22.65	TON	4.48	101.47
		Spokane regional health district - special waste &	22.65	TON	.32	7.25
		Profile # 111223wa			-	
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				742.92
0/24/16	521000	Vehicle#: marty				
0/24/10	321033	Special waste solid other	16.55	TON	28.00	463.40
		Fuel environmental admin charges	16.55	TON	4.48	74.1
		Spokane regional health district - special waste &	16.55	TON	.32	5.30
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				542.84
0/24/16	521100	Vehicle#: brett				
		Special waste solid other	23.33	TON	28.00	653.24
		Fuel environmental admin charges	23.33	TON *	4.48	104.52
		Spokane regional health district - special waste &	23.33	TON	.32	7.4
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 0				
		Ticket Total				765.23
		TORCE TOTAL				700120
0/24/16	521106	Vehicle#: josh				
		Special waste solid other	30.18	TON	28.00	845.0
		Fuel environmental admin charges	30.18	TON	4.48	135.2
		Spokane regional health district - special waste &	30.18	TON	.32	9.60
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 0				
		Ticket Total				989.9
0/25/16	521127	Vehicle#: dave	00.45	T01:	20.22	
		Special waste solid other	28.49	TON	28.00	797.77
		Fuel environmental admin charges	28.49	TON	4.48	127.6



Customer: Online WM ezPay ID:

Page 7 of 54 TW Clark Construction, Inc

00003-87297-35007

 Invoice Date:
 11/01/2016

 Invoice Number:
 0064230-1518-6

 Account Number:
 518-0000842-1518-1

Due Date: Due Upon Receipt

		18-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	28.49	TON	.32	9.12
		wright d Manifest#: 0				
		Ticket Total				934.48
10/25/16	521128	Vehicle#: josh	04.45	TON		222.22
		Special waste solid other	31.45 31.45	TON TON	28.00 4.48	880.60 140.90
		Fuel environmental admin charges Spokane regional health district - special waste &	31.45	TON	,32	10.06
		Profile # 111223wa	31.40	1011	.52	10.00
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,031.56
10/25/16	521129	Vehicle#: john	22.53	TON	28.00	630.84
		Special waste solid other Fuel environmental admin charges	22.53	TON	4.48	100.93
		Spokane regional health district - special waste &	22.53	TON	.32	7.21
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				738.98
10/25/16	521130	Vehicle#: brett	24.71	TON	28.00	691.88
		Special waste solid other Fuel environmental admin charges	24.71	TON	4.48	110.70
		Spokane regional health district - special waste &	24.71	TON	.32	7.91
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				242.40
		Ticket Total				810.49
10/25/16	521133	Vehicle#: bob Special waste solid other	27.84	TON	28.00	779.52
		Fuel environmental admin charges	27.84	TON	4.48	124,72
		Spokane regional health district - special waste &	27.84	TON	.32	8.91
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				042.45
		Ticket Total				913.15
10/25/16	521141	Vehicle#: dave	22.04	TON	20.00	012.02
		Special waste solid other Fuel environmental admin charges	32.64 32.64	TON TON	28.00 4.48	913.92 146.23
		Spokane regional health district - special waste &	32.64	TON	.32	10.44
		Profile # 111223wa	OLIO T	1011		1011
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,070.59

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
10/25/16	521145	Vehicle#: jared	20.40	TON	20.00	1 010 30
		Special waste solid other	36.40	TON	28.00	1,019.20
		Fuel environmental admin charges	36.40	TON	4.48	163.07
		Spokane regional health district - special waste &	36.40	TON	.32	11.65
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,193.92
10/25/16	521146	Vehicle#: brandon	20.12	TON	20.00	1.005.36
		Special waste solid other	39.12	TON	28.00	1,095.36
		Fuel environmental admin charges	39.12	TON	4.48	175.26
		Spokane regional health district - special waste &	39.12	TON	.32	12.52
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,283.14
10/25/16	521147	Vehicle#: wade	24.74	TON	20.00	602.72
		Special waste solid other	24.74	TON	28.00	692.72
		Fuel environmental admin charges	24.74	TON	4.48	110.84
		Spokane regional health district - special waste &	24.74	TON	.32	7.92
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				811.48
10/25/16	E21140	Vohiclo#: marty				
10/23/10	321149	Vehicle#: marty Special waste solid other	14.50	TON	28.00	406.00
			14.50	TON	4.48	64.96
		Fuel environmental admin charges	14.50	TON	.32	4.64
		Spokane regional health district - special waste &	14,50	TON	.32	4.04
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				475.00
		Ticket Total				475.60
10/25/16	521150	Vehicle#: joe				
10/25/16	321130	Special waste solid other	28.79	TON	28.00	806.12
			28.79	TON	4.48	128.98
		Fuel environmental admin charges	28.79	TON	.32	9.21
		Spokane regional health district - special waste &	20.19	TON	.32	3.21
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				044.04
		Ticket Total				944.31
10/25/16	521153	Vehicle#: dan				
10/23/10	351133	Special waste solid other	29.86	TON	28.00	836.08
		Fuel environmental admin charges	29.86	TON	4.48	133.77
			29.86	TON	.32	9.56
		Spokane regional health district - special waste & Profile # 111223wa	23.00	ION	.52	5.30
		Generator sisters of holy names 2911 ft george				
i		wright d				



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Due Date: Due Upon Receipt

Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree Description	Quantity	U/M	Rate	Amount
Jale	TICKEL	Manifest#: 111223wa	Quantity	O/W	Nate	Amount
		Ticket Total				979.4
0/25/16	521154	Vehicle#: josh				
		Special waste solid other	28.67	TON	28.00	802.70
		Fuel environmental admin charges	28.67	TON	4.48	128.4
		Spokane regional health district - special waste &	28.67	TON	.32	9.1
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				940.3
0/25/16	521155	Vehicle#: dave				
		Special waste solid other	22.62	TON	28.00	633.3
		Fuel environmental admin charges	22.62	TON	4.48	101.3
		Spokane regional health district - special waste &	22.62	TON	.32	7.2
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				741.9
0/25/16	521156	Vehicle#: bob				
		Special waste solid other	25.74	TON	28.00	720.7
		Fuel environmental admin charges	25.74	TON	4.48	115.3
		Spokane regional health district - special waste &	25.74	TON	.32	8.2
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				844.2
10/25/16	521157	Vehicle#: brett		<b>TON</b>		500.0
		Special waste solid other	20.31	TON	28.00	568.6
		Fuel environmental admin charges	20.31	TON	4.48	90.9
96		Spokane regional health district - special waste &	20.31	TON	.32	6.5
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				CCC 1
		Ticket Total				666.1
10/25/16	521173	Vehicle#: dave				
		Special waste solid other	27.86	TON	28.00	780.0
		Fuel environmental admin charges	27.86	TON	4.48	124.8
		Spokane regional health district - special waste &	27.86	TON	.32	8.9
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				913.8
0/25/16	521178	Vehicle#: marty		T.C		
		Special waste solid other	17.22	TON	28.00	482.1
		Fuel environmental admin charges	17.22	TON	4.48	77.1

		118-842 TW Clark Construction, Inc.: 1117 N Evergree	en Rd. #1: Sp	okane Wa 9	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	17.22	TON	.32	5.51
		Ticket Total				564.82
10/25/16	521180	Vehicle#: jared Special waste solid other	33.08	TON	28.00	926,24
		Fuel environmental admin charges	33.08	TON	4.48	148.20
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	33.08	TON	.32	10.59
		wright d Manifest#: 111223wa				
		Ticket Total				1,085.03
10/25/16	521181	Vehicle#: john Special waste solid other	21.42	TON	28.00	599.76
		Fuel environmental admin charges	21.42	TON	4.48	95.96
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	21.42	TON	.32	6.85
		wright d Manifest#: 111223wa Ticket Total				702.57
10/25/16	521185	Vehicle#: wade	25,17	TON	28.00	704.76
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	25.17 25.17 25.17	TON TON	4.48 .32	112.76 8.05
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				825.57
10/25/16	521187	Vehicle#: joe Special waste solid other	26.99	TON	28.00	755.72
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	26.99 26.99	TON TON	4.48 .32	120.92 8.64
		wright d Manifest#: 111223wa Ticket Total				885.28
10/25/16	521188	Vehicle#: brandon				
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	34.52 34.52 34.52	TON TON TON	28.00 4.48 .32	966.56 154.65 11.05
		wright d Manifest#: 111223wa <b>Ticket Total</b>				1,132.26
10/25/16	521189	Vehicle#: dan				



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		18-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	28.23	TON	28.00	790.44
		Fuel environmental admin charges	28.23	TON	4.48	126.47
		Spokane regional health district - special waste &	28.23	TON	.32	9.03
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				925.94
		Ticket Total				020101
10/25/16	521190	Vehicle#: josh				
10/23/10	321130	Special waste solid other	29.24	TON	28.00	818.72
			29.24	TON	4.48	131.00
		Fuel environmental admin charges	29.24	TON	.32	9.36
		Spokane regional health district - special waste &	23.24	TON	.52	5.50
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				959.08
10/25/16	521191	Vehicle#: dan				
		Special waste solid other	25.57	TON	28.00	715.96
		Fuel environmental admin charges	25.57	TON	4.48	114.55
		Spokane regional health district - special waste &	25.57	TON	.32	8.18
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				838.69
10/25/16	521193	Vehicle#: dave				
10/20/10	0200	Special waste solid other	22.16	TON	28.00	620.48
		Fuel environmental admin charges	22.16	TON	4,48	99.28
		Spokane regional health district - special waste &	22.16	TON	.32	7.09
		Profile # 111223wa	22.10	1011		,,,,,
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
						726.85
		Ticket Total				120.00
40105140	524400	M-1-1-1- # - 1				
10/25/16	521199	Vehicle#: brett	24.02	TON	20.00	E00 EC
		Special waste solid other	21.02	TON	28.00	588.56
		Fuel environmental admin charges	21.02	TON	4.48	94.17
		Spokane regional health district - special waste &	21.02	TON	.32	6.73
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				689.46
10/25/16	521202	Vehicle#: john				
		Special waste solid other	22.62	TON	28.00	633.36
		Fuel environmental admin charges	22.62	TON	4.48	101.34
		Spokane regional health district - special waste &	22.62	TON	.32	7.24
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				

	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree		U/M	Rate	Amount
Date	licket	Description	Quantity	U/IVI	Rate	Amount
		Manifest#: 111223wa Ticket Total				741.94
0/25/16	521209	Vehicle#: marty				400.00
		Special waste solid other	17.81	TON	28.00	498.68
		Fuel environmental admin charges	17.81	TON	4.48	79.79
		Spokane regional health district - special waste &	17.81	TON	.32	5.70
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				584.17
0/25/16	521212	Vehicle#: dave				
		Special waste solid other	34.86	TON	28.00	976.08
		Fuel environmental admin charges	34.86	TON	4.48	156. <b>1</b> 7
		Spokane regional health district - special waste &	34.86	TON	.32	11.16
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,143.4
0/25/16	521219	Vehicle#: jared				
0,20,10	02.2.0	Special waste solid other	35.25	TON	28.00	987.0
		Fuel environmental admin charges	35.25	TON	4.48	157.9
		Spokane regional health district - special waste &	35.25	TON	.32	11.2
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,156.20
10/25/16	521223	Vehicle#: brandon				
10,20,10	02,220	Special waste solid other	32.75	TON	28.00	917.00
		Fuel environmental admin charges	32.75	TON	4.48	146.72
		Spokane regional health district - special waste &	32.75	TON	.32	10.48
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,074.20
10/25/16	521225	Vehicle#: josh				
		Special waste solid other	25.43	TON	28.00	712.0
		Fuel environmental admin charges	25.43	TON	4.48	113.93
		Spokane regional health district - special waste &	25.43	TON	.32	8.1
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				834.1
IN/25/16	521227	Vehicle#: joe				
0/23/10	JLILLI	Special waste solid other	33.69	TON	28.00	943.3
		Fuel environmental admin charges	33.69	TON	4.48	150.9
		Spokane regional health district - special waste &	33.69	TON	.32	10.78
		Profile # 111223wa				



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Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree  Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,105.03
10/25/16	521229	Vehicle#: wade				
		Special waste solid other	26.07	TON	28.00	729.96
		Fuel environmental admin charges	26.07	TON	4.48	116.79
		Spokane regional health district - special waste &	26.07	TON	.32	8.34
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa Ticket Total				855.09
		TICKEL TOTAL				655.05
10/25/16	521234	Vehicle#: dan	0.4.00	TON	00.00	050.00
		Special waste solid other	34.06	TON	28.00	953.68
		Fuel environmental admin charges	34.06	TON	4.48	152.59
		Spokane regional health district - special waste &	34.06	TON	.32	10.90
		Profile # 111223wa Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,117.17
10/25/16	521235	Vehicle#: dan				
. 0, 20, 10	021200	Special waste solid other	24.44	TON	28.00	684.32
		Fuel environmental admin charges	24.44	TON	4.48	109.49
		Spokane regional health district - special waste &	24.44	TON	.32	7.82
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				004.60
		Ticket Total				801.63
10/25/16	521236	Vehicle#: kelly	00.07	TON	22.22	000 70
		Special waste solid other	29.67	TON TON	28.00	830.76 132.92
		Fuel environmental admin charges Spokane regional health district - special waste &	29.67 29.67	TON	4.48 .32	9.49
		Profile # 111223wa	29.07	TON	.32	5.43
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				973.17
10/25/16	521238	Vehicle#: dave				
		Special waste solid other	23.14	TON	28.00	647.92
		Fuel environmental admin charges	23.14	TON	4.48	103.67
		Spokane regional health district - special waste &	23.14	TON	.32	7.40
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				750.00
		Ticket Total				758.99

		18-842 TW Clark Construction, Inc.: 1117 N Evergree		The second second second second		Δ
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	29.88	TON	28.00	836.64
		Fuel environmental admin charges	29.88	TON	4.48	133.86
		Spokane regional health district - special waste &	29.88	TON	.32	9.56
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
						000.00
		Ticket Total			6	980.06
10/05/40	504044	M-4:1-#-:1-				
0/25/16	521241	Vehicle#: john	00.05	TON	00.00	005.00
		Special waste solid other	32.35	TON	28.00	905.80
		Fuel environmental admin charges	32.35	TON	4.48	144.93
		Spokane regional health district - special waste &	32.35	TON	.32	10.35
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,061,08
		ricket rotal				1,001.00
10/25/16	5212/2	Vehicle#: marty				
0/23/10	JZ 1Z4Z		16.08	TON	28.00	450.24
		Special waste solid other				
		Fuel environmental admin charges	16.08	TON	4.48	72.04
		Spokane regional health district - special waste &	16.08	TON	.32	5.15
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				527.43
		Ticket Total				327.73
10/25/16	521244	Vehicle#: brett				
0/20/10	021211	Special waste solid other	22.58	TON	28.00	632.24
			22.58	TON		
		Fuel environmental admin charges			4.48	101.16
		Spokane regional health district - special waste &	22.58	TON	.32	7.23
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				740,63
		1101101 10141				
0/25/16	521245	Vehicle#: dave				
0,20,10	V-1-10	Special waste solid other	30.84	TON	28.00	863.52
		Fuel environmental admin charges	30.84	TON	4.48	138.16
		Spokane regional health district - special waste &	30.84	TON	.32	9.87
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,011.55
						,
0/25/16	521249	Vehicle#: jared				
		Special waste solid other	35.81	TON	28.00	1,002.68
		Fuel environmental admin charges	35.81	TON	4.48	160.43
		Spokane regional health district - special waste &	35.81	TON	.32	11.46
			33.01	LOIN	.۵۷	11.40
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,174.57



GRAHAM ROAD LANDFILL S. 1820 GRAHAM ROAD

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MEDICAL LAKE, WA 99022 Due Upon Receipt Due Date:

		518-842 TW Clark Construction, Inc.: 1117 N Evergre			9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
10/25/16	521251	Vehicle#: brandon	37.09	TON	28.00	1,038.52
		Special waste solid other	37.09 37.09	TON	4.48	166.16
		Fuel environmental admin charges Spokane regional health district - special waste &	37.09	TON	.32	11.87
		Profile # 111223wa	37.09	TON	.32	11.07
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,216.55
		Tieket Total				1,210100
10/25/16	521252	Vehicle#: jeff				
300		Special waste solid other	23.65	TON	28.00	662.20
		Fuel environmental admin charges	23.65	TON	4.48	105.95
		Spokane regional health district - special waste &	23.65	TON	.32	7.57
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				775.72
10/25/16	E212EE	Vahiala#, iaa				
10/23/10	521255	Vehicle#: joe Special waste solid other	30.82	TON	28.00	862.96
		Fuel environmental admin charges	30.82	TON	4.48	138.07
		Spokane regional health district - special waste &	30.82	TON	.32	9.86
		Profile # 111223wa	30.02	TON	.52	3.00
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,010.89
						•
10/25/16	521256	Vehicle#: john				
		Special waste solid other	17.49	TON	28.00	489.72
		Fuel environmental admin charges	17.49	TON	4.48	78.36
		Spokane regional health district - special waste &	17.49	TON	.32	5.60
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				E72.C0
		Ticket Total				573.68
10/25/16	521258	Vehicle#: wade				
10/23/10	321230	Special waste solid other	24.36	TON	28.00	682.08
		Fuel environmental admin charges	24.36	TON	4.48	109.13
		Spokane regional health district - special waste &	24.36	TON	.32	7.80
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				799.01
10/05/10	E04007	Mahijala III. dara				
10/25/16	521267	Vehicle#: dan Special waste solid other	33.37	TON	28.00	934.36
		Special waste solid other  Fuel environmental admin charges	33.37	TON	4.48	149.50
		Spokane regional health district - special waste &	33.37	TON	.32	10.68
		Profile # 111223wa	55.57	. 511	.02	10.00
		Tromo # TITELONG				

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total				1,094.54
		TICKET TOTAL				1,054.54
10/25/16	521269	Vehicle#: bob Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	26.28 26.28 26.28	TON TON TON	28.00 4.48 .32	735.84 117.73 8.41
		wright d Manifest#: 0 <b>Ticket Total</b>				861.98
10/25/16	521270	Vehicle#: kelly Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	32.48 32.48 32.48	TON TON TON	28.00 4.48 .32	909.44 145.51 10.39
		Ticket Total				1,065.34
10/25/16	521272	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	24.20 24.20 24.20	TON TON TON	28.00 4.48 .32	677.60 108.42 7.74
		Manifest#: 0 Ticket Total				793.76
10/25/16	521273	Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	32.83 32.83 32.83	TON TON TON	28.00 4.48 .32	919.24 147.08 10.51
		Manifest#: 0 Ticket Total				1,076.83
10/25/16	521274	Vehicle#: marty Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	17.10 17.10 17.10	TON TON TON	28.00 4.48 .32	478.80 76.61 5.47
		Ticket Total				560.88
10/25/16	521275	Vehicle#: josh Special waste solid other Fuel environmental admin charges	28.78 28.78	TON TON	28.00 4.48	805.84 128.93



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		18-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	28.78	TON	.32	9.21
		Ticket Total				943.98
10/25/16	521276	Vehicle#: brett	24.00	TON	20.00	612.20
		Special waste solid other	21,90 21,90	TON TON	28.00 4.48	613.20 98.11
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	21.90	TON	.32	7.01
		wright d				
		Manifest#: 0 Ticket Total				718.32
10/25/16	521277	Vehicle#: dave				
		Special waste solid other	33.25	TON	28.00	931.00
		Fuel environmental admin charges	33.25	TON	4.48	148.96
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	33.25	TON	.32	10.64
		Manifest#: 0 Ticket Total				1,090.60
10/25/16	521282	Vehicle#: brandon	24.54	TON	20.00	966.28
		Special waste solid other	34.51 34.51	TON TON	28.00 4.48	154.60
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	34.51	TON	.32	11.04
		Manifest#: 0 Ticket Total				1,131.92
10/25/16	521284	Vehicle#: jared	20.40	TON	28.00	1,019.20
		Special waste solid other Fuel environmental admin charges	36.40 36.40	TON	4.48	163.07
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	36.40	TON	.32	11.65
		Manifest#: 111223wa Ticket Total				1,193.92
10/25/16	521286	Vehicle#: jeff				
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	25.47 25.47 25.47	TON TON TON	28.00 4.48 .32	713.16 114.11 8.15
		wright d Manifest#: 011223wa				
		MIATHERST#: 111177 3WA				

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
40/05/40	504000	V 1 . 1 # .				
10/25/16	521289	Vehicle#: joe	22.20	TON	20.00	034.03
		Special waste solid other	33.39	TON	28.00	934.92
		Fuel environmental admin charges	33.39	TON	4.48	149.59
		Spokane regional health district - special waste &	33.39	TON	.32	10.68
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,095.19
10/25/16	521201	Vehicle#: john				
10/23/10	321231	Special waste solid other	21.38	TON	28.00	598.64
		Fuel environmental admin charges	21.38	TON	4.48	95.78
		Spokane regional health district - special waste &	21.38	TON	.32	6.84
		Profile # 111223wa	21.30	1014	.32	0.04
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				704.00
		Ticket Total				701.26
10/25/16	521292	Vehicle#: wade				
10/20/10	021202	Special waste solid other	28.46	TON	28.00	796.88
		Fuel environmental admin charges	28.46	TON	4.48	127.50
		Spokane regional health district - special waste &	28.46	TON	.32	9.11
		Profile # 111223wa	20.10	1011	.02	0111
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				933.49
		TICKEL TOTAL				333.43
10/25/16	521293	Vehicle#: dan				
		Special waste solid other	31.46	TON	28.00	880.88
		Fuel environmental admin charges	31.46	TON	4.48	140.94
		Spokane regional health district - special waste &	31.46	TON	.32	10.07
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,031.89
10/25/16	521295	Vehicle#: bob				
		Special waste solid other	26.39	TON	28.00	738.92
		Fuel environmental admin charges	26.39	TON	4.48	118.23
		Spokane regional health district - special waste &	26.39	TON	.32	8.44
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				865.59
10/05/15	E04000	Malada Redia (Inc.)				
10/25/16	521298	Vehicle#: kelly	20.02	TON	20.00	057.00
		Special waste solid other	30.62	TON	28.00	857.36
		Fuel environmental admin charges	30.62	TON	4.48	137.18
		Spokane regional health district - special waste &	30.62	TON	.32	9.80
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				



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V Clark Construction, Inc

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ate: Due Upon Receipt

Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree Description	Quantity	U/M	Rate	Amount
Date	TICKEL	Manifest#: 111223wa	Quartity	O/IVI	Kate	Amount
		Ticket Total				1,004.34
10/25/16	521300	Vehicle#: dave	22.64	TON	20.00	633.0
		Special waste solid other	22.64	TON	28.00	633.92
		Fuel environmental admin charges	22.64	TON	4.48	101.43
		Spokane regional health district - special waste & Profile # 111223wa	22.64	TON	.32	7.2
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				742.5
10/25/16	521302	Vehicle#: marty				
		Special waste solid other	18.46	TON	28.00	516.8
		Fuel environmental admin charges	18.46	TON	4.48	82.70
		Spokane regional health district - special waste &	18.46	TON	.32	5.9
		Profile # 111223wa	10.40	1011	.52	0.0
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				605.4
0/25/16	521304	Vehicle#: john				
		Special waste solid other	36.49	TON	28.00	1,021.7
		Fuel environmental admin charges	36.49	TON	4.48	163.4
		Spokane regional health district - special waste &	36.49	TON	.32	11.6
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,196.8
		Ticket Total				1,100.0
10/25/16	521306	Vehicle#: brett	00.00	TON	22.00	005.0
		Special waste solid other	22.69	TON	28.00	635.3
		Fuel environmental admin charges	22.69	TON	4.48	101.6
		Spokane regional health district - special waste & Profile # 111223wa	22.69	TON	.32	7.2
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				744.2
0/25/16	521307	Vehicle#: josh				
		Special waste solid other	29.32	TON	28.00	820.9
		Fuel environmental admin charges	29.32	TON	4.48	131.3
		Spokane regional health district - special waste &	29.32	TON	.32	9.3
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				961.6
0/25/16	521308	Vehicle#: dave				
		Special waste solid other	30.90	TON	28.00	865.2
		Fuel environmental admin charges	30.90	TON	4.48	138.4

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	30.90	TON	.32	9.89
		Ticket Total				1,013.52
10/25/16	521309	Vehicle#: brandon Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	33.11 33.11 33.11	TON TON TON	28.00 4.48 .32	927.08 148.33 10.60 1,086.01
						.,000.01
10/25/16	521315	Vehicle#: jared Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	33.08 33.08 33.08	TON TON TON	28.00 4.48 .32	926.24 148.20 10.59
		Ticket Total				1,085.03
10/26/16	521332	Vehicle#: josh Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	32.42 32.42 32.42	TON TON TON	28.00 4.48 .32	907.76 145.24 10.37
		Ticket Total				1,063.37
10/26/16	521333	Vehicle#: bob Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	22.94 22.94 22.94	TON TON TON	28.00 4.48 .32	642.32 102.77 7.34
		Manifest#: 111223wa Ticket Total				752.43
10/26/16	521336	Vehicle#: brett Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	22.96 22.96 22.96	TON TON TON	28.00 4.48 .32	642.88 102.86 7.35
	521338	Vehicle#: dave				



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Description  Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	Quantity 20.73 20.73 20.73 20.73 32.24 32.24 32.24 32.24 32.60 36.00 36.00	TON TON TON TON TON TON TON	Rate 28.00 4.48 .32  28.00 4.48 .32	Amount 580.44 92.87 6.63 679.94 902.72 144.44 10.32
Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	20.73 20.73 32.24 32.24 32.24 32.24	TON TON TON TON TON	4.48 .32 28.00 4.48	92.87 6.63 <b>679.94</b> 902.72 144.44 10.32
Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 32.24 32.24	TON TON TON TON	.32 28.00 4.48	6.63 679.94 902.72 144.44 10.32
Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 32.24 32.24	TON TON TON	28.00 4.48	<b>679.94</b> 902.72 144.44 10.32
Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	902.72 144.44 10.32
wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	902.72 144.44 10.32
wright d Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	902.72 144.44 10.32
Manifest#: 111223wa Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	902.72 144.44 10.32
Ticket Total  Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	902.72 144.44 10.32
Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	144.44 10.32
Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	144.44 10.32
Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32.24 32.24 36.00	TON TON	4.48	144.44 10.32
Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	32,24 36,00	TON	-	10.32
Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges	36,00		.32	
Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges		TON		1,057.48
wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges		TON		1,057.48
wright d Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges		TON		1,057.48
Manifest#: 111223wa Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges		TON		1,057.48
Ticket Total  Vehicle#: brandon Special waste solid other Fuel environmental admin charges		TON		1,057.48
Special waste solid other Fuel environmental admin charges		TON		·
Special waste solid other Fuel environmental admin charges		TON		
Fuel environmental admin charges		TON		
	36.00		28.00	1,008.00
	30,00	TON	4.48	161.28
Spokane regional health district - special waste &	36.00	TON	.32	11.52
Profile # 111223wa				
Generator sisters of holy names 2911 ft george				
wright d				
Manifest#: 111223wa				
Ticket Total				1,180.80
a a				
Vehicle#: tom				
Special waste solid other	32.02	TON	28.00	896.56
Fuel environmental admin charges	32.02	TON	4.48	143.45
Spokane regional health district - special waste &	32.02	TON	.32	10.25
Profile # 111223wa				
Generator sisters of holy names 2911 ft george				
wright d				
Manifest#: 111223wa				
Ticket Total				1,050.26
1101101110111				1,000.20
Vehicle#: jared				
Special waste solid other	33.52	TON	28.00	938.56
Fuel environmental admin charges	33.52	TON	4.48	150.17
				10.73
, , , , , , , , , , , , , , , , , , , ,				
wiight a				
				1,099.46
Manifest#: 111223wa				1,000.40
Manifest#: 111223wa	30.94	TON	28.00	866.32
Manifest#: 111223wa Ticket Total	30.94	TON	4.48	138.61
Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other			.32	9.90
Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other Fuel environmental admin charges	30.94		<del>-</del>	5.50
Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste &	30.94			
Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	30.94			
	Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other Fuel environmental admin charges	Fuel environmental admin charges 33.52 Spokane regional health district - special waste & 33.52 Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other 30.94 Fuel environmental admin charges 30.94 Spokane regional health district - special waste & 30.94 Profile # 111223wa	Fuel environmental admin charges 33.52 TON Spokane regional health district - special waste & 33.52 TON Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other 30.94 TON Fuel environmental admin charges 30.94 TON Spokane regional health district - special waste & 30.94 TON Profile # 111223wa Generator sisters of holy names 2911 ft george	Fuel environmental admin charges 33.52 TON 4.48 Spokane regional health district - special waste & 33.52 TON .32 Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total  Vehicle#: joel Special waste solid other 30.94 TON 28.00 Fuel environmental admin charges 30.94 TON 4.48 Spokane regional health district - special waste & 30.94 TON .32 Profile # 111223wa

		18-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Manifest#: 111223wa Ticket Total				1,014.83
10/26/16	521348	Vehicle#: kelly				
		Special waste solid other	30.24	TON	28.00	846.72
		Fuel environmental admin charges	30.24	TON	4.48	135.48
		Spokane regional health district - special waste &	30.24	TON	.32	9.68
	*	Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				991.88
0/26/16	521349	Vehicle#: john				
		Special waste solid other	31.17	TON	28.00	872.76
		Fuel environmental admin charges	31.17	TON	4.48	139.64
		Spokane regional health district - special waste &	31.17	TON	.32	9.97
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				1,022.37
0/26/16	521350	Vehicle#: dave				
		Special waste solid other	28.64	TON	28.00	801.92
		Fuel environmental admin charges	28.64	TON	4.48	128.31
		Spokane regional health district - special waste &	28.64	TON	.32	9.16
		Profile # 111223wa Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				939.39
10/26/16	521351	Vehicle#: john				
		Special waste solid other	15.02	TON	28.00	420.56
		Fuel environmental admin charges	15.02	TON	4.48	67.29
		Spokane regional health district - special waste &	15.02	TON	.32	4.81
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				492.66
10/26/16	521355	Vehicle#: dave				
		Special waste solid other	30.53	TON	28.00	854.84
		Fuel environmental admin charges	30.53	TON	4.48	136.77
		Spokane regional health district - special waste &	30.53	TON	.32	9.77
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,001.38
10/26/16	521361	Vehicle#: bob				
		Special waste solid other	22.58	TON	28.00	632.24
		Fuel environmental admin charges	22.58	TON	4.48	101.16
		Spokane regional health district - special waste &	22.58	TON	.32	7.23
		Profile # 111223wa				





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		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				740.63
10/26/16	521363	Vehicle#: josh Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	31.47 31.47 31.47	TON TON TON	28.00 4.48 .32	881.16 140.99 10.07
10/26/16	521365	Vehicle#: brett Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	19.50 19.50 19.50	TON TON TON	28.00 4.48 .32	546.00 87.36 6.24
10/26/16	521366	Vehicle#; dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	23.17 23.17 23.17	TON TON TON	28.00 4.48 .32	648.76 103.80 7.41 <b>759.97</b>
10/26/16	521369	Vehicle#: brandon Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	32.87 32.87 32.87	TON TON TON	28.00 4.48 .32	920.36 147.26 10.52
10/26/16	521370	Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	29.04 29.04 29.04	TON TON TON	28.00 4.48 .32	813.12 130.10 9.29 <b>952.51</b>
10/26/16	521372	Vehicle#: tom				

		18-842 TW Clark Construction, Inc.: 1117 N Evergree		a reconnect	A717-A177-A	Macrosons pages
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	1.80	TON	28.00	50.40
		Fuel environmental admin charges	1.80	TON	4.48	8.06
		Spokane regional health district - special waste &	1.80	TON	.32	.58
		Profile # 111223wa	.,,,,			
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				59.04
0/26/16	521374	Vehicle#: jared	25.44	TON	20.00	002.00
		Special waste solid other	35.11	TON	28.00	983.08
		Fuel environmental admin charges	35.11	TON	4.48	157.29
		Spokane regional health district - special waste &	35.11	TON	.32	11.24
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
						1,151.61
		Ticket Total				1,131.01
0/26/16	521378	Vehicle#: joel				
0,20,10	021070	Special waste solid other	32.48	TON	28.00	909.44
			32.48	TON	4.48	145.51
		Fuel environmental admin charges				
		Spokane regional health district - special waste &	32.48	TON	.32	10.39
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,065.34
		ricket rotal				1,000.01
10/26/16	521380	Vehicle#: john				
		Special waste solid other	33.65	TON	28.00	942,20
		Fuel environmental admin charges	33.65	TON	4.48	150.75
				TON	.32	10.77
		Spokane regional health district - special waste &	33.65	TON	.32	10.77
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,103.72
0/26/16	521381	Vehicle#: kelly				
		Special waste solid other	32.44	TON	28.00	908.33
		Fuel environmental admin charges	32.44	TON	4.48	145.33
		Spokane regional health district - special waste &	32.44	TON	.32	10.38
		Profile # 111223wa	SZ, III	1011	.02	10100
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,064.03
0/00/40	E04000	M-h:-l- #. dave				
0/26/16	521383	Vehicle#: dave	27.40	TON	20.00	767.20
		Special waste solid other		TON	28.00	
		Fuel environmental admin charges	27.40	TON	4.48	122.7
		Spokane regional health district - special waste &	27.40	TON	.32	8.7
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
						000 7
		Ticket Total				898.77



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Clark Construction, Inc

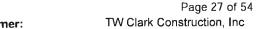
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11/01/2016 0064230-1518-6

518-0000842-1518-1 Due Upon Receipt

Service L	ocation:	518-842 TW Clark Construction, Inc.: 1117 N Evergre	en Rd. #1: Sp	okane Wa 9	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
40100140	504005	M 1 : 1 // /				
10/26/16	521385	Vehicle#: dave	28.19	TON	28.00	789.32
		Special waste solid other				
		Fuel environmental admin charges	28.19	TON	4.48	126.29
		Spokane regional health district - special waste &	28.19	TON	.32	9.02
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				(m)
		Manifest#: 111223wa				
		Ticket Total				924.63
10/26/16	521396	Vehicle#: josh				
10/20/10	02.000	Special waste solid other	31.91	TON	28.00	893.48
		Fuel environmental admin charges	31.91	TON	4.48	142.96
		Spokane regional health district - special waste &	31.91	TON	.32	10.21
		Profile # 111223wa	31.31	TON	.32	10.21
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				4 0 4 0 0 5
		Ticket Total				1,046.65
10/26/16	521397	Vehicle#: bob				
		Special waste solid other	27.28	TON	28.00	763.84
		Fuel environmental admin charges	27.28	TON	4.48	122,21
		Spokane regional health district - special waste &	27.28	TON	.32	8.73
		Profile # 111223wa	27.20	1011	.02	0.70
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				004.70
		Ticket Total				894.78
10/26/16	521400	Vehicle#: john				
		Special waste solid other	18.47	TON	28.00	517.16
		Fuel environmental admin charges	18.47	TON	4.48	82.75
		Spokane regional health district - special waste &	18.47	TON	.32	5.91
		Profile # 111223wa	,			
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				605.82
		ricket rotal				003.02
10/26/16	521402	Vehicle#: brett				
		Special waste solid other	21.33	TON	28.00	597.24
		Fuel environmental admin charges	21.33	TON	4.48	95.56
		Spokane regional health district - special waste &	21.33	TON	.32	6.83
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				699.63
10/26/16	521403	Vehicle#: dave	23.78	TON	28.00	665.84
		Special waste solid other		TON		
		Fuel environmental admin charges	23.78	TON	4.48	106.53
		Spokane regional health district - special waste &	23.78	TON	.32	7.61
		Profile # 111223wa				

		18-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				770.00
		Ticket Total				779.98
10/26/16	521404	Vehicle#: brandon				
		Special waste solid other	34.91	TON	28.00	977.48
		Fuel environmental admin charges	34.91	TON	4.48	156.40
		Spokane regional health district - special waste &	34.91	TON	.32	11.17
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,145.05
10/26/16	521405	Vehicle#: john				
		Special waste solid other	26.95	TON	28.00	754.60
		Fuel environmental admin charges	26.95	TON	4.48	120.74
		Spokane regional health district - special waste &	26.95	TON	.32	8.62
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				883.96
10/26/16	521408	Vehicle#: tom				
	0_1.00	Special waste solid other	28.79	TON	28.00	806.12
		Fuel environmental admin charges	28.79	TON	4.48	128.98
		Spokane regional health district - special waste &	28.79	TON	.32	9.21
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				944.31
10/26/16	521412	Vehicle#: jared				
		Special waste solid other	31.87	TON	28.00	892.36
		Fuel environmental admin charges	31.87	TON	4.48	142.78
		Spokane regional health district - special waste &	31.87	TON	.32	10.20
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,045.34
10/26/16	521416	Vehicle#: joel				
		Special waste solid other	29.12	TON	28.00	815.36
		Fuel environmental admin charges	29.12	TON	4.48	130.46
		Spokane regional health district - special waste &	29.12	TON	.32	9.32
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				955.14
10/26/16	521417	Vehicle#: john				
		Special waste solid other	27.99	TON	28.00	783.72
		Fuel environmental admin charges	27.99	TON	4.48	125.40





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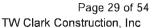
0064230-1518-6 518-0000842-1518-1 Due Upon Receipt

00003-87297-35007

11/01/2016

Service L		518-842 TW Clark Construction, Inc.: 1117 N Evergre	en Rd. #1: Sp			
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	27.99	TON	,32	8.96
		Ticket Total				918.08
10/26/16	521422	Vehicle#: kelly Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	23.82 23.82 23.82	TON TON TON	28.00 4.48 .32	666.96 106.71 7.62
		Manifest#: 111223wa Ticket Total				781.29
10/26/16	521423	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	28.86 28.86 28.86	TON TON TON	28.00 4.48 .32	808.08 129.29 9.24
		Manifest#: 111223wa Ticket Total				946.61
10/26/16	521426	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	24.75 24.75 24.75	TON TON TON	28.00 4.48 .32	693.00 110.88 7.92 <b>811.80</b>
10/26/16	521440	Vehicle#: bob Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 1111223wa	24.50 24.50 24.50	TON TON TON	28.00 4.48 .32	686.00 109.76 7.84 <b>803.60</b>
10/26/16	521444	Vehicle#: josh Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	27.43 27.43 27.43	TON TON TON	28.00 4.48 .32	768.04 122.89 8.78
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				899.71

		18-842 TW Clark Construction, Inc.: 1117 N Evergre				Λ
Date	Ticket	Description	Quantity	U/M	Rate	Amount
10/00/40	F24.440	Malatala Halanak				
10/26/16	521448	Vehicle#: brett	20.67	TON	28,00	578.76
		Special waste solid other	20.67			
		Fuel environmental admin charges	20.67	TON	4.48	92.60
		Spokane regional health district - special waste &	20.67	TON	.32	6.61
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				677.97
		Ticket Total				077.37
10/26/16	521450	Vehicle#: dave				
. 0, 20, . 0	021100	Special waste solid other	25.73	TON	28.00	720.44
			25.73	TON	4.48	115.27
		Fuel environmental admin charges			· · · · <del>-</del>	
		Spokane regional health district - special waste &	25.73	TON	.32	8.23
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				843.94
10/26/16	521451	Vehicle#: brandon				
		Special waste solid other	36.15	TON	28.00	1,012.20
		Fuel environmental admin charges	36.15	TON	4.48	161.95
		Spokane regional health district - special waste &	36.15	TON	.32	11.57
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				19
		wright d				
		Manifest#: 111223wa				
						4 405 70
		Ticket Total				1,185.72
10/26/16	521455	Vehicle#: john				
10/20/10	021100	Special waste solid other	32.08	TON	28.00	898.24
		Fuel environmental admin charges	32.08	TON	4.48	143.72
			32.08	TON	.32	10.27
		Spokane regional health district - special waste &	32.00	TON	.32	10.27
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,052.23
10/26/16	521460	Vehicle#: tom				
		Special waste solid other	30.78	TON	28.00	861.84
		Fuel environmental admin charges	30.78	TON	4.48	137.89
		Spokane regional health district - special waste &	30.78	TON	.32	9.85
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,009.58
10/26/16	521/62	Vahicle#: john				
10/20/10	JZ 140Z	Vehicle#: john	16.00	TON	28.00	475.72
		Special waste solid other	16.99			
		Fuel environmental admin charges	16.99	TON	4.48	76.12
		Spokane regional health district - special waste &	16.99	TON	.32	5.44
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		3 3				





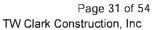
Customer: Online WM ezPay ID:

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		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Manifest#: 111223wa Ticket Total				557.28
						337.23
10/26/16	521463	Vehicle#: jared				
		Special waste solid other	32.70	TON	28.00	915.60
		Fuel environmental admin charges	32.70	TON	4.48	146.50
		Spokane regional health district - special waste &	32.70	TON	.32	10.46
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,072.56
10/26/16	521464	Vehicle#: joel				
		Special waste solid other	27.14	TON	28.00	759.92
		Fuel environmental admin charges	27.14	TON	4.48	121.59
		Spokane regional health district - special waste &	27.14	TON	.32	8.68
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				222.42
		Ticket Total				890.19
10/26/16	521466	Vehicle#: john				
		Special waste solid other	31.16	TON	28.00	872.48
		Fuel environmental admin charges	31.16	TON	4.48	139.60
		Spokane regional health district - special waste &	31.16	TON	.32	9.97
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				1,022.05
		Tionot Total				1,022.00
10/26/16	521473	Vehicle#: kelly				
		Special waste solid other	30.28	TON	28.00	847.84
		Fuel environmental admin charges	30.28	TON	4.48	135.65
		Spokane regional health district - special waste & Profile # 111223wa	30.28	TON	.32	9.69
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				993.18
10/26/16	521477	Vehicle#: dave				
,		Special waste solid other	28.50	TON	28.00	798.00
		Fuel environmental admin charges	28.50	TON	4.48	127.68
		Spokane regional health district - special waste &	28.50	TON	.32	9.12
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0 Ticket Total				934.80
						001.00
10/26/16	521484	Vehicle#: dave	27.00	TON	20.00	353.00
		Special waste solid other	27.06	TON	28.00	757.68
		Fuel environmental admin charges	27.06	TON	4.48	121.23

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	27.06	TON	.32	8.66
		Manifest#: 0 Ticket Total				887.57
10/27/16	521535	Vehicle#: bob				
		Special waste solid other	25.42	TON	28.00	711.76
		Fuel environmental admin charges	25.42	TON	4.48	113.88
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	25.42	TON	.32	8.13
		wright d Manifest#: 0				022.77
		Ticket Total				833.77
10/27/16	521536	Vehicle#: josh Special waste solid other	29.06	TON	28.00	813.68
		Fuel environmental admin charges	29.06	TON	4.48	130.19
		Spokane regional health district - special waste & Profile # 111223wa	29.06	TON	.32	9.30
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 0 Ticket Total				953.17
10/27/16	521538	Vehicle#: dave				
		Special waste solid other	24.13	TON	28.00	675.64
		Fuel environmental admin charges	24.13	TON	4.48	108.10
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	24.13	TON	.32	7.72
		Manifest#: 0 Ticket Total				791.46
						751.40
10/27/16	521539	Vehicle#: john	29.27	TON	28.00	819.56
		Special waste solid other Fuel environmental admin charges	29.27	TON	4.48	131.13
		Spokane regional health district - special waste &	29.27	TON	.32	9.37
		Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	23.27	1014	.52	3.37
		Manifest#: 0 Ticket Total				960.06
10/27/16	521548	Vehicle#: brett				
		Special waste solid other	25.85	TON	28.00	723.80
		Fuel environmental admin charges	25.85	TON	4.48	115.81
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	25.85	TON	.32	8.27
		wright d Manifest#: 0				
		Ticket Total				847.88
10/27/16	521549	Vehicle#: joel				





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518-0000842-1518-1 Due Upon Receipt

ate	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree Description	Quantity	U/M	Rate	Amount
ale .	TICKEL		33,31	TON	28.00	932.68
		Special waste solid other		TON	4.48	149.23
		Fuel environmental admin charges	33.31		.32	10.66
		Spokane regional health district - special waste &	33.31	TON	.32	10.00
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,092.57
0/27/16	521551	Vehicle#: brandon	54.46	TON	00.00	004.00
		Special waste solid other	34.46	TON	28.00	964.88
		Fuel environmental admin charges	34.46	TON	4.48	154.38
		Spokane regional health district - special waste &	34.46	TON	.32	11.03
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,130.29
		Tionet Total				.,
0/27/16	521553	Vehicle#: tom				
		Special waste solid other	33.98	TON	28.00	951.44
		Fuel environmental admin charges	33.98	TON	4.48	152,23
		Spokane regional health district - special waste &	33.98	TON	.32	10.87
		Profile # 111223wa	00.00			
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				4 444 54
		Ticket Total				1,114.54
0/27/16	521554	Vehicle#: dale				
ULTITO	321334	Special waste solid other	19.72	TON	28.00	552.16
			19.72	TON	4.48	88.35
		Fuel environmental admin charges	19.72	TON	.32	6.31
		Spokane regional health district - special waste &	19.72	TON	.32	0.31
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				646.82
0/07/10	F01F01	Vahiala H. dave				
0/27/16	521561	Vehicle#: dave	20.00	TON	20.00	806.40
		Special waste solid other	28.80	TON	28.00	
		Fuel environmental admin charges	28.80	TON	4.48	129.02
		Spokane regional health district - special waste &	28.80	TON	.32	9.22
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				944.64
0.10=1:-	E04===					
0/27/16	521562	Vehicle#: kelly	24.07	TON	20.00	070.00
		Special waste solid other	31.37	TON	28.00	878.36
		Fuel environmental admin charges	31.37	TON	4.48	140.54
		Spokane regional health district - special waste &	31.37	TON	.32	10.04
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				

		18-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Manifest#: 111223wa Ticket Total				1,028.94
0/27/16	521565	Vehicle#: dave				
		Special waste solid other	35.65	TON	28.00	998.20
		Fuel environmental admin charges	35.65	TON	4.48	159.71
		Spokane regional health district - special waste &	35.65	TON	.32	11.41
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,169.32
0/27/16	521569	Vehicle#: tony				
		Special waste solid other	29.50	TON	28.00	826.00
		Fuel environmental admin charges	29.50	TON	4.48	132.16
		Spokane regional health district - special waste &	29.50	TON	.32	9.44
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				967.60
		Ticket Total				307.00
0/27/16	521571	Vehicle#: steve		TON		044.40
		Special waste solid other	32.55	TON	28.00	911.40
		Fuel environmental admin charges	32.55	TON	4.48	145.82
		Spokane regional health district - special waste & Profile # 111223wa	32.55	TON	.32	10.42
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,067.64
10/27/16	521573	Vehicle#: keith				
0/2//10	521575	Special waste solid other	30.57	TON	28.00	855.96
		Fuel environmental admin charges	30.57	TON	4.48	136.95
		Spokane regional health district - special waste &	30.57	TON	.32	9.78
		Profile # 111223wa	55.57	1011	.02	0170
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,002.69
0/27/16	521577	Vehicle#: josh				
		Special waste solid other	29.15	TON	28.00	816.20
		Fuel environmental admin charges	29.15	TON	4.48	130.59
		Spokane regional health district - special waste &	29.15	TON	.32	9.33
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa Ticket Total				956.12
0/27/16	521578	Vehicle#: bob Special waste solid other	27.24	TON	28.00	762.72
		Fuel environmental admin charges	27.24	TON	4.48	122.04
		Spokane regional health district - special waste &	27.24	TON	.32	8.72
		Sportano regional median district special medic di				U., L



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00003-87297-35007

11/01/2016

Due Upon Receipt

Invoice Date: Invoice Number: Account Number:

0064230-1518-6 518-0000842-1518-1

Due Date:

		518-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				893.48
10/27/16	521580	Vehicle#: john	00.10	TON	22.22	200.00
		Special waste solid other	32.12	TON	28.00	899.36
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	32.12 32.12	TON TON	4.48 .32	143.90 10.28
		wright d				
		Manifest#: 111223wa Ticket Total				1,053.54
10/27/16	521581	Vehicle#: dave	00.00	TON	22.22	.005.04
		Special waste solid other	22.33	TON	28.00	625.24
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	22.33 22.33	TON TON	4.48 .32	100.04 7.15
		wright d Manifest#: 111223wa <b>Ticket Total</b>				732.43
10/27/16	521583	Vehicle#: joel				
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	32.45 32.45 32.45	TON TON TON	28.00 4.48 .32	908.60 145.38 10.38
		wright d Manifest#: 111223wa T <b>icket Total</b>				1,064.36
10/27/16	521584	Vehicle#: dale				
		Special waste solid other	20.10	TON	28.00	562.80
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	20.10 20.10	TON TON	4.48 .32	90.05 6.43
		Manifest#: 111223wa Ticket Total				659.28
10/27/16	521587	Vehicle#: chris				
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	30.78 30.78 30.78	TON TON TON	28.00 4.48 .32	861.84 137.89 9.85
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,009.58
10/27/16	521590	Vehicle#: tom				

Data		18-842 TW Clark Construction, Inc.: 1117 N Evergree				A
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	31.86	TON	28.00	892.08
		Fuel environmental admin charges	31.86	TON	4.48	142.73
		Spokane regional health district - special waste &	31.86	TON	.32	10.20
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
						1 045 04
		Ticket Total				1,045.01
10/07/40	E04 E04	Material Heaten Heaten				
0/27/16	521591	Vehicle#: kelly	20.40	TON	20.00	851.20
		Special waste solid other	30.40	TON	28.00	
		Fuel environmental admin charges	30.40	TON	4.48	136.19
		Spokane regional health district - special waste &	30.40	TON	.32	9.73
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				997.12
		ricket rotal				337.12
10/27/16	521607	Vehicle#: brandon				
0121110	321007	Special waste solid other	34.87	TON	28.00	976.36
			- 0.0		_0.00	
		Fuel environmental admin charges	34.87	TON	4.48	156.22
		Spokane regional health district - special waste &	34.87	TON	.32	11.16
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,143.74
		Ticket Total				1,1101,1
10/27/16	521615	Vehicle#: dave				
OILIIIO	321013	Special waste solid other	34.97	TON	28.00	979.16
			34.97	TON	4.48	156.67
		Fuel environmental admin charges				
		Spokane regional health district - special waste &	34.97	TON	.32	11.19
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,147.02
		11010110101				.,
0/27/16	52161 <b>7</b>	Vehicle#: tony				
		Special waste solid other	27.03	TON	28.00	756.84
		Fuel environmental admin charges	27.03	TON	4.48	121.09
			27.03	TON	.32	8.6
		Spokane regional health district - special waste &	27.03	TON	.32	0.0
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				886.5
0/27/16	521618	Vehicle#: brett				
		Special waste solid other	24.47	TON	28.00	685.1
		Fuel environmental admin charges	24.47	TON	4.48	109.6
		Spokane regional health district - special waste &	24.47	TON	.32	7.8
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				802.6



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11/01/2016 0064230-1518-6

518-0000842-1518-1 Due Upon Receipt

lnv	oice Date:
lnv	oice Number:
Ac	count Number:
Du	e Date:

		518-842 TW Clark Construction, Inc.: 1117 N Evergre	en Rd. #1: Sp	okane Wa 9	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
10/27/10	F21C10	Matrials # days				
10/27/16	521619	Vehicle#: dave Special waste solid other	35.66	TON	28.00	998.48
		Fuel environmental admin charges	35.66	TON	4.48	159.76
		Spokane regional health district - special waste &	35.66	TON	.32	11,41
		Profile # 111223wa	33.00	1014	.52	11.71
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,169.65
10/27/16	521620	Vehicle#: bob				
		Special waste solid other	33.16	TON	28.00	928.48
		Fuel environmental admin charges	33.16	TON	4.48	148.56
		Spokane regional health district - special waste &	33.16	TON	.32	10.61
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa Ticket Total				1,087.65
		Ticket Total				1,067.05
10/27/16	521621	Vehicle#: keith				
		Special waste solid other	33.24	TON	28.00	930.72
		Fuel environmental admin charges	33.24	TON	4.48	148.92
		Spokane regional health district - special waste &	33.24	TON	.32	10.64
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,090.28
40/07/40	504000					
10/27/16	521622	Vehicle#: josh	34.19	TON	28.00	957.32
		Special waste solid other	34.19	TON	4.48	153.17
		Fuel environmental admin charges Spokane regional health district - special waste &	34.19	TON	.32	10.94
		Profile # 111223wa	34.13	TON	.52	10.54
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,121.43
10/27/16	521626	Vehicle#: john				
		Special waste solid other	31.92	TON	28.00	893.76
		Fuel environmental admin charges	31.92	TON	4.48	143.00
		Spokane regional health district - special waste &	31.92	TON	.32	10.21
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				4 0 4 0 0 7
		Ticket Total				1,046.97
10/27/16	521627	Vehicle#: dave				
. 5, 27, 10	32.02,	Special waste solid other	26.79	TON	28.00	750.12
		Fuel environmental admin charges	26.79	TON	4.48	120.02
		Spokane regional health district - special waste &	26.79	TON	.32	8.57
		Profile # 111223wa				

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description 2011 ft	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				878,71
		Ticket Total				0/0./1
10/27/16	521628	Vehicle#: steve				
		Special waste solid other	35.55	TON	28.00	995.40
		Fuel environmental admin charges	35.55	TON	4.48	159.26
		Spokane regional health district - special waste &	35.55	TON	.32	11.38
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				4 400 04
		Ticket Total				1,166.04
10/27/16	521629	Vehicle#: joel				
		Special waste solid other	33.97	TON	28.00	951.16
		Fuel environmental admin charges	33.97	TON	4.48	152.19
		Spokane regional health district - special waste &	33.97	TON	.32	10.87
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				4 444 22
		Ticket Total				1,114.22
10/27/16	521644	Vehicle#: dale				
		Special waste solid other	23.92	TON	28.00	669.76
		Fuel environmental admin charges	23.92	TON	4.48	107.16
		Spokane regional health district - special waste &	23.92	TON	.32	7.65
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				784.57
		ricket rotal				704.37
10/27/16	521646	Vehicle#: tom				
		Special waste solid other	30.92	TON	28.00	865.76
		Fuel environmental admin charges	30.92	TON	4.48	138.52
		Spokane regional health district - special waste &	30.92	TON	.32	9.89
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				1,014.17
		1101101 10141				.,
10/27/16	521652	Vehicle#: brandon				
		Special waste solid other	38.68	TON	28.00	1,083.04
		Fuel environmental admin charges	38.68	TON	4.48	173.29
		Spokane regional health district - special waste &	38.68	TON	.32	12.38
		Profile # 111223wa Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,268.71
		snot i otal				1,200171
10/27/16	521657	Vehicle#: dave				
		Special waste solid other	31.66	TON	28.00	886.48
		Fuel environmental admin charges	31.66	TON	4.48	141.84



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**0003-87297-35007** 11/01/2016

Invoice Date:
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Account Number:

0064230-1518-6 518-0000842-1518-1

Due Upon Receipt

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total	31.66	TON	.32	10.13 1,038.45
40/07/40	504050					
10/27/16	521658	Vehicle#: tony Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	29.88 29.88 29.88	TON TON TON	28.00 4.48 .32	836.64 133.86 9.56
		Manifest#: 0 Ticket Total				980.06
10/27/16	521659	Vehicle#: brett Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	23.93 23.93 23.93	TON TON TON	28.00 4.48 .32	670.04 107.21 7.66
		Manifest#: 0 Ticket Total				784.91
10/27/16	521660	Vehicle#: josh Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	29.98 29.98 29.98	TON TON TON	28.00 4.48 .32	839.44 134.31 9.59
		Ticket Total				983.34
10/27/16	521661	Vehicle#: bob Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	25.93 25.93 25.93	TON TON TON	28.00 4.48 .32	726.04 116.17 8.30
		Ticket Total				850.51
10/27/16	521665	Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	30.72 30.72 30.72	TON TON TON	28.00 4.48 .32	860.16 137.63 9.83
		Manifest#: 111223wa Ticket Total				1,007.62

		18-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
40/07/40	F04000	M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
10/27/16	521666	Vehicle#: keith	20.24	TON	20.00	790.72
		Special waste solid other	28.24	TON	28.00	
		Fuel environmental admin charges	28.24	TON	4.48	126.52
		Spokane regional health district - special waste &	28.24	TON	.32	9.04
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				926.28
10/27/16	E21667	Valaisla#, daya				
10/2//16	521007	Vehicle#: dave Special waste solid other	22.05	TON	28.00	617.40
		Fuel environmental admin charges	22.05	TON	4.48	98.78
			22.05	TON	.32	7.06
		Spokane regional health district - special waste &	22.05	TON	.32	7.00
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				723.24
10/27/16	521671	Vehicle#: joel				
		Special waste solid other	23.92	TON	28.00	669,76
		Fuel environmental admin charges	23.92	TON	4.48	107,16
		Spokane regional health district - special waste &	23.92	TON	.32	7.65
		Profile # 111223wa	20.02	1011	102	7100
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				784.57
		TICKEL TOTAL				704.57
10/27/16	521675	Vehicle#: steve				
		Special waste solid other	30.11	TON	28.00	843.08
		Fuel environmental admin charges	30.11	TON	4.48	134.89
		Spokane regional health district - special waste &	30.11	TON	.32	9.64
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				987.61
		Hollot Fortal				
10/27/16	521680	Vehicle#: torn				
		Special waste solid other	28.41	TON	28.00	795.48
		Fuel environmental admin charges	28.41	TON	4.48	127.28
		Spokane regional health district - special waste &	28.41	TON	.32	9.09
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				931.85
40/07/44	E04000	M 1: 1 # 1 1				
10/27/16	521682	Vehicle#: dale	20.50	TON	20.00	7000:
		Special waste solid other	28.53	TON	28.00	798.84
		Fuel environmental admin charges	28.53	TON	4.48	127.81
		Spokane regional health district - special waste &	28.53	TON	.32	9.13
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				



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Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree Description	Quantity	U/M	Rate	Amount
Date	Tionot	Manifest#: 111223wa	Quantity	O/IVI	Rate	Amount
		Ticket Total				935.78
10/27/16	521684	Vehicle#: kelly				
		Special waste solid other	28.01	TON	28.00	784.28
		Fuel environmental admin charges	28.01	TON	4.48	125.48
		Spokane regional health district - special waste &	28.01	TON	.32	8.96
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				918.72
10/27/16	521685	Vehicle#: brandon	00.55	TO	00.00	055.40
		Special waste solid other	30.55	TON	28.00	855.40
		Fuel environmental admin charges	30.55	TON	4.48	136.86
		Spokane regional health district - special waste &	30.55	TON	.32	9.78
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,002.04
10/27/16	521690	Vehicle#: dave				
		Special waste solid other	31.36	TON	28.00	878.08
		Fuel environmental admin charges	31.36	TON	4.48	140.49
		Spokane regional health district - special waste &	31.36	TON	.32	10.04
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,028.61
40/07/40	504004	M 1 1 1 11 11 11 11 11 11 11 11 11 11 11				
10/27/16	521691	Vehicle#: tony	27.45	TON	20.00	700.00
		Special waste solid other	27.45	TON	28.00	768.60
		Fuel environmental admin charges	27.45	TON	4.48	122.98
		Spokane regional health district - special waste &	27.45	TON	.32	8.78
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
						000.36
		Ticket Total				900.36
10/27/16	521696	Vehicle#: josh				
		Special waste solid other	32.58	TON	28.00	912.24
		Fuel environmental admin charges	32.58	TON	4.48	145.96
		Spokane regional health district - special waste &	32.58	TON	.32	10.43
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,068.63
10/27/16	E21607	Vohicle#: brott				
10/2//10	321097	Vehicle#: brett	26.76	TON	28.00	740.20
		Special waste solid other Fuel environmental admin charges	26.76 26.76	TON	4.48	749.28 119.88
		r der environmentar admitt Charges	20.70	ION	7.70	119.00

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	26.76	TON	.32	8.56
		Ticket Total				877.72
10/27/16	521699	Vehicle#: bob Special waste solid other	25.77	TON	28.00	721.56
		Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	25.77 25.77	TON TON	4.48 .32	115.45 8.25
		Ticket Total				845.26
10/27/16	521702	Vehicle#: dave	29,49	TON	28.00	825.72
		Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	29.49 29.49	TON TON	4.48 .32	132.12 9.44
		Ticket Total				967.28
10/27/16	521703	Vehicle#: john Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d	32.87 32.87 32.87	TON TON TON	28.00 4.48 .32	920.36 147.26 10.52
		Manifest#: 111223wa Ticket Total				1,078.14
10/27/16	521705	Vehicle#: keith Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george	30.81 30.81 30.81	TON TON TON	28.00 4.48 .32	862.68 138.03 9.86
		wright d Manifest#: 111223wa <b>Ticket Total</b>				1,010.57
10/27/16	521706	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	25.53 25.53 25.53	TON TON TON	28.00 4.48 .32	714.84 114.37 8.17
		Ticket Total				837.38
10/28/16	521728	Vehicle#: john				



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Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree  Description	Quantity	U/M	Rate	Amount
Jaic	TICKEL		21.87	TON	28.00	612.3
		Special waste solid other				
		Fuel environmental admin charges	21.87	TON	4.48	97.9
		Spokane regional health district - special waste &	21.87	TON	.32	7.0
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				717.3
		TICKET TOTAL				
0/28/16	E21727	Vahiala#, inff				
10/20/10	321/3/	Vehicle#: jeff	20.28	TON	28.00	567.8
		Special waste solid other				
		Fuel environmental admin charges	20.28	TON	4.48	90.8
		Spokane regional health district - special waste &	20.28	TON	.32	6.4
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				665.1
		Heret Fotal				00011
10/28/16	521762	Vehicle#: john				
10/20/10	321702		21.01	TON	28.00	588.2
		Special waste solid other				
		Fuel environmental admin charges	21.01	TON	4.48	94.1
		Spokane regional health district - special waste &	21.01	TON	.32	6.7
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				689.1
		Troiter Fetal				
10/28/16	52176 <i>1</i>	Vehicle#: jeff				
10/20/10	321704		20.53	TON	28.00	574.8
		Special waste solid other				
		Fuel environmental admin charges	20.53	TON	4.48	91.9
		Spokane regional health district - special waste &	20.53	TON	.32	6.5
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				673.3
		Trottot Fotal				
10/28/16	521705	Vehicle#: john				
10/20/10	321703		21.17	TON	28.00	592.7
		Special waste solid other				
		Fuel environmental admin charges	21,17	TON	4.48	94.8
		Spokane regional health district - special waste &	21.17	TON	.32	6.7
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				694.3
10/28/16	521795	Vehicle#: jeff				
10120110	JZ 1/3J		20.65	TON	28.00	578.2
		Special waste solid other				
		Fuel environmental admin charges	20.65	TON	4.48	92.5
		Spokane regional health district - special waste &	20.65	TON	.32	6.6
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Manifest#: 11122233wa Ticket Total				677.32
10/28/16	521815	Vehicle#: john				
		Special waste solid other	24.35	TON	28.00	681.80
		Fuel environmental admin charges	24.35	TON	4.48	109.09
		Spokane regional health district - special waste &	24.35	TON	.32	7.79
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				798.68
0/28/16	521827	Vehicle#: jeff				
		Special waste solid other	22.19	TON	28.00	621.32
		Fuel environmental admin charges	22.19	TON	4.48	99.41
		Spokane regional health district - special waste &	22.19	TON	.32	7.10
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				727.83
		Tierce Total				727.00
0/28/16	521857	Vehicle#: jeff				
		Special waste solid other	23.91	TON	28.00	669.48
		Fuel environmental admin charges	23.91	TON	4.48	107.12
		Spokane regional health district - special waste &	23.91	TON	.32	7.65
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				784.25
10/28/16	E210E0	Vehicle#: john				
10/20/10	32 1033	Special waste solid other	22.74	TON	28.00	636.72
		Fuel environmental admin charges	22.74	TON	4.48	101.88
		Spokane regional health district - special waste &	22.74	TON	.32	7.28
		Profile # 111223wa		_		
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				745.88
0/31/16	521887	Vehicle#: bob				
		Special waste solid other	25.93	TON	28.00	726.04
		Fuel environmental admin charges	25.93	TON	4.48	116.17
		Spokane regional health district - special waste &	25.93	TON	.32	8.30
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				850.51
10/31/16	52100n	Vahicla#: john				
0/3//10	JZ 1003	Vehicle#: john Special waste solid other	30.30	TON	28.00	848.40
		Fuel environmental admin charges	30.30	TON	4.48	135.74
		Spokane regional health district - special waste &	30.30	TON	.32	9.70



GRAHAM ROAD LANDFILL

Customer: Online WM ezPay ID:

Invoice Date: Invoice Number: Account Number

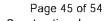
TW Clark Construction, Inc. 00003-87297-35007 11/01/2016 0064230-1518-6 518-0000842-1518-1

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5. 1820 GRAHAM ROAD MEDICAL LAKE, WA 99022		Account Nu Due Date:	mber:	518-0000842-1518 Due Upon Rece		
Service I	ocation: 5	18-842 TW Clark Construction, Inc.: 1117 N Evergre	en Rd #1· Sn	okane Wa 9	9216-1138	
Date	Ticket	Description Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				993.84
10/31/16	521890	Vehicle#: tom				
		Special waste solid other	29.47	TON	28.00	825.16
		Fuel environmental admin charges	29.47	TON	4.48	132.03
		Spokane regional health district - special waste & Profile # 111223wa	29.47	TON	.32	9.43
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				966.62
0/31/16	521895	Vehicle#: dave				
		Special waste solid other	24.53	TON	28.00	686.84
		Fuel environmental admin charges	24.53	TON	4.48	109.89
		Spokane regional health district - special waste & Profile # 111223wa	24.53	TON	.32	7.85
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				804.58

Date	Пскег	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				993.84
		HORCE FORM				000.01
10/31/16	521890	Vehicle#: tom				
		Special waste solid other	29.47	TON	28.00	825.16
		Fuel environmental admin charges	29.47	TON	4.48	132.03
		Spokane regional health district - special waste &	29.47	TON	.32	9.43
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				966.62
10/31/16	521895	Vehicle#: dave				
10/3 // 10	321000	Special waste solid other	24.53	TON	28.00	686.84
		Fuel environmental admin charges	24.53	TON	4.48	109.89
		Spokane regional health district - special waste &	24.53	TON	.32	7.85
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				804.58
10/31/16	521808	Vehicle#: john				
10/31/10	321030	Special waste solid other	18.72	TON	28.00	524.16
		Fuel environmental admin charges	18.72	TON	4.48	83.87
		Spokane regional health district - special waste &	18.72	TON	.32	5.99
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				614.02
10/31/16	521899	Vehicle#: leland				
10/31/10	321033		20.23	TON	28.00	566.44
				_		90.63
						6.47
			20.20			
		Manifest#: 111223wa				
		Ticket Total				663.54
10/21/16	E2100E	Valida#i isal				
10/31/10	521905		21 22	TON	28 00	876.96
						140.31
						10.02
			31.32	1014	.02	10.02
		Ticket Total				1,027.29
10/31/16	521908	Vehicle#: kelly				
10/31/16 10/31/16	521905	Ticket Total  Vehicle#: joel Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	20.23 20.23 20.23 31.32 31.32 31.32	TON TON TON TON TON	28.00 4.48 .32 28.00 4.48 .32	90 663 876 140 10

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	28.12	TON	28.00	787.36
		Fuel environmental admin charges	28.12	TON	4.48	125.98
		Spokane regional health district - special waste &	28.12	TON	.32	9.00
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				922.34
10/31/16	521911	Vehicle#: dave				
10/31/10	321911	Special waste solid other	28.06	TON	28.00	785.68
		Fuel environmental admin charges	28.06	TON	4.48	125.71
		Spokane regional health district - special waste &	28.06	TON	.32	8.98
		Profile # 111223wa	20.00	ron	.32	0.30
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				920.37
		ricket rotal				920.37
10/31/16	521913	Vehicle#: brandon				
		Special waste solid other	36.52	TON	28.00	1,022.56
		Fuel environmental admin charges	36.52	TON	4.48	163.61
		Spokane regional health district - special waste &	36.52	TON	.32	11.69
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,197.86
10/21/10	F2404C	Malatala di Salaha				
10/3//10	521916	Vehicle#: dale	25.27	TON	20.00	707.50
		Special waste solid other	25.27	TON	28.00	707.56
		Fuel environmental admin charges	25.27	TON	4.48	113.21
		Spokane regional health district - special waste &	25.27	TON	.32	8.09
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				020.00
		Ticket Total				828.86
10/31/16	521917	Vehicle#: jared				
		Special waste solid other	33.09	TON	28.00	926.52
		Fuel environmental admin charges	33.09	TON	4.48	148.24
		Spokane regional health district - special waste &	33.09	TON	.32	10.59
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,085.35
10/24/40	F01040	V-1-:-1-#d				
10/31/16	521919	Vehicle#: dan	33.68	TON	28.00	943.04
		Special waste solid other	33.68			
		Fuel environmental admin charges		TON	4.48	150.89
		Spokane regional health district - special waste &	33.68	TON	.32	10.78
		Profile # 111223wa  Congretor sisters of hely names 2011 ft george				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
						1 104 71
		Ticket Total				1,104.71





Customer: Online WM ezPay ID:

Due Date:

TW Clark Construction, Inc. 00003-87297-35007

Invoice Date: 0064230-1518-6 Invoice Number: Account Number:

518-0000842-1518-1 Due Upon Receipt

11/01/2016

Date	Ticket	18-842 TW Clark Construction, Inc.: 1117 N Evergree Description	Quantity	U/M	Rate	Amount
	TICKCE	Description	Quantity	Onvi	Nate	Amount
10/31/16	521926	Vehicle#: john				
10,01,10	027020	Special waste solid other	31.78	TON	28.00	889.8
		Fuel environmental admin charges	31.78	TON	4.48	142.3
		Spokane regional health district - special waste &	31.78	TON	.32	10.1
		Profile # 111223wa	01170		.02	
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,042.3
		ricket rotal				1,042.0
0/31/16	521927	Vehicle#: tom				
0,01,10	021027	Special waste solid other	33.15	TON	28.00	928.2
		Fuel environmental admin charges	33.15	TON	4.48	148.5
		Spokane regional health district - special waste &	33,15	TON	.32	10.6
		Profile # 111223wa	001.0			, , , ,
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,087.
		Tionat Total				1,0011
0/31/16	521930	Vehicle#: dave				
		Special waste solid other	34.44	TON	28.00	964.
		Fuel environmental admin charges	34.44	TON	4.48	154.
		Spokane regional health district - special waste &	34.44	TON	.32	11.
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,129.
						•
10/31/16	521931	Vehicle#: dave				
		Special waste solid other	27.17	TON	28.00	760.
		Fuel environmental admin charges	27.17	TON	4.48	121.
		Spokane regional health district - special waste &	27.17	TON	.32	8.
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				891.
0/31/16	521937	Vehicle#: john				
		Special waste solid other	19.01	TON	28.00	532
		Fuel environmental admin charges	19.01	TON	4.48	85
		Spokane regional health district - special waste &	19.01	TON	.32	6
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				623.
0/04/45	E04600					
U/31/16	521939	Vehicle#: leland	22 67	TON	28.00	634
		Special waste solid other	22.67			
		Fuel environmental admin charges	22.67	TON	4.48	101
		Spokane regional health district - special waste &	22.67	TON	.32	7
		Profile # 111223wa				

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				Δ.
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				743.57
10/31/16	521942	Vehicle#: joel				0.4.0.00
		Special waste solid other	32.81	TON	28.00	918.68
		Fuel environmental admin charges Spokane regional health district - special waste &	32.81 32.81	TON TON	4.48 .32	146.99 10.50
		Profile # 111223wa	32.01	TON	.52	10.50
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				4 070 47
		Ticket Total				1,076.17
10/31/16	521950	Vehicle#: kelly				
		Special waste solid other	31.30	TON	28.00	876.40
		Fuel environmental admin charges	31.30	TON	4.48	140.22
		Spokane regional health district - special waste &	31.30	TON	.32	10.02
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,026.64
10/31/16	521954	Vehicle#: dave				
		Special waste solid other	30.64	TON	28.00	857.92
		Fuel environmental admin charges	30.64	TON	4.48	137.27
		Spokane regional health district - special waste & Profile # 111223wa	30.64	TON	.32	9.80
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,004.99
10/31/16	521957	Vehicle#: dale				
		Special waste solid other	29.95	TON	28.00	838.60
		Fuel environmental admin charges	29.95	TON	4.48	134.18
		Spokane regional health district - special waste & Profile # 111223wa	29.95	TON	.32	9.58
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				982.36
10/31/16	521959	Vehicle#: brandon				
		Special waste solid other	39.96	TON	28.00	1,118.88
		Fuel environmental admin charges	39.96	TON	4.48	179.02
		Spokane regional health district - special waste & Profile # 111223wa	39.96	TON	.32	12.79
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,310.69
10/31/16	521963	Vehicle#: jared				
		Special waste solid other	34.61	TON	28.00	969.08
		Fuel environmental admin charges	34.61	TON	4.48	155.05





Customer: Online WM ezPay ID: TW Clark Construction, Inc.

00003-87297-35007

Invoice Date: Invoice Number: 11/01/2016 0064230-1518-6

Account Number: Due Date: 518-0000842-1518-1 Due Upon Receipt

820.98

Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa	34.61	TON	.32	11.08
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,135.21
10/31/16	521968	Vehicle#: dan				
		Special waste solid other	33.59	TON	28.00	940.52
		Fuel environmental admin charges	33.59	TON	4.48	150.48
		Spokane regional health district - special waste & Profile # 111223wa	33.59	TON	.32	10.75
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,101.75
0/31/16	521976	Vehicle#: john				
		Special waste solid other	30.68	TON	28.00	859.04
		Fuel environmental admin charges	30.68	TON	4.48	137.45
		Spokane regional health district - special waste & Profile # 111223wa	30.68	TON	.32	9.82
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,006.31
10/31/16	521977	Vehicle#: tom				
		Special waste solid other	27.16	TON	28.00	760.48
		Fuel environmental admin charges	27.16 27.16	TON TON	4.48 .32	121.68 8.69
		Spokane regional health district - special waste & Profile # 111223wa	27.10	TON	.32	0.08
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				890.85
10/31/16	521979	Vehicle#: dave	00.00	TON	00.00	705.00
		Special waste solid other	26.26	TON	28.00	735.28
		Fuel environmental admin charges	26.26	TON	4.48	117.64
		Spokane regional health district - special waste & Profile # 111223wa	26.26	TON	.32	8.40
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				861.32
10/31/16	521982	Vehicle#: dave				
		Special waste solid other	25.03	TON	28.00	700.84
		Fuel environmental admin charges	25.03	TON	4.48	112.13
		Spokane regional health district - special waste &	25.03	TON	.32	8.01
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Tetal				920.09

**Ticket Total** 

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
40/04/40	504000					
10/31/16	521989	Vehicle#: john	17 72	TON	20.00	496.16
		Special waste solid other	17.72	TON	28.00	
		Fuel environmental admin charges	17.72	TON	4.48	79.39
		Spokane regional health district - special waste &	17.72	TON	.32	5.67
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				581.22
10/31/16	521001	Vehicle#: leland				
10/3//10	JZ 1331	Special waste solid other	17.19	TON	28.00	481.32
			17.19	TON	4.48	77.01
		Fuel environmental admin charges			.32	5.50
		Spokane regional health district - special waste &	17.19	TON	.32	5.50
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				563.83
10/31/16	521994	Vehicle#: joel				
10/01/10	OLIODI	Special waste solid other	26.93	TON	28.00	754.04
		Fuel environmental admin charges	26.93	TON	4.48	120.65
		Spokane regional health district - special waste &	26.93	TON	.32	8.62
		Profile # 111223wa	20.00	1011	.02	0.02
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				883.31
		Ticket Total				000.01
10/31/16	522002	Vehicle#: kelly				
		Special waste solid other	28.24	TON	28.00	790.72
		Fuel environmental admin charges	28.24	TON	4.48	126.52
		Spokane regional health district - special waste &	28.24	TON	.32	9.04
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				926.28
10/31/16	522013	Vehicle#: dave				
		Special waste solid other	29.33	TON	28.00	821.24
		Fuel environmental admin charges	29.33	TON	4.48	131.40
		Spokane regional health district - special waste &	29.33	TON	.32	9.39
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				962.03
10/31/16	522014	Vehicle#: dale	07.04	TON	20.00	770.00
		Special waste solid other	27.61	TON	28.00	773.08
		Fuel environmental admin charges	27.61	TON	4.48	123.69
		Spokane regional health district - special waste &	27.61	TON	.32	8.84
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				



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0064230-1518-6 518-0000842-1518-1

Due Upon Receipt

Service Location: 518-842 TW Clark Construction, Inc.: 1117 N Evergreen Rd. #1: Spokane Wa 99216-1138 Date Description U/M Rate Amount Quantity Manifest#: 111223wa 905.61 **Ticket Total** 10/31/16 522015 Vehicle#: brandon TON 852.60 Special waste solid other 30.45 28.00 TON 30.45 4.48 136.42 Fuel environmental admin charges 30.45 TON .32 9.74 Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa 998.76 **Ticket Total** 10/31/16 522017 Vehicle#: jared TON 28.00 27.70 775.60 Special waste solid other Fuel environmental admin charges 27.70 TON 4.48 124.10 Spokane regional health district - special waste & 27.70 TON .32 8.86 Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa 908.56 **Ticket Total** 10/31/16 522021 Vehicle#: dan TON 28.00 794.36 Special waste solid other 28.37 TON 4.48 127.10 28.37 Fuel environmental admin charges 28.37 TON .32 9.08 Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa 930.54 **Ticket Total** 10/31/16 522027 Vehicle#: john 29.46 TON 28.00 824.88 Special waste solid other Fuel environmental admin charges 29.46 TON 4.48 131.98 TON Spokane regional health district - special waste & 29.46 .32 9.43 Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa **Ticket Total** 966.29 10/31/16 522034 Vehicle#: dave TON 28.00 793.24 Special waste solid other 28.33 28.33 TON 4.48 126.92 Fuel environmental admin charges Spokane regional health district - special waste & 28.33 TON .32 9.07 Profile # 111223wa Generator sisters of holy names 2911 ft george wriaht d Manifest#: 111223wa 929.23 **Ticket Total** 10/31/16 522035 Vehicle#: john Special waste solid other 19.30 TON 28.00 540.40 TON Fuel environmental admin charges 19.30 4.48 86.46

		518-842 TW Clark Construction, Inc.: 1117 N Evergre				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	19.30	TON	.32	6.18 <b>633.04</b>
10/31/16	522036	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	25.55 25.55 25.55	TON TON TON	28.00 4.48 .32	715.40 114.46 8.18
10/31/16	522042	Vehicle#: leland Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total	21.77 21.77 21.77	TON TON TON	28.00 4.48 .32	609.56 97.53 6.97
10/31/16	522043	Vehicle#: joel Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total	27.38 27.38 27.38	TON TON TON	28.00 4.48 .32	766.64 122.66 8.76
10/31/16	522045	Vehicle#: kelly Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total	28.60 28.60 28.60	TON TON TON	28.00 4.48 .32	800.80 128.13 9.15
10/31/16	522054	Vehicle#: dave Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total	28.08 28.08 28.08	TON TON TON	28.00 4.48 .32	786.24 125.80 8.99
10/31/16	522058	Vehicle#: dale				





Customer:

TW Clark Construction, Inc.

Online WM ezPay ID:

**00003-87297-35007** 11/01/2016

Invoice Date: Invoice Number:

0064230-1518-6

Account Number:

518-0000842-1518-1

Due Date: Due Upon Receipt

		518-842 TW Clark Construction, Inc.: 1117 N Evergree	en Ra. #1: Sp	okane wa s	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Special waste solid other	19.42	TON	28.00	543.76
		Fuel environmental admin charges	19.42	TON	4.48	87.00
		Spokane regional health district - special waste &	19.42	TON	.32	6.21
		Profile # 111223wa				0.2.
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				636.97
10/31/16	522061	Vehicle#: jared				
0,00	0_200.	Special waste solid other	31.75	TON	28.00	889.00
		Fuel environmental admin charges	31.75	TON	4.48	142.24
				TON	_	
		Spokane regional health district - special waste &	31.75	TON	.32	10.16
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,041.40
0/21/10	F220C2	Making Makanadan				
0/31/16	322002	Vehicle#: brandon	25.04	TON	00.00	4 000
		Special waste solid other	35.94	TON	28.00	1,006.32
		Fuel environmental admin charges	35.94	TON	4.48	161.01
		Spokane regional health district - special waste &	35.94	TON	.32	11.50
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,178.83
0/31/16	522065	Vehicle#: dan				
		Special waste solid other	32.01	TON	28.00	896.28
		Fuel environmental admin charges	32.01	TON	4.48	143.40
		Spokane regional health district - special waste &	32.01	TON	.32	10.24
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,049.92
0/31/16	522076	Vehicle#: john				
		Special waste solid other	31.34	TON	28.00	877.52
		e'				
		Fuel environmental admin charges	31.34	TON	4.48	140.40
		Spokane regional health district - special waste &	31.34	TON	.32	10.03
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				1,027.95
0/24/40	E22677	M-1-1-1 # 1 1				
0/31/16	5220//	Vehicle#: john	21.04	TON	20.00	COE 00
		Special waste solid other	21.64	TON	28.00	605.92
		Fuel environmental admin charges	21.64	TON	4.48	96.95
		Spokane regional health district - special waste &	21.64	TON	.32	6.92
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				

		518-842 TW Clark Construction, Inc.: 1117 N Evergree				
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Manifest#: 111223wa Ticket Total				709.79
10/31/16	522078	Vehicle#: tom				
		Special waste solid other	31.28	TON	28.00	875.84
		Fuel environmental admin charges	31.28	TON	4.48	140.13
		Spokane regional health district - special waste &	31.28	TON	.32	10.01
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 111223wa				
		Ticket Total				1,025.98
		Hone Fordi				.,
10/31/16	522079	Vehicle#: dave				
		Special waste solid other	24.61	TON	28.00	689.08
		Fuel environmental admin charges	24.61	TON	4.48	110.25
		Spokane regional health district - special waste &	24.61	TON	.32	7.88
		Profile # 111223wa Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				807.21
10/31/16	522082	Vehicle#: leland	24.60	TON	20.00	607.22
		Special waste solid other	21.69 21.69	TON TON	28.00 4.48	607.32 97.17
		Fuel environmental admin charges Spokane regional health district - special waste &	21.69	TON	.32	6.94
		Profile # 111223wa	21.00	1011	.02	0.0 1
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa				
		Ticket Total				711.43
10/21/16	522084	Vehicle#: joel				
10/31/10	322004	Special waste solid other	29,27	TON	28.00	819.56
		Fuel environmental admin charges	29.27	TON	4.48	131.13
		Spokane regional health district - special waste &	29.27	TON	.32	9.37
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 111223wa Ticket Total				960.06
		Ticket Total				
10/31/16	522085	Vehicle#: kelly				
		Special waste solid other	29.30	TON	28.00	820.40
		Fuel environmental admin charges	29.30	TON	4.48	131.26
		Spokane regional health district - special waste &	29.30	TON	.32	9.38
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				961.04
10/31/16	522093	Vehicle#: dale	20 55	TON	28.00	827,40
		Special waste solid other Fuel environmental admin charges	29.55 29.55	TON	28.00 4.48	132.38
		Spokane regional health district - special waste &	29.55	TON	.32	9.46
		Profile # 111223wa				





Customer:

Online WM ezPay ID:

TW Clark Construction, Inc 00003-87297-35007

Invoice Date:

11/01/2016 0064230-1518-6

Invoice Number: Account Number:

518-0000842-1518-1 Due Upon Receipt

Due Date:

Service L	ocation: 5	18-842 TW Clark Construction, Inc.: 1117 N Evergree	n Rd. #1: Sp	okane Wa 9	9216-1138	
Date	Ticket	Description	Quantity	U/M	Rate	Amount
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0	5			
		Ticket Total				969.24
10/31/16	522096	Vehicle#: dave	20.44	TON	20.00	022.40
		Special waste solid other	29.41 29.41	TON TON	28.00 4.48	823.48 131.76
		Fuel environmental admin charges Spokane regional health district - special waste &	29.41	TON	,32	9,41
		Profile # 111223wa	25.41	1011	.52	0.11
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				964.65
10/31/16	522098	Vehicle#: brandon				
		Special waste solid other	31.89	TON	28.00	892.92
		Fuel environmental admin charges	31.89 31.89	TON TON	4.48 .32	142.8 <b>7</b> 10.20
		Spokane regional health district - special waste & Profile # 111223wa	31.09	TON	.32	10.20
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				
		Ticket Total				1,045.99
10/31/16	522099	Vehicle#: dan				
		Special waste solid other	32.22	TON	28.00	902.16
		Fuel environmental admin charges	32.22 32.22	TON TON	4.48 .32	144.35 10.31
		Spokane regional health district - special waste & Profile # 111223wa	32,22	1014	.32	10.31
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0				4 070 00
		Ticket Total				1,056.82
10/31/16	522101	Vehicle#: bob	25.10	TON	20.00	704.40
		Special waste solid other Fuel environmental admin charges	25.16 25.16	TON TON	28.00 4.48	704.48 112.72
		Spokane regional health district - special waste &	25.16	TON	.32	8.05
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d				
		Manifest#: 0 Ticket Total				825.25
		Ticket Total				023.23
10/31/16	522102	Vehicle#: tom Special waste solid other	28.66	TON	28.00	802.48
		Fuel environmental admin charges	28.66	TON	4.48	128.40
		Spokane regional health district - special waste &	28.66	TON	.32	9.17
		Profile # 111223wa				
		Generator sisters of holy names 2911 ft george				
		wright d Manifest#: 0				
		Ticket Total				940.05

Service	Service Location: 518-842 TW Clark Construction, Inc.: 1117 N Evergreen Rd. #1: Spokane Wa 99216-1138						
Date	Ticket	Description	Quantity	U/M	Rate	Amount	
		Total Current Charges				269,070.02	

# Appendix B Site Photographs ES-4332.01



Photo 1 Subject Site prior to re mediation activities.

Photo 2 View of clay pigeon debris contaminating subject property.





Photo 3
Beginning stages of soil re mediation removal of existing pine trees.

Photo Dated December 2016



Photo 4 Excavating contaminated soil at former skeet shooting range.



Photo 5 Clearing surficial clay pigeon debris from property.

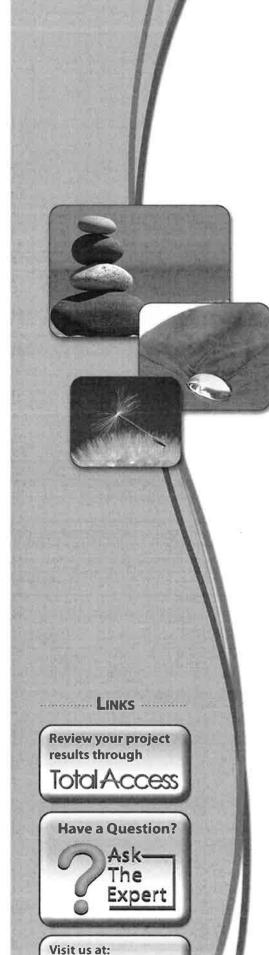


Photo 6 View of sewer pipeline trench excavation at the site.

# Appendix C

# Laboratory Analytical Reports and Chain-Of-Custody Forms

ES-4332.01



www.testamericainc.com

# **TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

# **ANALYTICAL REPORT**

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4793-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by:

Authorized for release by 10/26/2016 4:04:02 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names/ES-4332.01

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# **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Job ID: 590-4793-1

Laboratory: TestAmerica Spokane

#### **Narrative**

## Receipt

The samples were received on 10/21/2016 3:23 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

#### GC/MS Semi VOA

Method 8270D SIM: Due to the high concentration of analytes, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 590-9255 and analytical batch 590-9260 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

### **GC Semi VOA**

Method NWTPH-Dx: Surrogate recovery for the following samples was outside control limits: SP-1 (590-4793-1) and SP-3 (590-4793-3). Evidence of matrix interference due to high 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.

#### 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.

TestAmerica Spokane 10/26/2016

TestAmerica Job ID: 590-4793-1

Page 3 of 21

# **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4793-1	SP-1	Solid	10/21/16 09:10	10/21/16 15:23
590-4793-2	SP-2	Solid	10/21/16 09:32	10/21/16 15:23
590-4793-3	SP-3	Solid	10/21/16 10:00	10/21/16 15:23
590-4793-4	SP-4	Solid	10/21/16 11:00	10/21/16 15:23
590-4793-5	SP-5	Solid	10/21/16 13:00	10/21/16 15:23











# Definitions/Glossary

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

# Qualifiers

# GC/MS Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not
	applicable

### GC Semi VOA

ND

PQL QC RER RL RPD

X Surrogate is outside control limits	

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
<b>n</b>	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

Practical Quantitation Limit
Quality Control
Relative error ratio
Reporting Limit or Requested Limit (Radiochemistry)
Relative Percent Difference, a measure of the relative difference between two points

Not detected at the reporting limit (or MDL or EDL if shown)

TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Earth Solutions NW LLC

Client Sample ID: SP-1

Date Collected: 10/21/16 09:10

Date Received: 10/21/16 15:23

Project/Site: Sisters of the Holy Names/ES-4332,01

TestAmerica Job ID: 590-4793-1

Lab Sample ID: 590-4793-1 Matrix: Solid

Percent Solids: 86.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	470	F1 F2	230		ug/Kg	- D	10/24/16 14:23	10/25/16 13:04	2
2-Methylnaphthalene	ND	F2	230		ug/Kg	Þ	10/24/16 14:23	10/25/16 13:04	20
1-Methylnaphthalene	ND	F2	230		ug/Kg	菜	10/24/16 14:23	10/25/16 13:04	20
Acenaphthylene	ND		230		ug/Kg	×	10/24/16 14:23	10/25/16 13:04	20
Acenaphthene	630	F1 F2	230		ug/Kg	¢	10/24/16 14:23	10/25/16 13:04	20
Fluorene	240	F1 F2	230		ug/Kg	Þ	10/24/16 14:23	10/25/16 13:04	20
Phenanthrene	3400	F2	230		ug/Kg	¤	10/24/16 14:23	10/25/16 13:04	20
Anthracene	860	F1 F2	230		ug/Kg	贷	10/24/16 14:23	10/25/16 13:04	20
Fluoranthene	18000	F2	230		ug/Kg	¤	10/24/16 14:23	10/25/16 13:04	20
Pyrene	17000	F2	230		ug/Kg	Þ	10/24/16 14:23	10/25/16 13:04	20
Benzo[a]anthracene	16000	F2	230		ug/Kg	¤	10/24/16 14:23	10/25/16 13:04	20
Chrysene	19000	F2	230		ug/Kg	尊	10/24/16 14:23	10/25/16 13:04	20
Benzo[b]fluoranthene	30000	F2	230		ug/Kg	算	10/24/16 14:23	10/25/16 13:04	20
Benzo[k]fluoranthene	10000	F2	230		ug/Kg	₽	10/24/16 14:23	10/25/16 13:04	20
Benzo[a]pyrene	23000	F2	230		ug/Kg	¤	10/24/16 14:23	10/25/16 13:04	20
Indeno[1,2,3-cd]pyrene	14000	F2	230		ug/Kg	¤	10/24/16 14:23	10/25/16 13:04	20
Dibenz(a,h)anthracene	4300	F2	230		ug/Kg	☼	10/24/16 14:23	10/25/16 13:04	20
Benzo[g,h,i]perylene	16000	F2	230		ug/Kg	贷	10/24/16 14:23	10/25/16 13:04	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	57		23 - 120				10/24/16 14:23	10/25/16 13:04	20
2-Fluorobiphenyl (Surr)	72		38 - 123				10/24/16 14:23	10/25/16 13:04	20
p-Terphenyl-d14	91		68 - 136				10/24/16 14:23	10/25/16 13:04	20
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	380		110		mg/Kg	#	10/26/16 08:28	10/26/16 13:31	10
Residual Range Organics (RRO) (C25-C36)	1400		290		mg/Kg	¤	10/26/16 08:28	10/26/16 13:31	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	140		50 - 150				10/26/16 08:28	10/26/16 13:31	10
n-Triacontane-d62	187	X	50 _ 150				10/26/16 08:28	10/26/16 13:31	10
Method: 6010C - Metals (ICP)	- "	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualiner	RL.	IVEL 11					

Client Sample ID: SP-2

Date Collected: 10/21/16 09:32

Date Received: 10/21/16 15:23

Lab Sample	ID:	590-4793-2
------------	-----	------------

Matrix: Solid Percent Solids: 90.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Naphthalene	ND		10		ug/Kg	φ	10/24/16 14:23	10/25/16 13:29	1
2-Methylnaphthalene	ND		10		ug/Kg	Ϋ́	10/24/16 14:23	10/25/16 13:29	1
1-Methylnaphthalene	ND		10		ug/Kg	¤	10/24/16 14:23	10/25/16 13:29	31
Acenaphthylene	ND		10		ug/Kg	¤	10/24/16 14:23	10/25/16 13:29	1
Acenaphthene	15		10		ug/Kg	ä	10/24/16 14:23	10/25/16 13:29	1
Fluorene	ND		10		ug/Kg	å	10/24/16 14:23	10/25/16 13:29	1

TestAmerica Spokane

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10/26/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332,01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-2

Lab Sample ID: 590-4793-2

Date Collected: 10/21/16 09:32 Date Received: 10/21/16 15:23 Matrix: Solid Percent Solids: 90.5

	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Phenanthrene	89		10		ug/Kg	<b>☆</b>	10/24/16 14:23	10/25/16 13:29	
Anthracene	23		10		ug/Kg	*	10/24/16 14:23	10/25/16 13:29	
Fluoranthene	480		10		ug/Kg	ά	10/24/16 14:23	10/25/16 13:29	
Pyrene	440		10		ug/Kg	贷	10/24/16 14:23	10/25/16 13:29	
Benzo[a]anthracene	410		10		ug/Kg	¢	10/24/16 14:23	10/25/16 13:29	
Chrysene	510		10		ug/Kg	<b>₽</b>	10/24/16 14:23	10/25/16 13:29	
Benzo[b]fluoranthene	800		10		ug/Kg	₽	10/24/16 14:23	10/25/16 13:29	
Benzo[k]fluoranthene	300		10		ug/Kg	¤	10/24/16 14:23	10/25/16 13:29	
Benzo[a]pyrene	590		10		ug/Kg	ä	10/24/16 14:23	10/25/16 13:29	
Indeno[1,2,3-cd]pyrene	390		10		ug/Kg	₩	10/24/16 14:23	10/25/16 13:29	
Dibenz(a,h)anthracene	120		10		ug/Kg	Ħ	10/24/16 14:23	10/25/16 13:29	
Benzo[g,h,i]perylene	430		10		ug/Kg	¤	10/24/16 14:23	10/25/16 13:29	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	31		23 - 120				10/24/16 14:23	10/25/16 13:29	
2-Fluorobiphenyl (Surr)	54		38 - 123				10/24/16 14:23	10/25/16 13:29	
p-Terphenyl-d14	87		68 - 136				10/24/16 14:23	10/25/16 13:29	
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	80		21		mg/Kg	Ø	10/26/16 08:28	10/26/16 12:25	
Residual Range Organics (RRO)	300		53		mg/Kg	₿	10/26/16 08:28	10/26/16 12:25	
(C25-C36)							Prepared	Analyzed	Dil Fa
,	%Recovery	Qualifier	Limits						DII F
Surrogate	%Recovery	Qualifier	Limits 50 <sub>-</sub> 150				10/26/16 08:28	10/26/16 12:25	
Surrogate o-Terphenyl		Qualifier					10/26/16 08:28 10/26/16 08:28	10/26/16 12:25 10/26/16 12:25	DII F
Surrogate o-Terphenyl n-Triacontane-d62	105	Qualifier	50 - 150						DII F
Surrogate o-Terphenyl	105 128	Qualifier  Qualifier	50 - 150	MDL	Unit	D			

Client Sample ID: SP-3

Lab Sample ID: 590-4793-3

Date Collected: 10/21/16 10:00 Date Received: 10/21/16 15:23 Matrix: Solid Percent Solids: 88.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1200		220		ug/Kg	Ø	10/24/16 14:23	10/25/16 13:55	20
2-Methylnaphthalene	310		220		ug/Kg	₽	10/24/16 14:23	10/25/16 13:55	20
1-Methylnaphthalene	240		220		ug/Kg	故	10/24/16 14:23	10/25/16 13:55	20
Acenaphthylene	ND		220		ug/Kg	贷	10/24/16 14:23	10/25/16 13:55	20
Acenaphthene	2100		220		ug/Kg	Ä	10/24/16 14:23	10/25/16 13:55	20
Fluorene	740		220		ug/Kg	Ϋ́	10/24/16 14:23	10/25/16 13:55	20
Phenanthrene	9700		220		ug/Kg	ф	10/24/16 14:23	10/25/16 13:55	20
Anthracene	2500		220		ug/Kg	¤	10/24/16 14:23	10/25/16 13:55	20
Fluoranthene	47000		220		ug/Kg	₽	10/24/16 14:23	10/25/16 13:55	20
Pyrene	45000		220		ug/Kg	草	10/24/16 14:23	10/25/16 13:55	20
Benzo[a]anthracene	42000		220		ug/Kg	<b>₽</b>	10/24/16 14:23	10/25/16 13:55	20
Chrysene	49000		220		ug/Kg	¤	10/24/16 14:23	10/25/16 13:55	20

Client: Earth Solutions NW LLC

Client Sample ID: SP-3
Date Collected: 10/21/16 10:00

Date Received: 10/21/16 15:23

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4793-3

TestAmerica Job ID: 590-4793-1

Matrix: Solid

Analyzed

Percent Solids: 88.8

Dil Fac

Method: 8270D SIM - Semivolatil	e Organic Com	pounds (GC	MS SIM) (Con	tinued)
Analyte	Result	Qualifier	RL	MDL
Benzo[b]fluoranthene	81000		1100	
Benzolklfluoranthene	25000		220	

Benzo[b]fluoranthene	81000	1100	ug/Kg	₽	10/24/16 14:23	10/25/16 17:50	100
Benzo[k]fluoranthene	25000	220	ug/Kg	₩	10/24/16 14:23	10/25/16 13:55	20
Benzo[a]pyrene	57000	220	ug/Kg	¤	10/24/16 14:23	10/25/16 13:55	20
Indeno[1,2,3-cd]pyrene	37000	220	ug/Kg	贷	10/24/16 14:23	10/25/16 13:55	20
Dibenz(a,h)anthracene	11000	220	ug/Kg	Ø	10/24/16 14:23	10/25/16 13:55	20
Benzo[g,h,i]perylene	40000	220	ug/Kg	Þ	10/24/16 14:23	10/25/16 13:55	20

Unit

D

Prepared

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	52		23 - 120	10/24/16 14:23	10/25/16 13:55	20
Nitrobenzene-d5	64		23 - 120	10/24/16 14:23	10/25/16 17:50	100
2-Fluorobiphenyl (Surr)	65		38 - 123	10/24/16 14:23	10/25/16 13:55	20
2-Fluorobiphenyl (Surr)	80		38 - 123	10/24/16 14:23	10/25/16 17:50	100
p-Terphenyl-d14	89		68 - 136	10/24/16 14:23	10/25/16 13:55	20
p-Terphenyl-d14	123		68 - 136	10/24/16 14:23	10/25/16 17:50	100

Method: NWTPH-Dx - Northwest -	Semi-Volatile	Petroleum P	roducts (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	1300		220		mg/Kg	¢	10/26/16 08:28	10/26/16 12:43	20
(C10-C25)						yler.			
Residual Range Organics (RRO)	3800		540		mg/Kg	275	10/26/16 08:28	10/26/16 12:43	20

(C25-C36)						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	275	X	50 - 150	10/26/16 08:28	10/26/16 12:43	20
n-Triacontane-	d62 389	X	50 - 150	10/26/16 08:28	10/26/16 12:43	20

Method: 6010C - Metals (ICP)								
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		4.1	mg/Kg	Ø	10/24/16 10:26	10/25/16 12:22	5

 Client Sample ID: SP-4
 Lab Sample ID: 590-4793-4

 Date Collected: 10/21/16 11:00
 Matrix: Solid

 Date Received: 10/21/16 15:23
 Percent Solids: 86.7

Analyte	Result	Qualifler	RL	MOL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	33		11		ug/Kg	#	10/24/16 14:23	10/25/16 14:21	1
2-Methylnaphthalene	16		11		ug/Kg	₽	10/24/16 14:23	10/25/16 14:21	1
1-Methylnaphthalene	13		11		ug/Kg	₽	10/24/16 14:23	10/25/16 14:21	1
Acenaphthylene	ND		11		ug/Kg	草	10/24/16 14:23	10/25/16 14:21	1
Acenaphthene	70		11		ug/Kg	尊	10/24/16 14:23	10/25/16 14:21	1
Fluorene	36		11		ug/Kg	Ď.	10/24/16 14:23	10/25/16 14:21	1
Phenanthrene	820		11		ug/Kg	ά	10/24/16 14:23	10/25/16 14:21	1
Anthracene	200		11		ug/Kg	₽	10/24/16 14:23	10/25/16 14:21	1
Fluoranthene	3000		11		ug/Kg	ø	10/24/16 14:23	10/25/16 14:21	1
Pyrene	2700		11		ug/Kg	Þ	10/24/16 14:23	10/25/16 14:21	1
Benzo[a]anthracene	2600		11		ug/Kg	ø	10/24/16 14:23	10/25/16 14:21	1
Chrysene	2800		11		ug/Kg	Ф	10/24/16 14:23	10/25/16 14:21	1
Benzo[b]fluoranthene	4400		57		ug/Kg	₽	10/24/16 14:23	10/25/16 18:16	5
Benzo[k]fluoranthene	1600		11		ug/Kg	草	10/24/16 14:23	10/25/16 14:21	1
Benzo[a]pyrene	3000		11		ug/Kg	ф	10/24/16 14:23	10/25/16 14:21	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-4

Date Collected: 10/21/16 11:00 Date Received: 10/21/16 15:23 Lab Sample ID: 590-4793-4

Matrix: Solid Percent Solids: 86.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	1800		11		ug/Kg	Ø	10/24/16 14:23	10/25/16 14:21	1
Dibenz(a,h)anthracene	680		11		ug/Kg	a	10/24/16 14:23	10/25/16 14:21	1
Benzo[g,h,i]perylene	2000		11		ug/Kg	¢	10/24/16 14:23	10/25/16 14:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	46		23 - 120				10/24/16 14:23	10/25/16 14:21	1
Nitrobenzene-d5	46		23 - 120				10/24/16 14:23	10/25/16 18:16	5
2-Fluorobiphenyl (Surr)	67		38 _ 123				10/24/16 14:23	10/25/16 14:21	1
2-Fluorobiphenyl (Surr)	67		38 - 123				10/24/16 14:23	10/25/16 18:16	5
p-Terphenyl-d14	94		68 - 136				10/24/16 14:23	10/25/16 14:21	1
								10/05/10 10 10	£
	95 t - Semi-Volatile	e Petroleum	68 - 136 Products (GC)				10/24/16 14:23	10/25/16 18:16	•
Method: NWTPH-Dx - Northwest	t - Semi-Volatile	Petroleum Qualifier	Products (GC)	MDL		D	Prepared	Analyzed	
p-Terphenyl-d14  Method: NWTPH-Dx - Northwest Analyte  Diesel Range Organics (DRO)	t - Semi-Volatile		Products (GC)	MDL	<b>Unit</b> mg/Kg	D ¤			
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25)	t - Semi-Volatile Result		Products (GC)	MDL			Prepared	Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	t - Semi-Volatile Result 40		Products (GC) RL	MDL	mg/Kg	¤	Prepared 10/26/16 08:28	Analyzed 10/26/16 13:45	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	t - Semi-Volatile Result 40	Qualifier	Products (GC) RL	MDL	mg/Kg	¤	Prepared 10/26/16 08:28	Analyzed 10/26/16 13:45	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	t - Semi-Volatile Result 40	Qualifier	Products (GC) RL 11 27	MDL	mg/Kg	¤	Prepared 10/26/16 08:28 10/26/16 08:28	Analyzed 10/26/16 13:45 10/26/16 13:45	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl	t - Semi-Volatile Result 40 120 %Recovery	Qualifier	Products (GC) RL 11 27 Limits	MDL	mg/Kg	¤	Prepared 10/26/16 08:28 10/26/16 08:28 Prepared	Analyzed 10/26/16 13:45 10/26/16 13:45  Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest	t - Semi-Volatile Result 40 120 %Recovery	Qualifier	Products (GC) RL 11 27  Limits 50 - 150	MDL	mg/Kg	¤	Prepared 10/26/16 08:28 10/26/16 08:28  Prepared 10/26/16 08:28	Analyzed 10/26/16 13:45 10/26/16 13:45  Analyzed 10/26/16 13:45	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl n-Triacontane-d62	t - Semi-Volatile Result 40 120 %Recovery 105 108	Qualifier	Products (GC) RL 11 27  Limits 50 - 150		mg/Kg	¤	Prepared 10/26/16 08:28 10/26/16 08:28  Prepared 10/26/16 08:28	Analyzed 10/26/16 13:45 10/26/16 13:45  Analyzed 10/26/16 13:45	Dil Fac

Client Sample ID: SP-5
Date Collected: 10/21/16 13:0

Date Collected: 10/21/16 13:00 Date Received: 10/21/16 15:23 Lab Sample ID: 590-4793-5

Matrix: Solid Percent Solids: 89.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		11		ug/Kg	☆	10/24/16 14:23	10/25/16 14:46	1
2-Methylnaphthalene	ND		11		ug/Kg	₩.	10/24/16 14:23	10/25/16 14:46	1
1-Methylnaphthalene	ND		11		ug/Kg	苡	10/24/16 14:23	10/25/16 14:46	1
Acenaphthylene	ND		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:46	1
Acenaphthene	ND		11		ug/Kg	₽	10/24/16 14:23	10/25/16 14:46	1
Fluorene	ND		11		ug/Kg	#	10/24/16 14:23	10/25/16 14:46	1
Phenanthrene	73		11		ug/Kg	ø	10/24/16 14:23	10/25/16 14:46	1
Anthracene	16		11		ug/Kg	草	10/24/16 14:23	10/25/16 14:46	1
Fluoranthene	270		11		ug/Kg	¤	10/24/16 14:23	10/25/16 14:46	1
Pyrene	240		11		ug/Kg	ф	10/24/16 14:23	10/25/16 14:46	1
Benzo[a]anthracene	230		11		ug/Kg	Þ	10/24/16 14:23	10/25/16 14:46	1
Chrysene	270		11		ug/Kg	ф	10/24/16 14:23	10/25/16 14:46	1
Benzo[b]fluoranthene	390		11		ug/Kg	Þ	10/24/16 14:23	10/25/16 14:46	1
Benzo[k]fluoranthene	140		11		ug/Kg	¤	10/24/16 14:23	10/25/16 14:46	1
Benzo[a]pyrene	270		11		ug/Kg	₽	10/24/16 14:23	10/25/16 14:46	1
Indeno[1,2,3-cd]pyrene	170		11		ug/Kg	☆	10/24/16 14:23	10/25/16 14:46	1
Dibenz(a,h)anthracene	62		11		ug/Kg	¤	10/24/16 14:23	10/25/16 14:46	1
Benzo[g,h,i]perylene	190		11		ug/Kg	ψ	10/24/16 14:23	10/25/16 14:46	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-5

Date Received: 10/21/16 15:23

Date Collected: 10/21/16 13:00

Lab Sample ID: 590-4793-5

Matrix: Solid

Percent Solids: 89.2

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	36		23 - 120				10/24/16 14:23	10/25/16 14:46	1
2-Fluorobiphenyl (Surr)	53		38 - 123				10/24/16 14:23	10/25/16 14:46	1
p-Terphenyl-d14	89		68 _ 136				10/24/16 14:23	10/25/16 14:46	1
Method: NWTPH-Dx - Northwest -	Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	16		11		mg/Kg	#	10/26/16 08:28	10/26/16 14:03	1
Residual Range Organics (RRO) (C25-C36)	45		28		mg/Kg	₿	10/26/16 08:28	10/26/16 14:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	99	San	50 - 150				10/26/16 08:28	10/26/16 14:03	1
n-Triacontane-d62	102		50 - 150				10/26/16 08:28	10/26/16 14:03	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Lead	33		4.1		mg/Kg	以	10/24/16 10:26	10/25/16 12:28	5

# **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332,01

TestAmerica Job ID: 590-4793-1

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

Lab Sample ID: MB 590-9255/1-A Matrix: Solid

Analysis Batch: 9260

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9255

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
2-Methylnaphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
1-Methylnaphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Acenaphthylene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Acenaphthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Fluorene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Phenanthrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Fluoranthene	ND	3	10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[a]anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Chrysene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[b]fluoranthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[k]fluoranthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[a]pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44	23 - 120	10/24/16 14:23	10/25/16 10:06	1
2-Fluorobiphenyl (Surr)	70	38 _ 123	10/24/16 14:23	10/25/16 10:06	1
p-Terphenyl-d14	101	68 - 136	10/24/16 14:23	10/25/16 10:06	1

Lab Sample ID: LCS 590-9255/2-A

Matrix: Solid

Analysis Batch: 9260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9255

· ····································								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Naphthalene	267	161		ug/Kg		60	41 - 121	
2-Methylnaphthalene	267	204		ug/Kg		76	39 - 132	
1-Methylnaphthalene	267	190		ug/Kg		71	46 - 131	
Acenaphthylene	267	207		ug/Kg		78	56 - 123	
Acenaphthene	267	211		ug/Kg		79	43 - 140	
Fluorene	267	225		ug/Kg		84	54 - 131	
Phenanthrene	267	232		ug/Kg		87	55 _ 141	
Anthracene	267	242		ug/Kg		91	60 - 129	
Fluoranthene	267	227		ug/Kg		85	63 - 141	
Pyrene	267	210		ug/Kg		79	62 - 139	
Benzo[a]anthracene	267	234		ug/Kg		88	61 - 136	
Chrysene	267	227		ug/Kg		85	57 _ 144	
Benzo[b]fluoranthene	267	230		ug/Kg		86	66 _ 141	
Benzo[k]fluoranthene	267	225		ug/Kg		85	63 _ 150	
Benzo[a]pyrene	267	225		ug/Kg		84	60 _ 133	
Indeno[1,2,3-cd]pyrene	267	229		ug/Kg		86	55 - 142	
Dibenz(a,h)anthracene	267	229		ug/Kg		86	60 - 150	
Benzo[g,h,i]perylene	267	228		ug/Kg		86	58 _ 147	

# **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

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

Lab Sample ID: LCS 590-9255/2-A

Matrix: Solid

Analysis Batch: 9260

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

Prep Batch: 9255

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	39		23 - 120
2-Fluorobiphenyl (Surr)	65		38 - 123
p-Terphenvl-d14	97		68 - 136

Lab Sample ID: 590-4793-1 MS

Matrix: Solid

Analysis Batch: 9260

Client Sample ID: SP-1 Prep Type: Total/NA

Prep Batch: 9255

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	470	F1 F2	299	372	F1	ug/Kg	₽	-33	41 - 121
2-Methylnaphthalene	ND	F2	299	269		ug/Kg	₿	44	39 - 132
1-Methylnaphthalene	ND	F2	299	248		ug/Kg	Ü	53	46 - 131
Acenaphthylene	ND		299	ND		ug/Kg	Ä	71	56 - 123
Acenaphthene	630	F1 F2	299	630	F1	ug/Kg	₿	-2	43 - 140
Fluorene	240	F1 F2	299	391	F1	ug/Kg	₩	49	54 - 131
Phenanthrene	3400	F2	299	2620	4	ug/Kg	¤	-245	55 - 141
Anthracene	860	F1 F2	299	833	F1	ug/Kg	₩	-9	60 - 129
Fluoranthene	18000	F2	299	10700	4	ug/Kg	Þ	-2602	63 _ 141
Pyrene	17000	F2	299	10000	4	ug/Kg	₽	-2286	62 - 139
Benzo[a]anthracene	16000	F2	299	9380	4	ug/Kg	₩	-2093	61 - 136
Chrysene	19000	F2	299	11200	4	ug/Kg	#	-2557	57 - 144
Benzo[b]fluoranthene	30000	F2	299	16700	4	ug/Kg	草	-4280	66 - 141
Benzo[k]fluoranthene	10000	F2	299	6150	4	ug/Kg	₿	-1409	63 - 150
Benzo[a]pyrene	23000	F2	299	12400	4	ug/Kg	Þ	-3408	60 - 133
Indeno[1,2,3-cd]pyrene	14000	F2	299	8110	4	ug/Kg	ä	-2104	55 - 142
Dibenz(a,h)anthracene	4300	F2	299	2590	4	ug/Kg	☼	-565	60 - 150
Benzo[g,h,i]perylene	16000	F2	299	9200	4	ug/Kg	Ľ.	-2283	58 - 147

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
Nitrobenzene-d5	53		23 - 120			
2-Fluorobiphenyl (Surr)	69		38 - 123			
p-Terphenyl-d14	87		68 - 136			

Lab Sample ID: 590-4793-1 MSD

Matrix: Solid

Analysis Batch: 9260

Client Sample ID: SP-1 Prep Type: Total/NA

Prep Batch: 9255

,	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	470	F1 F2	299	1190	F1 F2	ug/Kg	菜	240	41 - 121	105	35
2-Methylnaphthalene	ND	F2	299	458	F2	ug/Kg	¤	108	39 - 132	52	35
1-Methylnaphthalene	ND	F2	299	355	F2	ug/Kg	Þ	89	46 - 131	36	35
Acenaphthylene	ND		299	243		ug/Kg	#	81	56 - 123	14	35
Acenaphthene	630	F1 F2	299	1550	F1 F2	ug/Kg	₽	306	43 - 140	84	35
Fluorene	240	F1 F2	299	842	F1 F2	ug/Kg	¢	201	54 - 131	73	35
Phenanthrene	3400	F2	299	6400	4 F2	ug/Kg	₽	1018	55 - 141	84	35
Anthracene	860	F1 F2	299	1940	F1 F2	ug/Kg	¤	361	60 - 129	80	35
Fluoranthene	18000	F2	299	25300	4 F2	ug/Kg	☆	2305	63 - 141	81	35
Pyrene	17000	F2	299	23800	4 F2	ug/Kg	₽	2329	62 _ 139	82	35

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

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

Lab Sample ID: 590-4793-1 MSD

Matrix: Solid

Analysis Batch: 9260

Client Sample ID: SP-1 Prep Type: Total/NA

Prep Batch: 9255

Analysis Batch: 9200									Pre	p batch	. 9200
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzo[a]anthracene	16000	F2	299	22500	4 F2	ug/Kg	草	2303	61 - 136	82	35
Chrysene	19000	F2	299	26400	4 F2	ug/Kg	₽	2546	57 <sub>-</sub> 144	81	35
Benzo[b]fluoranthene	30000	F2	299	40500	4 F2	ug/Kg	ф	3670	66 - 141	83	35
Benzo[k]fluoranthene	10000	F2	299	14400	4 F2	ug/Kg	₿	1348	63 - 150	80	35
Benzo[a]pyrene	23000	F2	299	30100	4 F2	ug/Kg	Ľ.	2513	60 - 133	83	35
Indeno[1,2,3-cd]pyrene	14000	F2	299	19400	4 F2	ug/Kg	☆	1677	55 - 142	82	35
Dibenz(a,h)anthracene	4300	F2	299	6100	4 F2	ug/Kg	Ø	608	60 - 150	81	35
Benzo[g,h,i]perylene	16000	F2	299	21200	4 F2	ug/Kg	₽	1733	58 _ 147	79	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	57		23 - 120
2-Fluorobiphenyl (Surr)	73		38 - 123
p-Terphenyl-d14	97		68 - 136

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

Lab Sample ID: MB 590-9280/1-A

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9280

randiyolo = atom one								op Bata	0=00
	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/26/16 08:28	10/26/16 10:17	1
Residual Range Organics (RRO)	ND		25		mg/Kg		10/26/16 08:28	10/26/16 10:17	1

(C25-C36)

1	MB N	МВ				
Surrogate	%Recovery (	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	10/26/16 08:28	10/26/16 10:17	1
n-Triacontane-d62	91		50 - 150	10/26/16 08:28	10/26/16 10:17	1

Lab Sample ID: LCS 590-9280/2-A

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9280

•	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Diesel Range Organics (DRO) (C10-C25)	67.1	67.4		mg/Kg		101	50 - 150
Residual Range Organics (RRO)	66,8	71.1		mg/Kg		106	50 - 150

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	98		50 - 150
n-Triacontane-d62	99		50 - 150

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: Method Blank

Method: 6010C - Metals (IC
----------------------------

Lab Sample ID: MB 590-9244/2-A

Matrix: Solid

Analysis Batch: 9268

Analyte Lead

MB MB

Result Qualifier ND

RL MDL Unit 1.3 mg/Kg

Prepared 10/24/16 10:26

Analyzed 10/25/16 11:31

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 9244

Prep Batch: 9244

Dil Fac

Lab Sample ID: LCS 590-9244/1-A

Matrix: Solid

Analyte

Lead

Analysis Batch: 9268

Spike Added

50.0

LCS LCS Result Qualifler 49.7

Unit mg/Kg

D %Rec 99

Limits 80 - 120

Client Sample ID: Lab Control Sample

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-1 Lab Sample ID: 590-4793-1

Date Collected: 10/21/16 09:10 Matrix: Solid

Date Received: 10/21/16 15:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9254	10/24/16 14:20	NMI	TAL SPK

Client Sample ID: SP-1 Lab Sample ID: 590-4793-1

Date Collected: 10/21/16 09:10 Matrix: Solid
Date Received: 10/21/16 15:23 Percent Solids: 86.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.32 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		20			9260	10/25/16 13:04	NMI	TAL SPK
Total/NA	Prep	3550C			15.11 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		10			9281	10/26/16 13:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.39 g	50 mL	9244	10/24/16 10:26	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9268	10/25/16 12:17	JSP	TAL SPK

Client Sample ID: SP-2 Lab Sample ID: 590-4793-2

Date Collected: 10/21/16 09:32 Matrix: Solid
Date Received: 10/21/16 15:23

Batch Batch DH Initial Final Batch Prepared Prep Type Method Amount Number Type Run Factor Amount or Analyzed Analyst Lab Total/NA 9254 10/24/16 14:20 NMI TAL SPK Analysis Moisture

Client Sample ID: SP-2 Lab Sample ID: 590-4793-2

Date Collected: 10/21/16 09:32 Matrix: Solid

Date Received: 10/21/16 15:23 Percent Solids: 90.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Ргер	3550C			15.90 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9260	10/25/16 13:29	NMI	TAL SPK
Total/NA	Prep	3550C			15.66 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		2			9282	10/26/16 12:25	NMI	TAL SPK
Total/NA	Prep	3050B			1.23 g	50 mL	9244	10/24/16 10:26	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9268	10/25/16 12:20	JSP	TAL SPK

Client Sample ID: SP-3 Lab Sample ID: 590-4793-3

Date Collected: 10/21/16 10:00 Matrix: Solid
Date Received: 10/21/16 15:23

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Total/NA 9254 10/24/16 14:20 NMI TAL SPK Analysis Moisture

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-3 Date Collected: 10/21/16 10:00 Lab Sample ID: 590-4793-3 Matrix: Solid

Date Received: 10/21/16 15:23

Percent Solids: 88.8

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.59 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		20			9260	10/25/16 13:55	NMI	TAL SPK
Total/NA	Prep	3550C			15.59 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		100			9260	10/25/16 17:50	NMI	TAL SPK
Total/NA	Prep	3550C			15,65 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		20			9282	10/26/16 12:43	NMI	TAL SPK
Total/NA	Prep	3050B			1,71 g	50 mL	9244	10/24/16 10:26	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9268	10/25/16 12:22	JSP	TAL SPK

Lab Sample ID: 590-4793-4

Matrix: Solid

Client Sample ID: SP-4 Date Collected: 10/21/16 11:00 Date Received: 10/21/16 15:23

Batch Batch DII Initial Final Batch Prepared Method Number or Analyzed Analyst Prep Type Type Run Factor Amount **Amount** Lab Total/NA 9254 10/24/16 14:20 TAL SPK Analysis Moisture

Client Sample ID: SP-4 Lab Sample ID: 590-4793-4

Date Collected: 10/21/16 11:00 Matrix: Solid Date Received: 10/21/16 15:23

Percent Solids: 86.7

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.13 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		ï			9260	10/25/16 14:21	NMI	TAL SPK
Total/NA	Prep	3550C			15.13 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		5			9260	10/25/16 18:16	NMI	TAL SPK
Total/NA	Prep	3550C			15:85 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 13:45	NMI	TAL SPK
Total/NA	Prep	3050B			1.72 g	50 mL	9244	10/24/16 10:26	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9268	10/25/16 12:25	JSP	TAL SPK

Client Sample ID: SP-5 Lab Sample ID: 590-4793-5 Date Collected: 10/21/16 13:00 Matrix: Solid

Date Received: 10/21/16 15:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture -		1			9254	10/24/16 14:20	NMI	TAL SPK

Lab Sample ID: 590-4793-5 Client Sample ID: SP-5

Date Collected: 10/21/16 13:00 Matrix: Solid Percent Solids: 89.2 Date Received: 10/21/16 15:23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.92 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Client Sample ID: SP-5 Lab Sample ID: 590-4793-5 Date Collected: 10/21/16 13:00 Matrix: Solid

Percent Solids: 89.2 Date Received: 10/21/16 15:23

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			9260	10/25/16 14:46	NMI	TAL SPK
Total/NA	Prep	3550C			15.08 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 14:03	NMI	TAL SPK
Total/NA	Prep	3050B			1.69 g	50 mL	9244	10/24/16 10:26	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9268	10/25/16 12:28	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

uthority	Program		EPA Region	Certification ID	Expiration Date	
Vashington	State Prog	State Program		C569	01-06-17	
The following application						
i ne rollowing analytes a	are included in this report, bu	it certification is not offe	red by the governing a	authority:		
Analysis Method	Prep Method	it certification is not offe Matrix	red by the governing a Analyt	•		
	• •		Analyt	•		

# **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4793-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# estAmericc

THE LEADER IN ENVIRONMENTAL TESTING

SAMPLED BY-TED SYKES

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

NUTPH-DX

TOTAL LEAD

REQUESTED ANALYSES

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OTHER Specify STANDARD

MATRIX (W, S, O)

CONT # OF

COMMENTS

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9:10 Am

10/21/16

9:32 4

50-4 SP-3

10/21/16 10/21/16

1:00 A

10:00 AT

10/21/16

PROJECT NUMBER: ES-4332,01

PROJECT NAME SISTERS OF The Holy Names

PHONE (425) 284-3300 FAX

PO NUMBER:

PRESERVATIVE

REPORT TO TES SYKES

CLIENT CAST SOLLIFON NUM

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590-4793 Chain of Custody

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ADDITIONAL REMARKS

CHAIN OF CUSTODY REPORT

INVOICE TO:

EART Solutions NW

11922 F. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Airchorage, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

Work Order #:

TURNAROUND REQUEST

Organic & Inorganic Analyses

<u>^</u>

FAX 924-9290 FAX 906-9210 FAX 563-9210

# 12

# **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4793-1

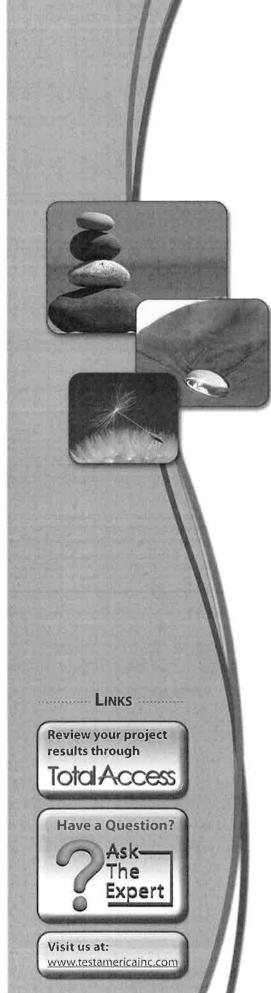
Login Number: 4793

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	





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# ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4798-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 10/26/2016 11:45:21 AM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

dance trington

This report has been electronically signed and authorized by the signatory, Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names/ES-4332.01

# **Table of Contents**

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Job ID: 590-4798-1

Laboratory: TestAmerica Spokane

**Narrative** 

#### Receipt

The samples were received on 10/24/2016 3:06 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4° C.

#### GC/MS Semi VOA

Method 8270D SIM: Due to the high concentration of analytes, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 590-9255 and analytical batch 590-9260 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

#### GC Semi VOA

No analytical or quality issues were noted, other than those described 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.

TestAmerica Spokane 10/26/2016

Page 3 of 17

# **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Lab Sample ID	Client Sample ID	Matrix	Collected Received
590-4798-1	C-1	Solid	10/24/16 13:50 10/24/16 15:06
590-4798-2	C-2	Solid	10/24/16 13:54 10/24/16 15:06
590-4798-3	C-3	Solid	10/24/16 14:00 10/24/16 15:06
590-4798-4	C-4	Solid	10/24/16 14:02 10/24/16 15:06

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# **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Toxicity Equivalent Quotient (Dioxin)

TestAmerica Job ID: 590-4798-1

# Glossary

TEQ

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)

Client: Earth Solutions NW LLC

Date Collected: 10/24/16 13:50

Date Received: 10/24/16 15:06

Client Sample ID: C-1

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Lab Sample ID: 590-4798-1

Matrix: Solid Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	D.	10/24/16 15:35	10/25/16 10:56	1
2-Methylnaphthalene	ND		10		ug/Kg	Þ	10/24/16 15:35	10/25/16 10:56	1
1-Methylnaphthalene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Acenaphthylene	ND		10		ug/Kg	₽	10/24/16 15:35	10/25/16 10:56	1
Acenaphthene	ND		10		ug/Kg	iOt	10/24/16 15:35	10/25/16 10:56	1
Fluorene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Phenanthrene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Anthracene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Fluoranthene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Pyrene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Benzo[a]anthracene	ND		10		ug/Kg	D.	10/24/16 15:35	10/25/16 10:56	1
Chrysene	ND		10		ug/Kg	Ţ.	10/24/16 15:35	10/25/16 10:56	1
Benzo[b]fluoranthene	ND		10		ug/Kg	<b>I</b> I	10/24/16 15:35	10/25/16 10:56	1
Benzo[k]fluoranthene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Benzo[a]pyrene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	æ	10/24/16 15:35	10/25/16 10:56	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 10:56	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	Œ	10/24/16 15:35	10/25/16 10:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44		23 - 120				10/24/16 15:35	10/25/16 10:56	1
2-Fluorobiphenyl (Surr)	70		38 - 123				10/24/16 15:35	10/25/16 10:56	1
p-Terphenyl-d14	101		68 - 136				10/24/16 15:35	10/25/16 10:56	1

p-Terphenyl-d14	101		68 - 136				10/24/16 15:35	10/25/16 10:56	1
Method: NWTPH-Dx - Northwe		olatile Pet Qualifier	roleum Prod RL	•	C) Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₩	10/25/16 08:02	10/25/16 10:35	
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	₽	10/25/16 08:02	10/25/16 10:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150				10/25/16 08:02	10/25/16 10:35	1
n-Triacontane-d62	94		50 - 150				10/25/16 08:02	10/25/16 10:35	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.3		5.6		mg/Kg	耳	10/25/16 11:08	10/26/16 09:37	5

 Client Sample ID: C-2
 Lab Sample ID: 590-4798-2

 Date Collected: 10/24/16 13:54
 Matrix: Solid

 Date Received: 10/24/16 15:06
 Percent Solids: 94.0

Analyte	Result Qualific	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	10	ug/k	g ¤	10/24/16 15:35	10/25/16 11:19	1
2-Methylnaphthalene	ND	10	ug/K	ig ¤	10/24/16 15:35	10/25/16 11:19	1
1-Methylnaphthalene	ND	10	ug/K	ig E	10/24/16 15:35	10/25/16 11:19	1
Acenaphthylene	ND	10	ug/k	ig 🖰	10/24/16 15:35	10/25/16 11:19	1
Acenaphthene	ND	10	ug/K	ig 🌣	10/24/16 15:35	10/25/16 11:19	1
Fluorene	ND	10	ug/K	ig 🌣	10/24/16 15:35	10/25/16 11:19	1

Client: Earth Solutions NW LLC

Date Received: 10/24/16 15:06

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Lab Sample ID: 590-4798-2

Matrix: Solid Percent Solids: 94.0

Client Sample ID: C-2 Date Collected: 10/24/16 13:54

Method: 8270D SIM - Sen Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10		ug/Kg	Ð	10/24/16 15:35	10/25/16 11:19	1
Anthracene	ND		10		ug/Kg	<del> </del> \$25	10/24/16 15:35	10/25/16 11:19	1
Fluoranthene	ND		10		ug/Kg	<u> </u>	10/24/16 15:35	10/25/16 11:19	1
Pyrene	ND		10		ug/Kg	łO:	10/24/16 15:35	10/25/16 11:19	1
Benzo[a]anthracene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:19	1
Chrysene	ND		10		ug/Kg	TI:	10/24/16 15:35	10/25/16 11:19	1
Benzo[b]fluoranthene	ND		10		ug/Kg	Œ	10/24/16 15:35	10/25/16 11:19	1
Benzo[k]fluoranthene	ND		10		ug/Kg	;Qt	10/24/16 15:35	10/25/16 11:19	1
Benzo[a]pyrene	ND		10		ug/Kg	Ø.	10/24/16 15:35	10/25/16 11:19	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	Q	10/24/16 15:35	10/25/16 11:19	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:19	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	ž.	10/24/16 15:35	10/25/16 11:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	41		23 - 120				10/24/16 15:35	10/25/16 11:19	1
2-Fluorobiphenyl (Surr)	62		38 - 123				10/24/16 15:35	10/25/16 11:19	1
p-Terphenyl-d14	96		68 - 136				10/24/16 15:35	10/25/16 11:19	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	Ø	10/25/16 08:02	10/25/16 10:48	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	Ø	10/25/16 08:02	10/25/16 10:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95	-	50 - 150				10/25/16 08:02	10/25/16 10:48	1
n-Triacontane-d62	99		50 <sub>-</sub> 150				10/25/16 08:02	10/25/16 10:48	1

Method: 6010C - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.1	6.0		mg/Kg	425	10/25/16 11:08	10/26/16 09:49	5

 Client Sample ID: C-3
 Lab Sample ID: 590-4798-3

 Date Collected: 10/24/16 14:00
 Matrix: Solid

 Date Received: 10/24/16 15:06
 Percent Solids: 98.9

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		9.8		mg/Kg	₽	10/25/16 08:02	10/25/16 11:01	1
ND		25		mg/Kg	Ø	10/25/16 08:02	10/25/16 11:01	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
100		50 - 150				10/25/16 08:02	10/25/16 11:01	1
100		50 - 150				10/25/16 08:02	10/25/16 11:01	1
Danult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
	ND ND %Recovery 100 100	%Recovery Qualifier  100  100	ND       9.8         ND       25         %Recovery       Qualifier       Limits         100       50 - 150         100       50 - 150	ND       9.8         ND       25         %Recovery       Qualifier       Limits         100       50 - 150         100       50 - 150	ND         9.8         mg/Kg           ND         25         mg/Kg           %Recovery         Qualifier         Limits           100         50 - 150           100         50 - 150	ND       9.8       mg/Kg       ≅         ND       25       mg/Kg       ≅         %Recovery       Qualifier       Limits         100       50 - 150         100       50 - 150	ND       9.8       mg/Kg       □ 10/25/16 08:02         ND       25       mg/Kg       □ 10/25/16 08:02         %Recovery       Qualifier       Limits       Prepared         100       50 - 150       10/25/16 08:02         100       50 - 150       10/25/16 08:02	ND       9.8       mg/Kg       □ 10/25/16 08:02       10/25/16 11:01         ND       25       mg/Kg       □ 10/25/16 08:02       10/25/16 11:01         %Recovery       Qualifier       Limits       Prepared       Analyzed         100       50 - 150       10/25/16 08:02       10/25/16 11:01         100       50 - 150       10/25/16 08:02       10/25/16 11:01

TestAmerica Job ID: 590-4798-1 Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-4 Date Collected: 10/24/16 14:02

Lab Sample ID: 590-4798-4

Matrix: Solid Percent Solids: 97.7 Date Received: 10/24/16 15:06

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		9.7		ug/Kg	₩	10/24/16 15:35	10/25/16 11:46	
2-Methylnaphthalene	ND		9.7		ug/Kg	Ti-	10/24/16 15:35	10/25/16 11:46	
1-Methylnaphthalene	ND		9.7		ug/Kg	Œ	10/24/16 15:35	10/25/16 11:46	
Acenaphthylene	ND		9.7		ug/Kg	T.	10/24/16 15:35	10/25/16 11:46	
Acenaphthene	ND		9.7		ug/Kg	Ð	10/24/16 15:35	10/25/16 11:46	
Fluorene	ND		9.7		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:46	
Phenanthrene	ND		9.7		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:46	
Anthracene	ND		9.7		ug/Kg	₩.	10/24/16 15:35	10/25/16 11:46	
Fluoranthene	ND		9.7		ug/Kg	₽.	10/24/16 15:35	10/25/16 11:46	
Pyrene	ND		9.7		ug/Kg	₩.	10/24/16 15:35	10/25/16 11:46	
Benzo[a]anthracene	ND		9.7		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:46	
Chrysene	ND		9.7		ug/Kg	Ø	10/24/16 15:35	10/25/16 11:46	
Benzo[b]fluoranthene	ND		9.7		ug/Kg	口	10/24/16 15:35	10/25/16 11:46	
Benzo[k]fluoranthene	ND		9.7		ug/Kg	Ð	10/24/16 15:35	10/25/16 11:46	
Benzo[a]pyrene	ND		9.7		ug/Kg	æ	10/24/16 15:35	10/25/16 11:46	
Indeno[1,2,3-cd]pyrene	ND		9.7		ug/Kg	Ω÷	10/24/16 15:35	10/25/16 11:46	
Dibenz(a,h)anthracene	ND		9.7		ug/Kg	Þ	10/24/16 15:35	10/25/16 11:46	
Benzo[g,h,i]perylene	ND		9.7		ug/Kg	Þ	10/24/16 15:35	10/25/16 11:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	43		23 - 120				10/24/16 15:35	10/25/16 11:46	
2-Fluorobiphenyl (Surr)	66		38 <sub>-</sub> 123				10/24/16 15:35	10/25/16 11:46	
p-Terphenyl-d14	97		68 - 136				10/24/16 15:35	10/25/16 11:46	
Method: NWTPH-Dx - Northwe	st - Semi-V	olatile Pet	roleum Prod	ucts (GC	)				
Analyte		Qualifier	RL	MDL	•	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	Φ	10/25/16 08:02	10/25/16 11:15	
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	#	10/25/16 08:02	10/25/16 11:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	95		50 - 150				10/25/16 08:02	10/25/16 11:15	
n-Triacontane-d62	98		50 - 150				10/25/16 08:02	10/25/16 11:15	
Method: 6010C - Metals (ICP)			RL	*****	11-14		Danasad	Analyzed	Dil F
Analyte	Requit	Qualifier	RI	MDL	Unit	D	Prepared	Anaivzen	DII C

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

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

Lab Sample ID: MB 590-9255/1-A Matrix: Solid

Client Sample ID: Method Blank Prep Type: Total/NA Analysis Batch: 9260 Prep Batch: 9255 MB MB

	MIN	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
2-Methylnaphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
1-Methylnaphthalene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Acenaphthylene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Acenaphthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Fluorene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Phenanthrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Fluoranthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[a]anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Chrysene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[b]fluoranthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[k]fluoranthene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[a]pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		10/24/16 14:23	10/25/16 10:06	1

MB MB

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44	23 - 120	10/24/16 14:23	10/25/16 10:06	1
2-Fluorobiphenyl (Surr)	70	38 - 123	10/24/16 14:23	10/25/16 10:06	1
p-Terphenvl-d14	101	68 - 136	10/24/16 14:23	10/25/16 10:06	1

Lab Sample ID: LCS 590-9255/2-A

Matrix: Solid

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

Analysis Batch: 9260	Spike	LCS	LCS				Prep Batch: 9255 %Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	267	161		ug/Kg	_	60	41 - 121
2-Methylnaphthalene	267	204		ug/Kg		76	39 - 132
1-Methylnaphthalene	267	190		ug/Kg		71	46 - 131
Acenaphthylene	267	207		ug/Kg		78	56 <sub>-</sub> 123
Acenaphthene	267	211		ug/Kg		79	43 - 140
Fluorene	267	225		ug/Kg		84	54 <sub>-</sub> 131
Phenanthrene	267	232		ug/Kg		87	55 <sub>-</sub> 141
Anthracene	267	242		ug/Kg		91	60 <sub>-</sub> 129
Fluoranthene	267	227		ug/Kg		85	63 - 141
Pyrene	267	210		ug/Kg		79	62 - 139
Benzo[a]anthracene	267	234		ug/Kg		88	61 - 136
Chrysene	267	227		ug/Kg		85	57 <sub>-</sub> 144
Benzo[b]fluoranthene	267	230		ug/Kg		86	66 - 141
Benzo[k]fluoranthene	267	225		ug/Kg		85	63 <sub>-</sub> 150
Benzo[a]pyrene	267	225		ug/Kg		84	60 - 133
Indeno[1,2,3-cd]pyrene	267	229		ug/Kg		86	55 - 142
Dibenz(a,h)anthracene	267	229		ug/Kg		86	60 - 150
Benzo[g,h,i]perylene	267	228		ug/Kg		86	58 - 147

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

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

Lab Sample ID: LCS 590-9255/2-A

Matrix: Solid

Analysis Batch: 9260

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9255

	LCS	LCS
Surrogate	%Recovery	Qual

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	39		23 - 120
2-Fluorobiphenyl (Surr)	65		38 - 123
p-Terphenyl-d14	97		68 <sub>-</sub> 136

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

Lab Sample ID: MB 590-9259/1-A

Matrix: Solid

Analysis Batch: 9262

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9259

	IVID	IAID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/25/16 08:02	10/25/16 09:42	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		10/25/16 08:02	10/25/16 09:42	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	10/25/16 08:02	10/25/16 09:42	1
n-Triacontane-d62	98		50 - 150	10/25/16 08:02	10/25/16 09:42	1

Lab Sample ID: LCS 590-9259/2-A

Matrix: Solid

Analysis Batch: 9262

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9259

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO)	67.1	62.6		mg/Kg		93	50 - 150	
(C10-C25)	66.8	61.8		mg/Kg		92	50 <sub>-</sub> 150	
Residual Range Organics (RRO) (C25-C36)	00.0	01.0		mg/rtg		32	30 - 130	

LCS LCS

Surrogate	%Recovery Q	ualifier	Limits
o-Terphenyl	95		50 - 150
n-Triacontane-d62	97		50 - 150

Lab Sample ID: LCSD 590-9259/3-A

Matrix: Solid

Analysis Batch: 9262

Client Sample I	D: Lab Contro	ol Sample Dup
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Prep Type: Total/NA

Prep Batch: 9259

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Diesel Range Organics (DRO)	67.1	61.3		mg/Kg		91	50 - 150	2	25
(C10-C25) Residual Range Organics (RRO)	66.8	62,8		mg/Kg		94	50 - 150	2	25

(C25-C36)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	95		50 - 150
n-Triacontane-d62	98		50 - 150

Client: Earth Solutions NW LLC

Lead

Lead

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Client Sample ID: Lab Control Sample

105

75 - 125

Method: 6010C - Metals (ICP) Client Sample ID: Method Blank Lab Sample ID: MB 590-9267/2-A

Prep Type: Total/NA Matrix: Solid

Prep Batch: 9267 Analysis Batch: 9287 мв мв

Analyzed Dil Fac RL MDL Unit Prepared Result Qualifier Analyte 10/25/16 11:08 10/26/16 09:32 1.3 mg/Kg Lead ND

Lab Sample ID: LCS 590-9267/1-A Prep Type: Total/NA Matrix: Solid Prep Batch: 9267 Analysis Batch: 9287 Spike LCS LCS Added Result Qualifier Unit D %Rec Limits Analyte 50.0 51.4 103 80 - 120 mg/Kg

Client Sample ID: C-1 Lab Sample ID: 590-4798-1 MS Prep Type: Total/NA Matrix: Solid

62.2

mg/Kg

Prep Batch: 9267 Analysis Batch: 9287 %Rec. Sample Sample Spike MS MS Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte

51.5

8.3

Client Sample ID: C-1 Lab Sample ID: 590-4798-1 MSD Prep Type: Total/NA Matrix: Solid Analysis Batch: 9287 Prep Batch: 9267 %Rec. MSD MSD **RPD** Sample Sample Spike Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit Analyte

47.2 55.2 75 - 125 12 20 8.3 mg/Kg Lead Client Sample ID: C-1

Lab Sample ID: 590-4798-1 DU Prep Type: Total/NA Matrix: Solid Prep Batch: 9267 Analysis Batch: 9287

DU DU RPD Sample Sample **RPD** Result Qualifier Result Qualifier Unit D Limit Analyte Lead 8.3 6.83 mg/Kg 19 20

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Lab Sample ID: 590-4798-1 Client Sample ID: C-1

Matrix: Solid Date Collected: 10/24/16 13:50

Date Received: 10/24/16 15:06

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9254	10/24/16 15:39	NMI	TAL SPK

Client Sample ID: C-1 Lab Sample ID: 590-4798-1

Matrix: Solid Date Collected: 10/24/16 13:50

Percent Solids: 96.2 Date Received: 10/24/16 15:06

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3550C 8270D SIM	Run	Dil Factor	Amount 15,36 g	Final Amount 2 mL	Batch Number 9255 9260	Prepared or Analyzed 10/24/16 15:35 10/25/16 10:56	<b>Lab</b> TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		1	15.37 g	5 mL	9259 9262	10/25/16 08:02 10/25/16 10:35	TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		5	1.15 g	50 mL	9267 9287	10/25/16 11:08 10/26/16 09:37	TAL SPK TAL SPK

Lab Sample ID: 590-4798-2 Client Sample ID: C-2 Matrix: Solid

Date Collected: 10/24/16 13:54 Date Received: 10/24/16 15:06

Final **Batch** Prepared Batch Batch Dil Initial Amount Amount Number or Analyzed Analyst Lab Prep Type Type Method Run Factor 9254 10/24/16 15:39 NMI TAL SPK Total/NA Analysis Moisture

Lab Sample ID: 590-4798-2 Client Sample ID: C-2

Matrix: Solid Date Collected: 10/24/16 13:54 Percent Solids: 94.0 Date Received: 10/24/16 15:06

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3550C 8270D SIM	Run	Dil Factor	Initial Amount 15.23 g	Final Amount 2 mL	Batch Number 9255 9260	Prepared or Analyzed 10/24/16 15:35 10/25/16 11:19	Analyst NMI NMI	Lab TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		1	15,69 g	5 mL	9259 9262	10/25/16 08:02 10/25/16 10:48		TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		5	1.10 g	50 mL	9267 9287	10/25/16 11:08 10/26/16 09:49		TAL SPK TAL SPK

Lab Sample ID: 590-4798-3 Client Sample ID: C-3 Matrix: Solid

Date Collected: 10/24/16 14:00 Date Received: 10/24/16 15:06

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9254	10/24/16 15:39	NMI	TAL SPK

Page 12 of 17

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Client Sample ID: C-3

Date Collected: 10/24/16 14:00 Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-3

Matrix: Solid

Percent Solids: 98.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.47 g	5 mL	9259	10/25/16 08:02	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9262	10/25/16 11:01	NMI	TAL SPK
Total/NA	Prep	3050B			1.40 g	50 mL	9267	10/25/16 11:08	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9287	10/26/16 09:51	JSP	TAL SPK

Client Sample ID: C-4

Date Collected: 10/24/16 14:02 Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-4

Matrix: Solid

		Batch	Batch		Dit	Initial	Final	Batch	Prepared		
-	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
i	Total/NA	Analysis	Moisture		1			9254	10/24/16 15:39	NMI	TAL SPK

Client Sample ID: C-4

Date Collected: 10/24/16 14:02

Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-4

Matrix: Solid Percent Solids: 97.7

	Detab	Batch		Dil	I ! 4 ! I	F:1	Datab	Dana and		
	Batch –		_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.88 g	2 mL	9255	10/24/16 15:35	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9260	10/25/16 11:46	NMI	TAL SPK
Total/NA	Prep	3550C			15.27 g	5 mL	9259	10/25/16 08:02	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9262	10/25/16 11:15	NMI	TAL SPK
Total/NA	Prep	3050B			1.10 g	50 mL	9267	10/25/16 11:08	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9287	10/26/16 10:06	JSP	TAL SPK

#### **Laboratory References:**

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

# Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	Program		Certification ID	Expiration Date	
/ashington State Prog		gram	10	C569	01-06-17	
,	s are included in this repo	·	, ,	•		
Analysis Method	Prep Method	Matrix	Analyt	te		
Moisture		Solid	Percei	nt Moisture		

# **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4798-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

Page 15 of 17

#### Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### **Laboratory References:**

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane



THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

FAX 924-9290 FAX 906-9210 FAX 563-9210

\_\_\_\_ 10/26/2016

ACCOMPONAL MEMARIES  ACCOMPONA	PRINT NAME TED SYKES FIRM: ESNW	9	00	6	C-4 100001111 1100	1 14CC	, C-2 10 m 1 1 2 1 .	C-1	CLIENT SAMPLE SAMPLING DATE/TIME		PROJECT NUMBER: ES - 4332, 01	PROJECT NAME SISTERS OF The HOLY NAMES	PHONE: (425) 284-3300 FAX:	ADDRESS SYKES	CLIENT CARTY SOLOTIONS NO	
NW 10/24/16	25		+		×	×	×	×	NWT cPA	PH- He	DX					
116					×	×	×		TOTA		an					C
TIME PRINT NAME		<b>Y</b>								REQUESTED ANALYSES		PRESERVATIVE	P.O. NUMBER:	EARTH SOURTH ON NW	INVOICE TO:	CHAIN OF CUSTODY REPORT
4798 Chain of Custody	Shilla Kar								2.8	• 74			3	1		W
TEMP.  TEMP.  PAGE OF  PAGE OF	FIRM THE DOLL TIME SOL					Page	÷ 16 (	of 17	MATRIX # OF LOCATION: TA (W, S. O) CONT. COMMENTS WO ID	Turnament Requests less than wandard may invar Rush Charges	J	5 4 3 2 1	STD. Petroleum Hydrocarbon Analyses		TURNAROUND REQUEST	Work Order #:

# **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4798-1

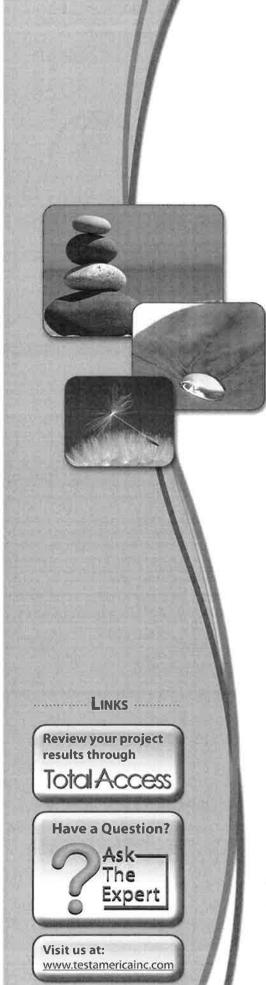
List Source: TestAmerica Spokane

Login Number: 4798

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	



# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

# **ANALYTICAL REPORT**

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4804-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 10/26/2016 3:58:45 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

tanau trington

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# **Table of Contents**

Cover Page	1
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Client Sample Results	6
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Chain of Custody	32
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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Job ID: 590-4804-1

Laboratory: TestAmerica Spokane

**Narrative** 

Receipt

The samples were received on 10/25/2016 3:55 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.4° C.

#### GC/MS Semi VOA

Method 8270D SIM: Due to the high concentration of Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene and Benzo[g,h,i]perylene, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 590-9276 and analytical batch 590-9277 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

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

#### GC Semi VOA

Method NWTPH-Dx: The following sample required a dilution due to the nature of the sample matrix: C-29 (590-4804-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method NWTPH-Dx: Detected hydrocarbons appear to be due to individual peaks and not a typical hydrocarbon pattern in the following sample: C-9 (590-4804-14).

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.

TestAmerica Spokane 10/26/2016

TestAmerica Job ID: 590-4804-1

Page 3 of 34

# **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Lab Sample ID	Client Sample ID	Matrix	Collected Receive
590-4804-1	C-26	Solid	10/25/16 00:00 10/25/16 1
590-4804-2	C-27	Solid	10/25/16 00:00 10/25/16 1
590-4804-3	C-28	Solid	10/25/16 00:00 10/25/16 1
590-4804-4	C-29	Solid	10/25/16 00:00 10/25/16 19
590-4804-5	C-30	Solid	10/25/16 00:00 10/25/16 1
590-4804-6	C-31	Solid	10/25/16 00:00 10/25/16 1
590-4804-7	C-32	Solid	10/25/16 00:00 10/25/16 1
590-4804-8	C-33	Solid	10/25/16 00:00 10/25/16 1
590-4804-9	C-34	Solid	10/25/16 00:00 10/25/16 1
590-4804-10	C-35	Solid	10/25/16 00:00 10/25/16 1
590-4804-11	C-6	Solid	10/25/16 00:00 10/25/16 1
590-4804-12	C-7	Solid	10/25/16 00:00 10/25/16 1
590-4804-13	C-8	Solid	10/25/16 00:00 10/25/16 1
590-4804-14	C-9	Solid	10/25/16 00:00 10/25/16 1
590-4804-15	C-5	Solid	10/25/16 00:00 10/25/16 1

# **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

#### Qualifiers

#### GC/MS Semi VOA

Qualifier **Qualifier Description** 

F1 MS and/or MSD Recovery is outside acceptance limits.

MS/MSD RPD exceeds control limits

#### GC Semi VOA

Qualifier **Qualifier Description** 

Surrogate is outside control limits

**Metals** 

Qualifier **Qualifier Description** 

F5 Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the

absolute difference is less than the RL.

#### 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

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin) TestAmerica Job ID: 590-4804-1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-26 Lab Sample ID: 590-4804-1

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 97.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 10:42	1
2-Methylnaphthalene	ND		10		ug/Kg	-101-	10/26/16 07:32	10/26/16 10:42	1
1-Methylnaphthalene	ND		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 10:42	1
Acenaphthylene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 10:42	1
Acenaphthene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 10:42	1
Fluorene	<b>N</b> D		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 10:42	1
Phenanthrene	21		10		ug/Kg	Ħ	10/26/16 07:32	10/26/16 10:42	1
Anthracene	ND		10		ug/Kg	TŽ.	10/26/16 07:32	10/26/16 10:42	1
Fluoranthene	70		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 10:42	1
Pyrene	62		10		ug/Kg	305	10/26/16 07:32	10/26/16 10:42	1
Benzo[a]anthracene	59		10		ug/Kg	₽.	10/26/16 07:32	10/26/16 10:42	1
Chrysene	75		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 10:42	1
Benzo[b]fluoranthene	110	F2 F1	10		ug/Kg	亞	10/26/16 07:32	10/26/16 10:42	1
Benzo[k]fluoranthene	36	F2	10		ug/Kg	±Zi-	10/26/16 07:32	10/26/16 10:42	1
Benzo[a]pyrene	69	F2 F1	10		ug/Kg	125	10/26/16 07:32	10/26/16 10:42	1
Indeno[1,2,3-cd]pyrene	41		10		ug/Kg	:O-	10/26/16 07:32	10/26/16 10:42	1
Dibenz(a,h)anthracene	17		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 10:42	1
Benzo[g,h,i]perylene	48	F2	10		ug/Kg	Ø	10/26/16 07:32	10/26/16 10:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		23 - 120				10/26/16 07:32	10/26/16 10:42	1
2-Fluorobiphenyl (Surr)	73		38 - 123				10/26/16 07:32	10/26/16 10:42	1
p-Terphenyl-d14	97		68 - 136				10/26/16 07:32	10/26/16 10:42	1
· Method: NWTPH-Dx - Northwe	est - Semi-V	olatile Pet	roleum Prod	ucts (G0	<b>C</b> )				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	Ð	10/26/16 08:28	10/26/16 10:33	1
Residual Range Organics (RRO) (C25-C36)	ND		25	8	mg/Kg	₽	10/26/16 08:28	10/26/16 10:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				10/26/16 08:28	10/26/16 10:33	1
n-Triacontane-d62	68		50 - 150				10/26/16 08:28	10/26/16 10:33	1
Method: 6010C - Metals (ICP)			81	***		_	Barana		D# F
Analyte	Requit	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: C-27

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-2

Matrix: Solid

Date Received: 10/25/16 00:00 Matrix: Solid

Date Received: 10/25/16 15:55 Percent Solids: 97.4

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	9.9		ug/Kg	æ	10/26/16 07:32	10/26/16 11:06	1
2-Methylnaphthalene	ND	9.9		ug/Kg	\$25	10/26/16 07:32	10/26/16 11:06	1
1-Methylnaphthalene	ND	9.9		ug/Kg	#	10/26/16 07:32	10/26/16 11:06	1
Acenaphthylene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 11:06	1
Acenaphthene	ND	9.9		ug/Kg	æ	10/26/16 07:32	10/26/16 11:06	1
Fluorene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 11:06	1

TestAmerica Spokane

TestAmerica Job ID: 590-4804-1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-27

Analyte

Lead

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 TestAmerica Job ID: 590-4804-1

Lab Sample ID: 590-4804-2

Matrix: Solid Percent Solids: 97.4

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fa
Phenanthrene	21		9.9	ug/Kg	D.	10/26/16 07:32	10/26/16 11:06	
Anthracene	ND		9.9	ug/Kg	Ħ	10/26/16 07:32	10/26/16 11:06	
Fluoranthene	64		9.9	ug/Kg	Ø.	10/26/16 07:32	10/26/16 11:06	
Pyrene	56		9.9	ug/Kg	ŦZF	10/26/16 07:32	10/26/16 11:06	
Benzo[a]anthracene	48		9.9	ug/Kg	Œ	10/26/16 07:32	10/26/16 11:06	
Chrysene	63		9.9	ug/Kg	77:	10/26/16 07:32	10/26/16 11:06	
Benzo[b]fluoranthene	81		9.9	ug/Kg	775	10/26/16 07:32	10/26/16 11:06	
Benzo[k]fluoranthene	27		9.9	ug/Kg	段	10/26/16 07:32	10/26/16 11:06	
Benzo[a]pyrene	54		9.9	ug/Kg	æ	10/26/16 07:32	10/26/16 11:06	
Indeno[1,2,3-cd]pyrene	33		9.9	ug/Kg	Ø	10/26/16 07:32	10/26/16 11:06	
Dibenz(a,h)anthracene	13		9.9	ug/Kg	101	10/26/16 07:32	10/26/16 11:06	
Benzo[g,h,i]perylene	38		9.9	ug/Kg	Ð	10/26/16 07:32	10/26/16 11:06	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
Nitrobenzene-d5	45		23 - 120			10/26/16 07:32	10/26/16 11:06	
2-Fluorobiphenyl (Surr)	69		38 - 123			10/26/16 07:32	10/26/16 11:06	
p-Terphenyl-d14	100		68 - 136			10/26/16 07:32	10/26/16 11:06	
Method: NWTPH-Dx - North	west - Semi-V	olatile Pet	roleum Prod	ucts (GC)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil F
Diesel Range Organics (DRO) (C10-C25)	ND		9.8	mg/Kg	₽	10/26/16 08:28	10/26/16 11:02	
Residual Range Organics (RRO) (C25-C36)	ND		24	mg/Kg	₩	10/26/16 08:28	10/26/16 11:02	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil I
o-Terphenyl	97		50 - 150			10/26/16 08:28	10/26/16 11:02	
n-Triacontane-d62	97		50 <sub>-</sub> 150			10/26/16 08:28	10/26/16 11:02	
Method: 6010C - Metals (ICF	<b>3</b> 1							
Metrica, ou roc - Metais (for		0	D.	ABD1 11-24	_	Desperad	Analumad	Dil

Client Sample ID: C-28

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-3

Matrix: Solid

Percent Solids: 94.3

RL

5.1

**MDL** Unit

mg/Kg

Result Qualifier

7.9

Analyte	Result Quali	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	10	ug/Kg	D.	10/26/16 07:32	10/26/16 11:31	1
2-Methylnaphthalene	ND	10	ug/Kg	10:	10/26/16 07:32	10/26/16 11:31	1
1-Methylnaphthalene	ND	10	ug/Kg	725	10/26/16 07:32	10/26/16 11:31	1
Acenaphthylene	ND	10	ug/Kg	Ø	10/26/16 07:32	10/26/16 11:31	1
Acenaphthene	ND	10	ug/Kg	\$3	10/26/16 07:32	10/26/16 11:31	1
Fluorene	ND	10	ug/Kg	Œ	10/26/16 07:32	10/26/16 11:31	1
Phenanthrene	ND	10	ug/Kg	172	10/26/16 07:32	10/26/16 11:31	1
Anthracene	ND	10	ug/Kg	₩	10/26/16 07:32	10/26/16 11:31	1
Fluoranthene	ND	10	ug/Kg	ŢŢ.	10/26/16 07:32	10/26/16 11:31	1
Pyrene	ND	10	ug/Kg	₩.	10/26/16 07:32	10/26/16 11:31	1
Benzo[a]anthracene	ND	10	ug/Kg	₩	10/26/16 07:32	10/26/16 11:31	1
Chrysene	ND	10	ug/Kg	₩.	10/26/16 07:32	10/26/16 11:31	1

TestAmerica Spokane

Prepared

# 10/25/16 16:44 10/26/16 12:58

Analyzed

Dil Fac

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Client Sample ID: C-28

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Lab Sample ID: 590-4804-3

Matrix: Solid Percent Solids: 94.3

Analyte	Result Quali	fier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND	10	ug/Kg	Ø	10/26/16 07:32	10/26/16 11:31	1
Benzo[k]fluoranthene	ND	10	ug/Kg	Ø	10/26/16 07:32	10/26/16 11:31	1
Benzo[a]pyrene	ND	10	ug/Kg	Ø	10/26/16 07:32	10/26/16 11:31	. 1
ndeno[1,2,3-cd]pyrene	ND	10	ug/Kg	₽	10/26/16 07:32	10/26/16 11:31	1
Dibenz(a,h)anthracene	ND	10	ug/Kg	₽	10/26/16 07:32	10/26/16 11:31	1
Benzo[g,h,i]perylene	ND	10	ug/Kg	₩	10/26/16 07:32	10/26/16 11:31	1

Surrogate	%Recovery Qualifier	Limits	Prepared Analyze	d Dil Fac
Nitrobenzene-d5	46	23 - 120	10/26/16 07:32 10/26/16 11	:31 1
2-Fluorobiphenyl (Surr)	71	38 - 123	10/26/16 07:32 10/26/16 11	:31 1
p-Terphenyl-d14	109	68 - 136	10/26/16 07:32 10/26/16 11	:31 1

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND	11		mg/Kg	Ø	10/26/16 08:28	10/26/16 10:49	1
Residual Range Organics (RRO) (C25-C36)	ND	26		mg/Kg	₩.	10/26/16 08:28	10/26/16 10:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	10/26/16 08:28	3 10/26/16 10:49	1
n-Triacontane-d62	65		50 - 150	10/26/16 08:28	3 10/26/16 10:49	1

Method: 6010C - Metals (ICP) Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0	4.1		mg/Kg	₽	10/25/16 16:44	10/26/16 13:00	5

 Client Sample ID: C-29
 Lab Sample ID: 590-4804-4

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 96.5

Analyte	Result (	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	290	200		ug/Kg	₩.	10/26/16 07:32	10/26/16 11:56	20
2-Methylnaphthalene	ND	200		ug/Kg	æ	10/26/16 07:32	10/26/16 11:56	20
1-Methylnaphthalene	ND	200		ug/Kg	Ð	10/26/16 07:32	10/26/16 11:56	20
Acenaphthylene	ND	200		ug/Kg	Ø	10/26/16 07:32	10/26/16 11:56	20
Acenaphthene	450	200		ug/Kg	Ø	10/26/16 07:32	10/26/16 11:56	20
Fluorene	240	200		ug/Kg	₽.	10/26/16 07:32	10/26/16 11:56	20
Phenanthrene	4300	200		ug/Kg	Ħ	10/26/16 07:32	10/26/16 11:56	20
Anthracene	1000	200		ug/Kg	¤	10/26/16 07:32	10/26/16 11:56	20
Fluoranthene	16000	200		ug/Kg	₽	10/26/16 07:32	10/26/16 11:56	20
Pyrene	14000	200		ug/Kg	₽	10/26/16 07:32	10/26/16 11:56	20
Benzo[a]anthracene	14000	200		ug/Kg	Œ	10/26/16 07:32	10/26/16 11:56	20
Chrysene	16000	200		ug/Kg	XI:	10/26/16 07:32	10/26/16 11:56	20
Benzo[b]fluoranthene	24000	200		ug/Kg	Σ	10/26/16 07:32	10/26/16 11:56	20
Benzo[k]fluoranthene	7700	200		ug/Kg	Ð	10/26/16 07:32	10/26/16 11:56	20
Benzo[a]pyrene	17000	200		ug/Kg	Ö	10/26/16 07:32	10/26/16 11:56	20
Indeno[1,2,3-cd]pyrene	11000	200		ug/Kg	Ω÷	10/26/16 07:32	10/26/16 11:56	20
Dibenz(a,h)anthracene	3600	200		ug/Kg	₽	10/26/16 07:32	10/26/16 11:56	20
Benzo[g,h,i]perylene	12000	200		ug/Kg	₽	10/26/16 07:32	10/26/16 11:56	20

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Client Sample ID: C-29

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Lab Sample ID: 590-4804-4

Matrix: Solid Percent Solids: 96.5

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50	23 - 120	10/26/16 07:32	10/26/16 11:56	20
2-Fluorobiphenyl (Surr)	72	38 - 123	10/26/16 07:32	10/26/16 11:56	20
p-Terphenyl-d14	97	68 - 136	10/26/16 07:32	10/26/16 11:56	20

Method: NWTPH-Dx - Northwes	t - Semi-Volatile Petr	oleum Prod	ucts (G	C)				
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1000	190		mg/Kg	æ	10/26/16 08:28	10/26/16 11:02	20
Residual Range Organics (RRO) (C25-C36)	3000	490		mg/Kg	₽	10/26/16 08:28	10/26/16 11:02	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	411	X	50 - 150	10/26/16 08:28	10/26/16 11:02	20
n-Triacontane-d62	311	X	50 - 150	10/26/16 08:28	10/26/16 11:02	20

Method: 6010C - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17	4.0		mg/Kg	T.	10/25/16 16:44	10/26/16 13:03	5

 Client Sample ID: C-30
 Lab Sample ID: 590-4804-5

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 96.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	Ω	10/26/16 07:32	10/26/16 12:20	1
2-Methylnaphthalene	ND		10		ug/Kg	-102-	10/26/16 07:32	10/26/16 12:20	1
1-Methylnaphthalene	ND		10		ug/Kg	\$\$	10/26/16 07:32	10/26/16 12:20	1
Acenaphthylene	ND		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 12:20	1
Acenaphthene	ND		10		ug/Kg	₽.	10/26/16 07:32	10/26/16 12:20	1
Fluorene	ND		10		ug/Kg	Ω	10/26/16 07:32	10/26/16 12:20	1
Phenanthrene	ND		10		ug/Kg	₽.	10/26/16 07:32	10/26/16 12:20	1
Anthracene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 12:20	1
Fluoranthene	15		10		ug/Kg	\ <u>\</u>	10/26/16 07:32	10/26/16 12:20	1
Pyrene	14		10		ug/Kg	T	10/26/16 07:32	10/26/16 12:20	1
Benzo[a]anthracene	18		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 12:20	1
Chrysene	21		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:20	1
Benzo[b]fluoranthene	36		10		ug/Kg	D.	10/26/16 07:32	10/26/16 12:20	1
Benzo[k]fluoranthene	13		10		ug/Kg	-127	10/26/16 07:32	10/26/16 12:20	1
Benzo[a]pyrene	24		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:20	1
Indeno[1,2,3-cd]pyrene	15		10		ug/Kg	₹CE	10/26/16 07:32	10/26/16 12:20	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	47	10/26/16 07:32	10/26/16 12:20	1
Benzo[g,h,i]perylene	18		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 12:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	41		23 - 120				10/26/16 07:32	10/26/16 12:20	1
2-Fluorobiphenyl (Surr)	64		38 - 123				10/26/16 07:32	10/26/16 12:20	1
p-Terphenyl-d14	93		68 - 136				10/26/16 07:32	10/26/16 12:20	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4804-5

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Percent Solids: 96.3

Client Sample ID: C-30

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	Œ	10/26/16 08:28	10/26/16 11:16	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	¤	10/26/16 08:28	10/26/16 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150				10/26/16 08:28	10/26/16 11:16	1
n-Triacontane-d62	86		50 - 150				10/26/16 08:28	10/26/16 11:16	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: C-31

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-6

Matrix: Solid

Percent Solids: 96.4

Method: 8270D SIM - Semive Analyte		c Compou Qualifier	Inds (GC/MS RL	SIM) MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	Ħ	10/26/16 07:32	10/26/16 12:44	1
2-Methylnaphthalene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
1-Methylnaphthalene	ND		10		ug/Kg	Ħ	10/26/16 07:32	10/26/16 12:44	1
Acenaphthylene	ND		10		ug/Kg	₩	10/26/16 07:32	10/26/16 12:44	1
Acenaphthene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Fluorene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Phenanthrene	76		10		ug/Kg	₽	10/26/16 07:32	10/26/16 12:44	1
Anthracene	18		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 12:44	1
Fluoranthene	270		10		ug/Kg	₽	10/26/16 07:32	10/26/16 12:44	1
Pyrene	250		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Benzo[a]anthracene	230		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Chrysene	270		10		ug/Kg	#	10/26/16 07:32	10/26/16 12:44	1
Benzo[b]fluoranthene	390		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Benzo[k]fluoranthene	140		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Benzo[a]pyrene	260		10		ug/Kg	₩	10/26/16 07:32	10/26/16 12:44	1
Indeno[1,2,3-cd]pyrene	150		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 12:44	1
Dibenz(a,h)anthracene	55		10		ug/Kg	æ	10/26/16 07:32	10/26/16 12:44	1
Benzo[g,h,i]perylene	180		10		ug/Kg	æ	10/26/16 07:32	10/26/16 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		23 - 120				10/26/16 07:32	10/26/16 12:44	1
2-Fluorobiphenyl (Surr)	74		38 - 123				10/26/16 07:32	10/26/16 12:44	1
p-Terphenyl-d14	100		68 - 136				10/26/16 07:32	10/26/16 12:44	1
Method: NWTPH-Dx - North	west - Semi-V	olatile Pet	troleum Prod	ucts (GC	;)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₩	10/26/16 08:28	10/26/16 11:16	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	₩	10/26/16 08:28	10/26/16 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				10/26/16 08:28	10/26/16 11:16	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Lab Sample ID: 590-4804-6

Matrix: Solid Percent Solids: 96.4

Client Sample ID: C-31 Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

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

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	99	50 - 150	10/26/16 08:28	10/26/16 11:16	1

Method: 6010C - Metals (ICP) Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.7	5.6		mg/Kg	Tr.	10/25/16 16:44	10/26/16 13:16	5

Lab Sample ID: 590-4804-7 Client Sample ID: C-32

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Matrix: Solid Percent Solids: 96.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 13:08	1
2-Methylnaphthalene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 13:08	1
1-Methylnaphthalene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 13:08	1
Acenaphthylene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 13:08	1
Acenaphthene	ND		10		ug/Kg	ø	10/26/16 07:32	10/26/16 13:08	1
Fluorene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 13:08	1
Phenanthrene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 13:08	1
Anthracene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 13:08	1
Fluoranthene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 13:08	1
Pyrene	ND		10		ug/Kg	O:	10/26/16 07:32	10/26/16 13:08	1
Benzo[a]anthracene	ND		10		ug/Kg	æ	10/26/16 07:32	10/26/16 13:08	1
Chrysene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 13:08	1
Benzo[b]fluoranthene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 13:08	1
Benzo[k]fluoranthene	ND		10		ug/Kg	₽.	10/26/16 07:32	10/26/16 13:08	1
Benzo[a]pyrene	ND		10		ug/Kg	亞	10/26/16 07:32	10/26/16 13:08	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	₽.	10/26/16 07:32	10/26/16 13:08	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	Ŭ.	10/26/16 07:32	10/26/16 13:08	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	Ħ	10/26/16 07:32	10/26/16 13:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		23 - 120				10/26/16 07:32	10/26/16 13:08	1
2-Fluorobiphenyl (Surr)	68		38 - 123				10/26/16 07:32	10/26/16 13:08	1
p-Terphenyl-d14	94		68 - 136				10/26/16 07:32	10/26/16 13:08	1
Method: NWTPH-Dx - Northwe	est - Semi-V	olatile Pet	roleum Prod	ucts (G0	<b>C</b> )				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₽	10/26/16 08:28	10/26/16 11:30	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	₩	10/26/16 08:28	10/26/16 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				10/26/16 08:28	10/26/16 11:30	1
n-Triacontane-d62	93		50 - 150				10/26/16 08:28	10/26/16 11:30	1
Method: 6010C - Metals (ICP)	- "	0	SI.	luni	11.74		Branarad	Analyzed	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzeu	DII Fac

TestAmerica Spokane

Client: Earth Solutions NW LLC TestAmerica Job ID: 590-4804-1

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-33

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-8

Matrix: Solid

Percent Solids: 97.8

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) Dil Fac Analyte Result Qualifier MDL Unit D Prepared Analyzed Naphthalene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 2-Methylnaphthalene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 1-Methylnaphthalene ND 10/26/16 13:32 Acenaphthylene 9.9 ug/Kg 10/26/16 07:32 Acenaphthene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 10/26/16 07:32 10/26/16 13:32 Fluorene ND 9.9 ug/Kg ND 10/26/16 07:32 10/26/16 13:32 Phenanthrene 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 Anthracene ND 9.9 ug/Kg Fluoranthene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 10/26/16 13:32 Pyrene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 07:32 10/26/16 13:32 Benzo[a]anthracene ND 9.9 ug/Kg Chrysene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 Benzo[b]fluoranthene ND 9,9 ug/Kg 10/26/16 07:32 10/26/16 13:32 1 Benzo[k]fluoranthene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 1 9,9 10/26/16 07:32 10/26/16 13:32 Benzo[a]pyrene ND ug/Kg Indeno[1,2,3-cd]pyrene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 1 Dibenz(a,h)anthracene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 1 Benzo[g,h,i]perylene ND 9.9 ug/Kg 10/26/16 07:32 10/26/16 13:32 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 50 23 - 120 10/26/16 07:32 10/26/16 13:32 Nitrobenzene-d5 2-Fluorobiphenyl (Surr) 70 38 - 123 10/26/16 07:32 10/26/16 13:32 104 68 \_ 136 10/26/16 07:32 10/26/16 13:32 n\_Ternhenyl\_d14

p-Terpnenyi-a14	104		08 - 130				10/20/10 07.32	10/20/10 13.32	,
Method: NWTPH-Dx - Northwe Analyte		olatile Pet Qualifier	roleum Prod	ucts (Go	•	D	Prepared	Analyzed	Dil Fac
	ND	quannor	10	11100	mg/Kg	_ ¤	10/26/16 08:28	10/26/16 11:48	1
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/rtg		10/20/10 00.20	10/20/10 11.40	'
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	₽	10/26/16 08:28	10/26/16 11:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				10/26/16 08:28	10/26/16 11:48	1
n-Triacontane-d62	94		50 - 150				10/26/16 08:28	10/26/16 11:48	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.7		5.0		mg/Kg	TJ.	10/25/16 16:44	10/26/16 13:22	5

 Client Sample ID: C-34
 Lab Sample ID: 590-4804-9

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 97.7

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) Result Qualifier MDL Unit Prepared Analyzed Dil Fac **Analyte** RL Naphthalene 10 n 10/26/16 07:32 10/26/16 13:57 ND ug/Kg ND 10 10/26/16 07:32 10/26/16 13:57 ug/Kg 2-Methylnaphthalene ND 10/26/16 07:32 10/26/16 13:57 1 1-Methylnaphthalene 10 ug/Kg ND 10 ug/Kg 10/26/16 07:32 10/26/16 13:57 1 Acenaphthylene Acenaphthene ND 10 ug/Kg 10/26/16 07:32 10/26/16 13:57 1 10/26/16 07:32 10/26/16 13:57 1 ND 10 Fluorene ug/Kg

TestAmerica Spokane

Client: Earth Solutions NW LLC TestAmerica Job ID: 590-4804-1

Project/Site: Sisters of the Holy Names/ES-4332.01

Lead

Client Sample ID: C-34

7.9

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 97.7

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10	ug/Kg	斑	10/26/16 07:32	10/26/16 13:57	1
Anthracene	ND		10	ug/Kg	Ħ	10/26/16 07:32	10/26/16 13:57	1
Fluoranthene	ND		10	ug/Kg	$\alpha$	10/26/16 07:32	10/26/16 13:57	1
Pyrene	ND		10	ug/Kg	Ø	10/26/16 07:32	10/26/16 13:57	1
Benzo[a]anthracene	ND		10	ug/Kg	Ø	10/26/16 07:32	10/26/16 13:57	1
Chrysene	ND		10	ug/Kg	Ţ	10/26/16 07:32	10/26/16 13:57	3
Benzo[b]fluoranthene	ND		10	ug/Kg	125	10/26/16 07:32	10/26/16 13:57	1
Benzo[k]fluoranthene	ND		10	ug/Kg	₽	10/26/16 07:32	10/26/16 13:57	1
Benzo[a]pyrene	ND		10	ug/Kg	ŦŢ.	10/26/16 07:32	10/26/16 13:57	3
Indeno[1,2,3-cd]pyrene	ND		10	ug/Kg	Ŭ.	10/26/16 07:32	10/26/16 13:57	1
Dibenz(a,h)anthracene	ND		10	ug/Kg	Þ	10/26/16 07:32	10/26/16 13:57	1
Benzo[g,h,i]perylene	ND		10	ug/Kg	¤	10/26/16 07:32	10/26/16 13:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	56		23 - 120			10/26/16 07:32	10/26/16 13:57	1
2-Fluorobiphenyl (Surr)	73		38 - 123			10/26/16 07:32	10/26/16 13:57	1
p-Terphenyl-d14	94		68 - 136			10/26/16 07:32	10/26/16 13:57	1
Method: NWTPH-Dx - North	west - Semi-V	olatile Pet	roleum Prod	ucts (GC)				
Analyte	Result	Qualifier	RL	MDL Únit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	mg/Kg	₩	10/26/16 08:28	10/26/16 12:06	1
Residual Range Organics (RRO) (C25-C36)	ND		25	mg/Kg	₽	10/26/16 08:28	10/26/16 12:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
o-Terphenyl	98		50 <sub>-</sub> 150			10/26/16 08:28	10/26/16 12:06	1
n-Triacontane-d62	97		50 - 150			10/26/16 08:28	10/26/16 12:06	:
Method: 6010C - Metals (ICF	<b>'</b> )							
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: C-35

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-10

Matrix: Solid

Percent Solids: 96.9

5.1

mg/Kg

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	10	ug/Kg	₩.	10/26/16 07:32	10/26/10 14:22	1
2-Methylnaphthalene	ND	10	ug/Kg	Œ	10/26/16 07:32	10/26/16 14:22	1
1-Methylnaphthalene	ND	10	ug/Kg	亞	10/26/16 07:32	10/26/16 14:22	1
Acenaphthylene	ND	10	ug/Kg	Ø.	10/26/16 07:32	10/26/16 14:22	1
Acenaphthene	ND	10	ug/Kg	Ø.	10/26/16 07:32	10/26/16 14:22	1
Fluorene	ND	10	ug/Kg	₽.	10/26/16 07:32	10/26/16 14:22	1
Phenanthrene	ND	10	ug/Kg	₩	10/26/16 07:32	10/26/16 14:22	1
Anthracene	ND	10	ug/Kg	₩.	10/26/16 07:32	10/26/16 14:22	1
Fluoranthene	ND	10	ug/Kg	tŒ-	10/26/16 07:32	10/26/16 14:22	1
Pyrene	ND	10	ug/Kg	XX:	10/26/16 07:32	10/26/16 14:22	1
Benzo[a]anthracene	ND	10	ug/Kg	₹CE	10/26/16 07:32	10/26/16 14:22	1
Chrysene	ND	10	ug/Kg	-(0)-	10/26/16 07:32	10/26/16 14:22	3

TestAmerica Spokane

© 10/25/16 16:44 10/26/16 13:24

Lab Sample ID: 590-4804-9

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-35

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-10

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Percent Solids: 96.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	16		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 14:22	1
Benzo[k]fluoranthene	ND		10		ug/Kg	Œ	10/26/16 07:32	10/26/16 14:22	1
Benzo[a]pyrene	10		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 14:22	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 14:22	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	Æ	10/26/16 07:32	10/26/16 14:22	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	57		23 - 120				10/26/16 07:32	10/26/16 14:22	1
2-Fluorobiphenyl (Surr)	77		38-123				10/26/16 07:32	10/26/16 14:22	1
p-Terphenyl-d14	97		68 - 136				10/26/16 07:32	10/26/16 14:22	1
p-Terphenyl-d14 · Method: NWTPH-Dx - Northw		olatile Pet		ucts (G0	C)		10/26/16 07:32	10/26/16 14:22	1
, ,	/est - Semi-V	olatile Pet Qualifier		ucts (G( <sub>MDL</sub>	,	D	10/26/16 07:32  Prepared	10/26/16 14:22 Analyzed	7 Dil Fac
Method: NWTPH-Dx - Northw	/est - Semi-V		roleum Prod	•	,	D &			Dil Fac
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO)	/est - Semi-V Result		roleum Prod	•	Únit		<b>Prepared</b> 10/26/16 08:28	Analyzed	Dil Fac
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	vest - Semi-V Result ND	Qualifier	roleum Prod RL 10	•	Unit mg/Kg	₽	<b>Prepared</b> 10/26/16 08:28	Analyzed 10/26/16 11:30	1
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	vest - Semi-V Result ND	Qualifier	roleum Prodi RL 10	•	Unit mg/Kg	₽	Prepared 10/26/16 08:28 10/26/16 08:28	Analyzed 10/26/16 11:30 10/26/16 11:30	1
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	vest - Semi-V Result ND ND	Qualifier	roleum Prodi RL 10 25	•	Unit mg/Kg	₽	Prepared 10/26/16 08:28 10/26/16 08:28  Prepared 10/26/16 08:28	Analyzed 10/26/16 11:30 10/26/16 11:30  Analyzed	1
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	vest - Semi-V Result ND ND %Recovery 95 87	Qualifier	roleum Proding RL 10 25 Limits 50 - 150	•	Unit mg/Kg	₽	Prepared 10/26/16 08:28 10/26/16 08:28  Prepared 10/26/16 08:28	Analyzed 10/26/16 11:30 10/26/16 11:30  Analyzed 10/26/16 11:30	1
Method: NWTPH-Dx - Northw Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl n-Triacontane-d62	vest - Semi-V Result ND ND **Recovery 95 87	Qualifier	roleum Proding RL 10 25 Limits 50 - 150	•	Unit mg/Kg mg/Kg	₽	Prepared 10/26/16 08:28 10/26/16 08:28  Prepared 10/26/16 08:28	Analyzed 10/26/16 11:30 10/26/16 11:30  Analyzed 10/26/16 11:30	1

Client Sample ID: C-6

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-11

Matrix: Solid Percent Solids: 98.0

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 14:48	1
2-Methylnaphthalene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 14:48	1
1-Methylnaphthalene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 14:48	1
Acenaphthylene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 14:48	. 1
Acenaphthene	ND	9.9		ug/Kg	¤	10/26/16 07:32	10/26/16 14:48	1
Fluorene	ND	9.9		ug/Kg	ä	10/26/16 07:32	10/26/16 14:48	1
Phenanthrene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 14:48	1
Anthracene	ND	9.9		ug/Kg	th.	10/26/16 07:32	10/26/16 14:48	1
Fluoranthene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 14:48	1
Pyrene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 14:48	1
Benzo[a]anthracene	ND	9.9		ug/Kg	₩.	10/26/16 07:32	10/26/16 14:48	1
Chrysene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 14:48	1
Benzo[b]fluoranthene	ND	9.9		ug/Kg	Ħ	10/26/16 07:32	10/26/16 14:48	1
Benzo[k]fluoranthene	ND	9.9		ug/Kg	₩	10/26/16 07:32	10/26/16 14:48	1
Benzo[a]pyrene	ND	9.9		ug/Kg	Ħ	10/26/16 07:32	10/26/16 14:48	1
Indeno[1,2,3-cd]pyrene	ND	9.9		ug/Kg	Ħ	10/26/16 07:32	10/26/16 14:48	1
Dibenz(a,h)anthracene	ND	9.9		ug/Kg	Ø	10/26/16 07:32	10/26/16 14:48	1
Benzo[g,h,i]perylene	ND	9.9		ug/Kg	æ	10/26/16 07:32	10/26/16 14:48	1

TestAmerica Spokane

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Limits

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-6

Surrogate

Lead

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

TestAmerica Job ID: 590-4804-1

Lab Sample ID: 590-4804-11

Matrix: Solid

Percent Solids: 98.0

Prepared Analyzed Dil Fac

	, ,								
Nitrobenzene-d5	61		23 - 120				10/26/16 07:32	10/26/16 14:48	1
2-Fluorobiphenyl (Surr)	84		38 - 123				10/26/16 07:32	10/26/16 14:48	1
p-Terphenyl-d14	105		68 - 136				10/26/16 07:32	10/26/16 14:48	1
Method: NWTPH-Dx - Northwe	est - Semi-V	olatile Pet	roleum Prod	ucts (G0	C)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		9.9		mg/Kg	₩	10/26/16 08:28	10/26/16 11:48	1
Residual Range Organics (RRO)	ND		25		mg/Kg	₽	10/26/16 08:28	10/26/16 11:48	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				10/26/16 08:28	10/26/16 11:48	1
n-Triacontane-d62	82		50 - 150				10/26/16 08:28	10/26/16 11:48	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

4.8

mg/Kg

Client Sample ID: C-7 Lab Sample ID: 590-4804-12

%Recovery Qualifier

7.6

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Matrix: Solid
Percent Solids: 96.4

10/25/16 16:44 10/26/16 13:29

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	₽	10/26/16 07:32	10/26/16 15:14	1
2-Methylnaphthalene	ND		10		ug/Kg	-127-	10/26/16 07:32	10/26/16 15:14	1
1-Methylnaphthalene	ND		10		ug/Kg	₩.	10/26/16 07:32	10/26/16 15:14	1
Acenaphthylene	ND		10		ug/Kg	D.	10/26/16 07:32	10/26/16 15:14	1
Acenaphthene	ND		10		ug/Kg	-CI-	10/26/16 07:32	10/26/16 15:14	1
Fluorene	ND		10		ug/Kg	127-	10/26/16 07:32	10/26/16 15:14	1
Phenanthrene	ND		10		ug/Kg	Ŭ	10/26/16 07:32	10/26/16 15:14	1
Anthracene	ND		10		ug/Kg	Ø.	10/26/16 07:32	10/26/16 15:14	1
Fluoranthene	ND		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 15:14	1
Pyrene	ND		10		ug/Kg	₩	10/26/16 07:32	10/26/16 15:14	1
Benzo[a]anthracene	ND		10		ug/Kg	Ω·	10/26/16 07:32	10/26/16 15:14	1
Chrysene	ND		10		ug/Kg	Ω.	10/26/16 07:32	10/26/16 15:14	1
Benzo[b]fluoranthene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 15:14	1
Benzo[k]fluoranthene	ND		10		ug/Kg	₹ZF	10/26/16 07:32	10/26/16 15:14	1
Benzo[a]pyrene	ND		10		ug/Kg	;D;	10/26/16 07:32	10/26/16 15:14	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	Ø:	10/26/16 07:32	10/26/16 15:14	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	Ø	10/26/16 07:32	10/26/16 15:14	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	Ð	10/26/16 07:32	10/26/16 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		23 - 120				10/26/16 07:32	10/26/16 15:14	1
2-Fluorobiphenyl (Surr)	73		38 - 123				10/26/16 07:32	10/26/16 15:14	1
p-Terphenyl-d14	106		68 - 136				10/26/16 07:32	10/26/16 15:14	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-7

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-12

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Percent Solids: 96.4

Method: NWTPH-Dx - Northwe Analyte		Qualifier	RL	MDL	,	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	<u>n</u>	10/26/16 08:28	10/26/16 12:06	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	₽	10/26/16 08:28	10/26/16 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				10/26/16 08:28	10/26/16 12:06	1
n-Triacontane-d62	83		50 - 150				10/26/16 08:28	10/26/16 12:06	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: C-8 Lab Sample ID: 590-4804-13

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Matrix: Solid Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	ŭ	10/26/16 08:28	10/26/16 12:25	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	₩	10/26/16 08:28	10/26/16 12:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				10/26/16 08:28	10/26/16 12:25	1
n-Triacontane-d62	81		50 - 150				10/26/16 08:28	10/26/16 12:25	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		4.1		mg/Kg	77	10/25/16 16:44	10/26/16 13:34	5

Client Sample ID: C-9 Lab Sample ID: 590-4804-14 Date Collected: 10/25/16 00:00 Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 94.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	33		10		mg/Kg	₩.	10/26/16 08:28	10/26/16 12:43	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	Ø	10/26/16 08:28	10/26/16 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				10/26/16 08:28	10/26/16 12:43	1
n-Triacontane-d62	84		50 - 150				10/26/16 08:28	10/26/16 12:43	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		5.5		mg/Kg	D.	10/25/16 16:44	10/26/16 13:37	5

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Client Sample ID: C-5
Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-15

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		9.9		mg/Kg	¤	10/26/16 08:28	10/26/16 13:16	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	æ	10/26/16 08:28	10/26/16 13:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				10/26/16 08:28	10/26/16 13:16	1
n-Triacontane-d62	82		50 - 150				10/26/16 08:28	10/26/16 13:16	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4		5.0		mg/Kg	₩.	10/25/16 16:44	10/26/16 13:48	5

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

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

Lab Sample ID: MB 590-9276/1-A

Matrix: Solid

Analysis Batch: 9277

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

Prep Batch: 9276

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
2-Methylnaphthalene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
1-Methylnaphthalene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Acenaphthylene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Acenaphthene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Fluorene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Phenanthrene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Anthracene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Fluoranthene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Pyrene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[a]anthracene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Chrysene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[b]fluoranthene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[k]fluoranthene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[a]pyrene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		10/26/16 07:32	10/26/16 09:04	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	40	23 - 120	10/26/16 07:32	10/26/16 09:04	1
2-Fluorobiphenyl (Surr)	67	38 - 123	10/26/16 07:32	10/26/16 09:04	1
p-Terphenyl-d14	109	68 - 136	10/26/16 07:32	10/26/16 09:04	1

Lab Sample ID: LCS 590-9276/2-A

Matrix: Solid

Analysis Batch: 9277

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

Prep Batch: 9276

Spike LCS LCS %Rec. Added D %Rec Analyte Result Qualifier Unit Limits Naphthalene 267 184 ug/Kg 69 41 - 121 2-Methylnaphthalene 267 213 ug/Kg 80 39 - 1321-Methylnaphthalene 267 196 ug/Kg 74 46 - 131 Acenaphthylene 267 203 ug/Kg 76 56 - 123 Acenaphthene 267 206 ug/Kg 77 43 - 140 Fluorene 267 224 ug/Kg 84 54 - 131 Phenanthrene 267 228 ug/Kg 86 55 - 141 Anthracene 267 237 89 60 - 129ug/Kg Fluoranthene 267 231 ug/Kg 86 63 - 141 Pyrene 267 207 ug/Kg 78 62 - 139 Benzo[a]anthracene 267 231 86 61 - 136 ug/Kg Chrysene 267 57 - 144 224 ug/Kg 84 Benzo[b]fluoranthene 267 236 ug/Kg 88 66 - 141 Benzo[k]fluoranthene 267 216 ug/Kg 81 63 - 150 Benzo[a]pyrene 267 222 83 60 - 133 ug/Kg Indeno[1,2,3-cd]pyrene 267 227 ug/Kg 85 55 - 142 Dibenz(a,h)anthracene 267 225 ug/Kg 84 60 - 150 Benzo[g,h,i]perylene 267 224 ug/Kg 84 58 - 147

TestAmerica Spokane

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Client: Earth Solutions NW LLC TestAmerica Job ID: 590-4804-1

Project/Site: Sisters of the Holy Names/ES-4332.01

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

Lab Sample ID: LCS 590-9276/2-A

Matrix: Solid

Analysis Batch: 9277

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

Prep Batch: 9276

	LCS	LCS
urrogate	%Recovery	Qualifier
the bearing of	50	

Si Limits Nitrobenzene-d5 23-120 58 2-Fluorobiphenyl (Surr) 38-123 82 p-Terphenyl-d14 68-136 100

> Client Sample ID: C-26 Prep Type: Total/NA

Prep Batch: 9276

Lab Sample ID: 590-4804-1 MS Matrix: Solid

Analysis Batch: 9277

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	ND		266	179		ug/Kg	Ü	67	41 - 121
2-Methylnaphthalene	ND		266	211		ug/Kg	Ä	79	39 - 132
1-Methylnaphthalene	ND		266	197		ug/Kg	<b>X</b> F	74	46 - 131
Acenaphthylene	ND		266	205		ug/Kg	₩.	77	56 - 123
Acenaphthene	ND		266	216		ug/Kg	Ti-	81	43 - 140
Fluorene	ND		266	224		ug/Kg	母	84	54 <sub>-</sub> 131
Phenanthrene	21		266	267		ug/Kg	Ø	93	55 - 141
Anthracene	ND		266	245		ug/Kg	-122-	90	60 - 129
Fluoranthene	70		266	366		ug/Kg	725	112	63 - 141
Pyrene	62		266	354		ug/Kg	Ð	110	62 - 139
Benzo[a]anthracene	59		266	419		ug/Kg	ŢŢ.	136	61 - 136
Chrysene	75		266	448		ug/Kg	<del> </del>	140	57 - 144
Benzo[b]fluoranthene	110	F2 F1	266	570	F1	ug/Kg	Œ	175	66 - 141
Benzo[k]fluoranthene	36	F2	266	396		ug/Kg	<del> </del>	136	63 - 150
Benzo[a]pyrene	69	F2 F1	266	499	F1	ug/Kg	Œ	162	60 - 133
Indeno[1,2,3-cd]pyrene	41		266	401		ug/Kg	<del>1</del> 25	136	55 - 142
Dibenz(a,h)anthracene	17		266	296		ug/Kg	<del>1</del> 25	105	60 - 150
Benzo[g,h,i]perylene	48	F2	266	419		ug/Kg	₩.	140	58 - 147

MS MS Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 49 23 - 120 38 - 123 2-Fluorobiphenyl (Surr) 74 68 - 136 p-Terphenyl-d14 101

62

Lab Sample ID: 590-4804-1 MSD

Matrix: Solid

Pyrene

manna oona											
Analysis Batch: 9277									Prep	Batch:	9276
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	ND		258	152		ug/Kg	Ø	58	41 - 121	17	35
2-Methylnaphthalene	ND		258	190		ug/Kg	Ü	73	39 - 132	10	35
1-Methylnaphthalene	ND		258	176		ug/Kg	Ø	68	46 - 131	11	35
Acenaphthylene	ND		258	192		ug/Kg	\C	74	56 - 123	7	35
Acenaphthene	ND		258	201		ug/Kg		78	43 - 140	7	35
Fluorene	ND		258	215		ug/Kg	Ö	83	54 - 131	4	35
Phenanthrene	21		258	248		ug/Kg	Ti-	88	55 <sub>-</sub> 141	8	35
Anthracene	ND		258	235		ug/Kg	Ø.	89	60 - 129	4	35
Fluoranthene	70		258	331		ug/Kg	:D-	101	63 - 141	10	35

TestAmerica Spokane

Ð

92

62 - 139

ug/Kg

Client Sample ID: C-26

Prep Type: Total/NA

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16

35

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

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

Lab Sample ID: 590-4804-1 MSD Matrix: Solid

Analysis Batch: 9277

Client Sample ID: C-26

Prep Type: Total/NA

Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
59		258	310		ug/Kg	Ħ	97	61 - 136	30	35
75		258	320		ug/Kg	ŭ	95	57 - 144	33	35
110	F2 F1	258	375	F2	ug/Kg	Ø	104	66 - 141	41	35
36	F2	258	270	F2	ug/Kg	Ø	91	63 - 150	38	35
69	F2 F1	258	323	F2	ug/Kg	₽	98	60 - 133	43	35
41		258	287		ug/Kg	Ħ	95	55 - 142	33	35
17		258	234		ug/Kg	æ	84	60 - 150	23	35
48	F2	258	288	F2	ug/Kg	₽	93	58 <sub>-</sub> 147	37	35
	Result 59 75 110 36 69 41 17	Result Qualifier 59 75 110 F2 F1 36 F2 69 F2 F1 41	Result         Qualifier         Added           59         258           75         258           110         F2 F1         258           36         F2         258           69         F2 F1         258           41         258           17         258	Result         Qualifier         Added         Result           59         258         310           75         258         320           110         F2 F1         258         375           36         F2         258         270           69         F2 F1         258         323           41         258         287           17         258         234	Result         Qualifier         Added         Result         Qualifier           59         258         310           75         258         320           110         F2 F1         258         375         F2           36         F2         258         270         F2           69         F2 F1         258         323         F2           41         258         287           17         258         234	Result         Qualifier         Added         Result         Qualifier         Unit           59         258         310         ug/Kg           75         258         320         ug/Kg           110         F2 F1         258         375         F2         ug/Kg           36         F2         258         270         F2         ug/Kg           69         F2 F1         258         323         F2         ug/Kg           41         258         287         ug/Kg           17         258         234         ug/Kg	Result         Qualifier         Added         Result         Qualifier         Unit         D           59         258         310         ug/Kg         g           75         258         320         ug/Kg         g           110         F2 F1         258         375         F2         ug/Kg         g           36         F2         258         270         F2         ug/Kg         g           69         F2 F1         258         323         F2         ug/Kg         g           41         258         287         ug/Kg         g           17         258         234         ug/Kg         g	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec           59         258         310         ug/Kg         IIII         97           75         258         320         ug/Kg         IIII         95           110         F2 F1         258         375         F2         ug/Kg         IIII         104           36         F2         258         270         F2         ug/Kg         IIII         91           69         F2 F1         258         323         F2         ug/Kg         IIII         98           41         258         287         ug/Kg         IIII         95           17         258         234         ug/Kg         IIII         84	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits           59         258         310         ug/Kg         g         97         61 - 136           75         258         320         ug/Kg         g         95         57 - 144           110         F2 F1         258         375         F2         ug/Kg         g         104         66 - 141           36         F2         258         270         F2         ug/Kg         g         91         63 - 150           69         F2 F1         258         323         F2         ug/Kg         g         98         60 - 133           41         258         287         ug/Kg         g         95         55 - 142           17         258         234         ug/Kg         g         84         60 - 150	Result         Qualifier         Added         Result         Qualifier         Unit         D         %Rec         Limits         RPD           59         258         310         ug/Kg         97         61-136         30           75         258         320         ug/Kg         95         57-144         33           110         F2 F1         258         375         F2         ug/Kg         9         104         66-141         41           36         F2         258         270         F2         ug/Kg         91         63-150         38           69         F2 F1         258         323         F2         ug/Kg         98         60-133         43           41         258         287         ug/Kg         95         55-142         33           17         258         234         ug/Kg         84         60-150         23

MSD MSD

Surrogate	%Recovery (	Qualifier	Limits
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl (Surr)	73		38 - 123
p-Terphenyl-d14	96		68 - 136

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

NAD BAD

Lab Sample ID: MB 590-9280/1-A

Matrix: Solid

Analysis Batch: 9282

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

Prep Batch: 9280

	IAID	MID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/26/16 08:28	10/26/16 10:17	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		10/26/16 08:28	10/26/16 10:17	1

 Surrogate
 %Recovery
 Qualifier
 Limits

 o-Terphenyl
 94
 50 - 150

 n-Triacontane-d62
 91
 50 - 150

 Prepared
 Analyzed
 Dil Fac

 10/26/16 08:28
 10/26/16 10:17
 1

 10/26/16 08:28
 10/26/16 10:17
 1

Lab Sample ID: LCS 590-9280/2-A

Matrix: Solid

Analysis Batch: 9282

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9280

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO) (C10-C25)	67.1	67.4		mg/Kg		101	50 - 150	
Residual Range Organics (RRO) (C25-C36)	66.8	71.1		mg/Kg		106	50 - 150	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	98		50 - 150
n-Triacontane-d62	99		50 - 150

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

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

Lab Sample ID: 590-4804-1 Matrix: Solid Analysis Batch: 9281		Sample	DU	DU			Client Sample ID: Prep Type: Tot Prep Batch:	al/NA
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	Ø	21	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	₩	31	40

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	95		50 - 150
n-Triacontane-d62	71		50 - 150

Lab Sample ID: 590-4804-2 DU Client Sample ID: C-27 Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9282 Prep Batch: 9280 DU DU Sample Sample **RPD** Analyte Result Qualifier Result Qualifier Unit D **RPD** Limit ND Diesel Range Organics (DRO) ND mg/Kg 40 (C10-C25) ND ND Ø 13 Residual Range Organics (RRO) mg/Kg 40

(C25-C36) DU DU Surrogate %Recovery Qualifier Limits o-Terphenyl 96 50 - 150 n-Triacontane-d62 91 50 - 150

## Method: 6010C - Metals (ICP)

Lead

Lab Sample ID: MB 590-9274/2-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA

Analysis Batch: 9291 Prep Batch: 9274

мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 1.3 10/25/16 16:44 10/26/16 12:43 Lead ND mg/Kg

Lab Sample ID: LCS 590-9274/1-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9291 Prep Batch: 9274 Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits

50.0

Lab Sample ID: 590-4804-1 MS Client Sample ID: C-26

50.0

Matrix: Solid Prep Type: Total/NA Analysis Batch: 9291 Prep Batch: 9274

Sample Sample Spike MS MS %Rec. Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits Lead 8.5 47.3 64.5 118 75 - 125 mg/Kg

TestAmerica Spokane

100

mg/Kg

80 - 120

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Method:	6010C -	Metals	(ICP)	(Continued)
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Matrix: Solid Analysis Batch: 9291									Prep Typ Prep	Batch:	
,	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Lead	8.5		44.8	60.3		mg/Kg	₩.	116	75 <sub>-</sub> 125	7	20

Lab Sample ID: 590-4804-1 DU	Client Sample ID: C-26
Matrix: Solid	Prep Type: Total/NA

Analysis Batch: 9291							Prep Batch:	9274
-	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
l ead	8.5		12 0	F5	ma/Ka	to:	34	20

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Lab Sample ID: 590-4804-1

Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Client Sample ID: C-26

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Lab Sample ID: 590-4804-1 Client Sample ID: C-26 Date Collected: 10/25/16 00:00 Matrix: Solid

Percent Solids: 97.8 Date Received: 10/25/16 15:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C	- 1.0.1	1 40101	15.01 a	2 mL	9276	10/26/16 07:32		TAL SPK
Total/NA	Analysis	8270D SIM		1	· ·		9277	10/26/16 10:42	NMI	TAL SPK
Total/NA	Prep	3550C			15,22 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 10:33	NMI	TAL SPK
Total/NA	Prep	3050B			1:19 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5	-		9291	10/26/16 12:45	JSP	TAL SPK

Lab Sample ID: 590-4804-2 Client Sample ID: C-27 Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Initial Final Batch Batch Batch Dil Prepared Method Run Factor Amount **Amount** Number or Analyzed Analyst Lab Prep Type Type 9275 10/25/16 16:47 JSP TAL SPK Total/NA Analysis Moisture

Lab Sample ID: 590-4804-2 Client Sample ID: C-27 Matrix: Solid

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.48 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 11:06	NMI	TAL SPK
Total/NA	Prep	3550C			15.78 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9282	10/26/16 11:02	NMI	TAL SPK
Total/NA	Prep	3050B			1.25 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 12:58	JSP	TAL SPK

Client Sample ID: C-28 Lab Sample ID: 590-4804-3 Date Collected: 10/25/16 00:00 Matrix: Solid

Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

TestAmerica Spokane

Percent Solids: 97.4

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Client Sample ID: C-28 Lab Sample ID: 590-4804-3

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Matrix: Solid
Percent Solids: 94.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.28 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 11:31	IMA	TAL SPK
Total/NA	Ргер	3550C			15.08 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 10:49	NM!	TAL SPK
Total/NA	Prep	3050B			1,60 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:00	JSP	TAL SPK

Client Sample ID: C-29 Lab Sample ID: 590-4804-4

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Client Sample ID: C-29

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-4

Matrix: Solid

Date Received: 10/25/16 15:55

Matrix: Solid Percent Solids: 96.5

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3550C 8270D SIM	Run	Dil Factor	Initial Amount 15,68 g	Final Amount 2 mL	Batch Number 9276 9277	Prepared or Analyzed 10/26/16 07:32 10/26/16 11:56	Lab TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		20	15.98 g	5 mL	9280 9281	10/26/16 08:28 10/26/16 11:02	 TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		5	1.62 g	50 mL	9274 9291	10/25/16 16:44 10/26/16 13:03	 TAL SPK TAL SPK

Client Sample ID: C-30

Lab Sample ID: 590-4804-5

Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Dif Initial Final Batch Ratch Ratch Prepared **Prep Type** Type Method Run Factor **Amount Amount** Number or Analyzed Analyst Lab Total/NA Analysis Moisture 9275 10/25/16 16:47 JSP TAL SPK

Client Sample ID: C-30 Lab Sample ID: 590-4804-5

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Prep

3050B

Total/NA

Matrix: Solid
Percent Solids: 96.3

10/25/16 16:44 JSP

Dil Initial Final Batch Batch Batch Prepared Prep Type Type Method Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA Prep 3550C 15.12 g 2 mL 9276 10/26/16 07:32 NMI TAL SPK Total/NA 8270D SIM 9277 10/26/16 12:20 NMI TAL SPK Analysis 1 Total/NA 10/26/16 08:28 NMI TAL SPK Prep 3550C 5 mL 9280 15.50 g 1 10/26/16 11:16 NMI TAL SPK Total/NA Analysis NWTPH-Dx 9281

1.27 g

50 mL

9274

TestAmerica Spokane

10/26/2016

TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Client Sample ID: C-30

Lab Sample ID: 590-4804-5

Matrix: Solid

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 96.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		5			9291	10/26/16 13:14	JSP	TAL SPK

Client Sample ID: C-31 Lab Sample ID: 590-4804-6

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Client Sample ID: C-31 Lab Sample ID: 590-4804-6

Date Collected: 10/25/16 00:00 Matrix: Solid

Date Received: 10/25/16 15:55 Percent Solids: 96.4

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3550C 8270D SIM	Run	Dil Factor	Initial Amount 15.17 g	Final Amount 2 mL	Batch Number 9276 9277	Prepared or Analyzed 10/26/16 07:32 10/26/16 12:44	<b>Lab</b> TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		1	15.53 g	5 mL	9280 9282	10/26/16 08:28 10/26/16 11:16	TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		5	1.15 g	50 mL	9274 9291	10/25/16 16:44 10/26/16 13:16	 TAL SPK TAL SPK

Client Sample ID: C-32

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-7

Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Client Sample ID: C-32 Lab Sample ID: 590-4804-7

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 96.7

Batch Batch Dil Initial Final Batch Prepared Method Amount **Amount** Number or Analyzed Analyst Lab **Prep Type** Type Run **Factor** 10/26/16 07:32 NMI TAL SPK Total/NA Prep 3550C 9276 15.07 g 2 mL 10/26/16 13:08 NMI TAL SPK Analysis 8270D SIM 1 9277

Total/NA Total/NA 3550C 9280 10/26/16 08:28 NMI TAL SPK Prep 15.55 g 5 mL Total/NA 1 9282 10/26/16 11:30 NMI TAL SPK Analysis NWTPH-Dx Total/NA Prep 50 mL 9274 10/25/16 16:44 JSP TAL SPK 3050B 1,59 g Total/NA 6010C 5 9291 10/26/16 13:18 JSP TAL SPK Analysis

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Client Sample ID: C-33

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55 Lab Sample ID: 590-4804-8

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Client Sample ID: C-33 Lab Sample ID: 590-4804-8

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

00 Matrix: Solid 55 Percent Solids: 97.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.54 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 13:32	NMI	TAL SPK
Total/NA	Prep	3550C			15.37 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9282	10/26/16 11:48	NMI	TAL SPK
Total/NA	Prep	3050B			1.28 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:22	JSP	TAL SPK

Client Sample ID: C-34

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-9

Matrix: Solid

Date Received: 10/25/16 15:55

Batch Batch Batch Dil Initial Final Prepared Amount Amount Number or Analyzed Prep Type Method **Analyst** Lab Type Run Factor 9275 10/25/16 16:47 JSP TAL SPK Total/NA Analysis Moisture

Client Sample ID: C-34

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-9

Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Batch Dil Initial Final Batch Prepared Batch Method **Factor** Amount Number or Analyzed Analyst Prep Type Type Run **Amount** Lab 9276 Total/NA 10/26/16 07:32 NMI TAL SPK Prep 3550C 15.21 g 2 mL Total/NA Analysis 8270D SIM 1 9277 10/26/16 13:57 NMI TAL SPK Total/NA 5 mL 9280 10/26/16 08:28 NMI TAL SPK Prep 3550C 15.26 g 10/26/16 12:06 NMI TAL SPK Total/NA Analysis **NWTPH-Dx** 1 9282 Total/NA Prep 3050B 1.25 g 50 mL 9274 10/25/16 16:44 JSP TAL SPK

Client Sample ID: C-35

Date Collected: 10/25/16 00:00

Lab Sample ID: 590-4804-10

Matrix: Solid

5

Date Received: 10/25/16 15:55

Analysis

6010C

Total/NA

Prepared Batch **Batch** Dil Initial Final Batch Prep Type Type Method Run Factor Amount Amount Number or Analyzed **Analyst** Lab 9275 10/25/16 16:47 JSP TAL SPK Total/NA Analysis Moisture

Page 26 of 34

TestAmerica Spokane

Percent Solids: 97.7

TAL SPK

10/26/16 13:24 JSP

9291

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4804-10

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Matrix: Solid

Percent Solids: 96.9

Client Sample ID: C-35
Date Collected: 10/25/16 00:00
Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.27 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 14:22	NMI	TAL SPK
Total/NA	Prep	3550C			15.53 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 11:30	NMI	TAL SPK
Total/NA	Prep	3050B			1.31 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:26	JSP	TAL SPK

Client Sample ID: C-6 Lab Sample ID: 590-4804-11

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Dil Initial Final Batch Prepared Batch Batch **Amount** Number or Analyzed **Prep Type** Type Method Run **Factor Amount Analyst** Lab Total/NA 9275 10/25/16 16:47 JSP TAL SPK Analysis Moisture

Client Sample ID: C-6

Lab Sample ID: 590-4804-11

Matrix: Solid

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 98.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.45 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 14:48	NMI	TAL SPK
Total/NA	Prep	3550C			15.51 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 11:48	NMI	TAL SPK
Total/NA	Prep	3050B			1.32 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:29	JSP	TAL SPK

Client Sample ID: C-7

Lab Sample ID: 590-4804-12

Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Initial Final **Batch** Batch Dil Batch Prepared Prep Type Method Factor Amount Amount Number or Analyzed **Analyst** Lab Type Run 9275 10/25/16 16:47 JSP TAL SPK Total/NA Analysis Moisture

Client Sample ID: C-7 Lab Sample ID: 590-4804-12

 Date Collected: 10/25/16 00:00
 Matrix: Solid

 Date Received: 10/25/16 15:55
 Percent Solids: 96.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 15:14	NMI	TAL SPK
Total/NA	Prep	3550C			15,21 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 12:06	NMI	TAL SPK
Total/NA	Prep	3050B			1:51 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK

TestAmerica Spokane

10/26/2016

Page 27 of 34

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4804-12

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Percent Solids: 96.4

Client	Sample	e ID:	C-7
Data Co	llactad:	10/25	/16 N

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	6010C		5			9291	10/26/16 13:32	JSP	TAL SPK	

Lab Sample ID: 590-4804-13 Client Sample ID: C-8 Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Lab Sample ID: 590-4804-13 Client Sample ID: C-8 Matrix: Solid

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 3550C 15.26 g 5 mL 9280 10/26/16 08:28 NMI TAL SPK Total/NA Analysis **NWTPH-Dx** 1 9281 10/26/16 12:25 NMI TAL SPK Total/NA Prep 3050B 1.59 g 50 mL 9274 10/25/16 16:44 JSP TAL SPK Total/NA Analysis 9291 10/26/16 13:34 JSP TAL SPK 6010C 5

Lab Sample ID: 590-4804-14 Client Sample ID: C-9

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Lab Sample ID: 590-4804-14 Client Sample ID: C-9

Date Collected: 10/25/16 00:00

Percent Solids: 94.1 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		ì			9281	10/26/16 12:43	NMI	TAL SPK
Total/NA	Ргер	3050B			1.21 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:37	JSP	TAL SPK

Lab Sample ID: 590-4804-15 Client Sample ID: C-5

Date Collected: 10/25/16 00:00 Date Received: 10/25/16 15:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

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10/26/2016

Matrix: Solid

Percent Solids: 96.2

Matrix: Solid

Matrix: Solid

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Analysis

Lab Sample ID: 590-4804-15

10/26/16 13:48 JSP

TestAmerica Job ID: 590-4804-1

Matrix: Solid

Percent Solids: 96.1

Client Sample ID: C-5
Date Collected: 10/25/16 00:00
Date Received: 10/25/16 15:55

Dil Initial Final Batch Prepared **Batch Batch Prep Type** Туре Method Run Factor **Amount Amount** Number or Analyzed Analyst Lab Total/NA 3550C 9280 10/26/16 08:28 NMI TAL SPK Prep 15.83 g 5 mL Total/NA NWTPH-Dx TAL SPK 9281 10/26/16 13:16 NMI Analysis 1 9274 Total/NA Prep 10/25/16 16:44 JSP TAL SPK 3050B 1.31 g 50 mL

9291

5

TAL SPK
TAL SPK
TAL SPK

**Laboratory References:** 

Total/NA

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

6010C

8

# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

**Laboratory: TestAmerica Spokane**Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		EPA Region	Certification ID	Expiration Date
Washington	State Pro	gram	10	C569	01-06-17
The following analyte	s are included in this repo	rt, but certification is	not offered by the go	overning authority:	
Analysis Method	Prep Method	Matrix	Analyt	te	
Analysis Method Moisture	Prep Method	Matrix Solid		te nt Moisture	

# **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4804-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

### Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### **Laboratory References:**

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT NAME Sisters of the

Holy Names

SAMPLED BY: Tyles Scalise PROJECT NUMBER: ES-433201

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

HATWN

C-27 C-28

C-29

C-30 C-31

C-26

088/16

PHONE: (415) 284-3300

REPORT TO:

Sykes

ADDRESS

CLIENT EXXX SolutionS NW, LLC

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beavenon, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

FAX 906-9210 FAX 563-9210

10/26/2016

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ADDITIONAL REMARK PRINT NAME RELEASED BY PRINT NAME

THE LEADER IN ENVIRONMENTAL TESTING

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

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5 4 3 2	PRESERVATIVE	*	PROJECT NAME: Sisters of the Holy
10 7 5 4 3 2  57b Petroleum Hydrocarbon Analy	P.O. NUMBER:		PHONE: (425) 284-5500
la Besines Days * Organic & Inorganic Analyce	Earth Solutions, NW, LLC		ADDRESS:
TURNAROUND REQUEST	INVOICE TO:	S NW LLC	CLIENT E4, 1 Solutions

# Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4804-1

List Source: TestAmerica Spokane

Login Number: 4804 List Number: 1

Creator: Kratz, Sheila J

Creator. Kratz, Silelia 3		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact,	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	





















































































































































Randee Arrington, Project Manager II

**TestAmerica** 

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

TestAmerica Job ID: 590-4813-1

TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

Earth Solutions NW LLC 1805 136th Place NE

Bellevue, Washington 98005

Authorized for release by: 10/27/2016 3:28:30 PM

For:

Suite 201

Attn: Ted Sykes

ANALYTICAL REPORT

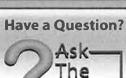
Client Project/Site: Sisters of the Holy Names

(509)924-9200 randee.arrington@testamericainc.com

tanau trington

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LINKS



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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is

intended to be the legally binding equivalent of a traditionally handwritten signature. Results relate only to the items tested and the sample(s) as received by the laboratory.

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### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

### Job ID: 590-4813-1

Laboratory: TestAmerica Spokane

### Narrative

### Receipt

The samples were received on 10/26/2016 2:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.1° C.

### GC/MS Semi VOA

Method 8270D SIM: The following sample required a dilution due to the nature of the sample matrix: C-37 (590-4813-9). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

### GC Semi VOA

No analytical or quality issues were noted, other than those described 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.

# **Sample Summary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4813-1	C-10	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-2	C-11	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-3	C-12	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-4	C-13	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-5	C-14	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-6	C-17	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-7	C-19	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-8	C-36	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-9	C-37	Solid	10/26/16 00:00	10/26/16 14:10
590-4813-10	C-38	Solid	10/26/16 00:00	10/26/16 14:10





## **Definitions/Glossary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

### Qualifiers

### GC/MS Semi VOA

Qualifler Description

X Surrogate is outside control limits

### GC Semi VOA

Qualifler Qualifler Description

F5 Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the

absolute difference is less than the RL.

### 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: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-10

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Lab Sample ID: 590-4813-1

Matrix: Solid

Percent Solids: 92.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	ά	10/27/16 09:52	10/27/16 11:21	1
Residual Range Organics (RRO)	ND		27		mg/Kg	₿	10/27/16 09:52	10/27/16 11:21	[5
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				10/27/16 09:52	10/27/16 11:21	1
n-Triacontane-d62	87		50 - 150				10/27/16 09:52	10/27/16 11:21	3
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		5.0		mg/Kg	₩	10/26/16 14:29	10/27/16 12:57	5

Client Sample ID: C-11

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Lab Sample ID: 590-4813-2

Matrix: Solid Percent Solids: 93.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0,010		mg/Kg	章	10/26/16 15:16	10/26/16 15:56	
2-Methylnaphthalene	ND		0.010		mg/Kg	¤	10/26/16 15:16	10/26/16 15:56	
1-Methylnaphthalene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 15:56	3
Acenaphthylene	ND		0.010		mg/Kg	口口口	10/26/16 15:16	10/26/16 15:56	3
Acenaphthene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 15:56	ð
Fluorene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 15:56	õ
Phenanthrene	ND		0.010		mg/Kg	草	10/26/16 15:16	10/26/16 15:56	1
Anthracene	ND		0,010		mg/Kg	贷	10/26/16 15:16	10/26/16 15:56	8
Fluoranthene	ND		0,010		mg/Kg	Ü	10/26/16 15:16	10/26/16 15:56	ì
Pyrene	ND		0.010		mg/Kg	ü	10/26/16 15:16	10/26/16 15:56	9
Benzo[a]anthracene	ND		0,010		mg/Kg	₩	10/26/16 15:16	10/26/16 15:56	
Chrysene	ND		0,010		mg/Kg	₽	10/26/16 15:16	10/26/16 15:56	7
Benzo[b]fluoranthene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 15:56	8
Benzo[k]fluoranthene	ND		0.010		mg/Kg	#	10/26/16 15:16	10/26/16 15:56	
Benzo[a]pyrene	ND		0.010		mg/Kg	₩	10/26/16 15:16	10/26/16 15:56	
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	草	10/26/16 15:16	10/26/16 15:56	
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₩	10/26/16 15:16	10/26/16 15:56	ř
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₿	10/26/16 15:16	10/26/16 15:56	ŝ
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	44		23 - 120				10/26/16 15:16	10/26/16 15:56	
2-Fluorobiphenyl (Surr)	66		38 - 123				10/26/16 15:16	10/26/16 15:56	3
p-Terphenyl-d14	108		68 _ 136				10/26/16 15:16	10/26/16 15:56	ß
Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	¤	10/27/16 09:52	10/27/16 11:52	
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	ø	10/27/16 09:52	10/27/16 11:52	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	94		50 - 150				10/27/16 09:52	10/27/16 11:52	

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-11

Lab Sample ID: 590-4813-2

Analyzed

10/27/16 13:09

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Matrix: Solid Percent Solids: 93.9

Dil Fac

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

Result Qualifier

6.5

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 n-Triacontane-d62
 85
 50 - 150
 10/27/16 09:52
 10/27/16 11:52
 1

Method: 6010C - Metals (ICP)
Analyte

Lead

Client Sample ID: C-12 Lab Sample ID: 590-4813-3

RL

5.7

MDL Unit

mg/Kg

D

Prepared

10/26/16 14:29

Date Collected: 10/26/16 00:00 Matrix: Solid
Date Received: 10/26/16 14:10 Percent Solids: 93.1

vate Received. 10/20/10 14.10								Percent Son	us. 53.
Method: 8270D SIM - Semivolat Analyte	•	npounds (G Qualifier	C/MS SIM) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0,010		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:21	
2-Methylnaphthalene	ND		0.010		mg/Kg	₩	10/26/16 15:16	10/26/16 16:21	à
1-Methylnaphthalene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	8
Acenaphthylene	ND		0.010		mg/Kg	贷	10/26/16 15:16	10/26/16 16:21	Đ.
Acenaphthene	ND		0.010		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:21	(6
Fluorene	ND		0,010		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:21	í
Phenanthrene	ND		0,010		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:21	f
Anthracene	ND		0.010		mg/Kg	₩	10/26/16 15:16	10/26/16 16:21	3
Fluoranthene	ND		0.010		mg/Kg	ά	10/26/16 15:16	10/26/16 16:21	7
Pyrene	ND		0,010		mg/Kg	₿	10/26/16 15:16	10/26/16 16:21	3
Benzo[a]anthracene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	
Chrysene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	i i
Benzo(b)fluoranthene	0.013		0.010		mg/Kg	ф	10/26/16 15:16	10/26/16 16:21	
Benzo[k]fluoranthene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	() 21
Benzo[a]pyrene	ND		0,010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	9
Indeno[1,2,3-cd]pyrene	ND		0,010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	9
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	8
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₽	10/26/16 15:16	10/26/16 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	49		23 - 120				10/26/16 15:16	10/26/16 16:21	1
2-Fluorobiphenyl (Surr)	77		38 - 123				10/26/16 15:16	10/26/16 16:21	1
p-Terphenyl-d14	115		68 - 136				10/26/16 15:16	10/26/16 16:21	1
Method: NWTPH-Dx - Northwes			• •						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dit Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	₽	10/27/16 09:52	10/27/16 12:10	
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	₽	10/27/16 09:52	10/27/16 12:10	ř
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	96		50 _ 150				10/27/16 09:52	10/27/16 12:10	
n-Triacontane-d62	85		50 - 150				10/27/16 09:52	10/27/16 12:10	ý
Method: 6010C - Metals (ICP)									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		5.2		mg/Kg	ţ.	10/26/16 14:29	10/27/16 13:11	5

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-13

C-13 Lab Sample ID: 590-4813-4

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Matrix: Solid Percent Solids: 94.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		10		mg/Kg	₩.	10/27/16 09:52	10/27/16 11:52	1
(C10-C25)									
Residual Range Organics (RRO)	ND		26		mg/Kg	贷	10/27/16 09:52	10/27/16 11:52	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	99		50 - 150				10/27/16 09:52	10/27/16 11:52	1
n-Triacontane-d62	97		50 <sub>-</sub> 150				10/27/16 09:52	10/27/16 11:52	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		4.6		mg/Kg	, p	10/26/16 14:29	10/27/16 13:21	5

Client Sample ID: C-14 Lab Sample ID: 590-4813-5

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10 Percent Solids: 93.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	ä	10/27/16 09:52	10/27/16 12:10	i
Residual Range Organics (RRO)	ND		26		mg/Kg	¤	10/27/16 09:52	10/27/16 12:10	8
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	99		50 - 150				10/27/16 09:52	10/27/16 12:10	- 10
n-Triacontane-d62	96		50 = 150				10/27/16 09:52	10/27/16 12:10	d
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
						\q			

 Client Sample ID: C-17
 Lab Sample ID: 590-4813-6

 Date Collected: 10/26/16 00:00
 Matrix: Solid

 Date Received: 10/26/16 14:10
 Percent Solids: 91.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	¤	10/26/16 15:16	10/26/16 16:48	1
2-Methylnaphthalene	ND		0.011		mg/Kg	草	10/26/16 15:16	10/26/16 16:48	1
1-Methylnaphthalene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Acenaphthylene	ND		0.011		mg/Kg	岗	10/26/16 15:16	10/26/16 16:48	1
Acenaphthene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Fluorene	ND		0.011		mg/Kg	Ďŧ	10/26/16 15:16	10/26/16 16:48	1
Phenanthrene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Anthracene	ND		0.011		mg/Kg	Ď.	10/26/16 15:16	10/26/16 16:48	1
Fluoranthene	ND		0,011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Pyrene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Benzo[a]anthracene	ND		0.011		mg/Kg	Ϋ́	10/26/16 15:16	10/26/16 16:48	1
Chrysene	ND		0.011		mg/Kg	苁	10/26/16 15:16	10/26/16 16:48	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-17

Lab Sample ID: 590-4813-6

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Matrix: Solid Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0,011		mg/Kg	ā	10/26/16 15:16	10/26/16 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0,011		mg/Kg	ά	10/26/16 15:16	10/26/16 16:48	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	草	10/26/16 15:16	10/26/16 16:48	1
Benzo[g,h,i]perylene	ND		0,011		mg/Kg	Þ	10/26/16 15:16	10/26/16 16:48	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	42	23 - 120	10/26/16 15:16	10/26/16 16:48	1
2-Fluorobiphenyl (Surr)	66	38 - 123	10/26/16 15:16	10/26/16 16:48	1
p-Terphenyl-d14	106	68 - 136	10/26/16 15:16	10/26/16 16:48	1

Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND	11		mg/Kg	¤	10/27/16 09:52	10/27/16 12:28	1
ND	26		mg/Kg	D.	10/27/16 09:52	10/27/16 12:28	1
					ND II IIIgiry	ND 11 liighty 10/2/10 03.02	ng/ng - 10/2/1/0 00:02 10/2/1/0 12:20

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97	50 <sub>-</sub> 150	10/27/16 09:52	10/27/16 12:28	1
n-Triacontane-d62	90	50 - 150	10/27/16 09:52	10/27/16 12:28	1

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		5.6		mg/Kg	Ø	10/26/16 14:29	10/27/16 13:26	5

Client Sample ID: C-19 Lab Sample ID: 590-4813-7

 Date Collected: 10/26/16 00:00
 Matrix: Solid

 Date Received: 10/26/16 14:10
 Percent Solids: 89.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	¤	10/26/16 15:16	10/26/16 17:14	1
2-Methylnaphthalene	ND		0.011		mg/Kg	¤	10/26/16 15:16	10/26/16 17:14	1
1-Methylnaphthalene	ND		0.011		mg/Kg	₿	10/26/16 15:16	10/26/16 17:14	1
Acenaphthylene	ND		0.011		mg/Kg	₿	10/26/16 15:16	10/26/16 17:14	1
Acenaphthene	ND		0,011		mg/Kg	ά	10/26/16 15:16	10/26/16 17:14	4
Fluorene	ND		0.011		mg/Kg	₽	10/26/16 15:16	10/26/16 17:14	1
Phenanthrene	ND		0.011		mg/Kg	₽	10/26/16 15:16	10/26/16 17:14	1
Anthracene	ND		0.011		mg/Kg	¤	10/26/16 15:16	10/26/16 17:14	- 1
Fluoranthene	ND		0.011		mg/Kg	¤	10/26/16 15:16	10/26/16 17:14	1
Pyrene	ND		0.011		mg/Kg	ά	10/26/16 15:16	10/26/16 17:14	1
Benzo(a)anthracene	ND		0.011		mg/Kg	ά	10/26/16 15:16	10/26/16 17:14	1
Chrysene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 17:14	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	Þ	10/26/16 15:16	10/26/16 17:14	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	ф	10/26/16 15:16	10/26/16 17:14	1
Benzo[a]pyrene	ND		0.011		mg/Kg	₽	10/26/16 15:16	10/26/16 17:14	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₿	10/26/16 15:16	10/26/16 17:14	্ৰ
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	φ	10/26/16 15:16	10/26/16 17:14	- 1
Benzo[g,h,i]perylene	ND		0-011		mg/Kg	₩	10/26/16 15:16	10/26/16 17:14	- 1

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

Client Sample ID: C-19

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-7

Matrix: Solid

Percent Solids: 89.0

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	43	23 - 120	10/26/16 15:16	10/26/16 17:14	1
2-Fluorobiphenyl (Surr)	80	38 - 123	10/26/16 15:16	10/26/16 17:14	1
p-Terphenyl-d14	109	68 <sub>-</sub> 136	10/26/16 15:16	10/26/16 17:14	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Result Qualifier MDL Unit Prepared Analyzed Dil Fac Analyte 10/27/16 12:46 ND 11 mg/Kg 10/27/16 09:52 Diesel Range Organics (DRO) (C10-C25)

10/27/16 09:52 10/27/16 12:46 ND 27 mg/Kg Residual Range Organics (RRO) (C25-C36)

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac o-Terphenyl 50 - 150 10/27/16 09:52 10/27/16 12:46 101 10/27/16 12:46 50 - 150 10/27/16 09:52 n-Triacontane-d62 101

Method: 6010C - Metals (ICP) Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Analyte 10/26/16 14:29 10/27/16 13:28 4.7 8.0 mg/Kg Lead

Client Sample ID: C-36 Lab Sample ID: 590-4813-8

Matrix: Solid Date Collected: 10/26/16 00:00 Percent Solids: 90.2 Date Received: 10/26/16 14:10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.022		mg/Kg	¤	10/26/16 15:16	10/26/16 17:40	2
2-Methylnaphthalene	ND	(	0.022		mg/Kg	Ø	10/26/16 15:16	10/26/16 17:40	2
1-Methylnaphthalene	ND	(	0,022		mg/Kg	ţţ.	10/26/16 15:16	10/26/16 17:40	2
Acenaphthylene	ND	1	0.022		mg/Kg	¤	10/26/16 15:16	10/26/16 17:40	2
Acenaphthene	0.030		0.022		mg/Kg	ά	10/26/16 15:16	10/26/16 17:40	2
Fluorene	ND		0.022		mg/Kg	×	10/26/16 15:16	10/26/16 17:40	2
Phenanthrene	0.33		0.022		mg/Kg	₽	10/26/16 15:16	10/26/16 17:40	2
Anthracene	0.079		0.022		mg/Kg	¤	10/26/16 15:16	10/26/16 17:40	2
Fluoranthene	1.3		0.022		mg/Kg	₿	10/26/16 15:16	10/26/16 17:40	2
Pyrene	1.1		0.022		mg/Kg	₽	10/26/16 15:16	10/26/16 17:40	2
Benzo[a]anthracene	1.1		0.022		mg/Kg	₽	10/26/16 15:16	10/26/16 17:40	2
Chrysene	1.3	1	0.022		mg/Kg	☆	10/26/16 15:16	10/26/16 17:40	2
Benzo[b]fluoranthene	1.7		0.022		mg/Kg	¤	10/26/16 15:16	10/26/16 17:40	2
Benzo[k]fluoranthene	0.67	1	0.022		mg/Kg	₽	10/26/16 15:16	10/26/16 17:40	2
Benzo[a]pyrene	1.3		0.022		mg/Kg	₽	10/26/16 15:16	10/26/16 17:40	2
Indeno[1,2,3-cd]pyrene	0.77	1	0.022		mg/Kg	ø	10/26/16 15:16	10/26/16 17:40	2
Dibenz(a,h)anthracene	0.27	1	0.022		mg/Kg	p	10/26/16 15:16	10/26/16 17:40	2
Benzo[g,h,i]perylene	0.90	1	0.022		mg/Kg	ά	10/26/16 15:16	10/26/16 17:40	2
Surrogate	%Recovery	Qualifier Limi	ts				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49	23 -	120				10/26/16 15:16	10/26/16 17:40	2
2-Fluorobiphenyl (Surr)	74	38 -	123				10/26/16 15:16	10/26/16 17:40	2
p-Terphenyl-d14	99	68 -	136				10/26/16 15:16	10/26/16 17:40	2

TestAmerica Spokane

10/27/2016

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-36

Lab Sample ID: 590-4813-8

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Matrix: Solid Percent Solids: 90.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	130		11		mg/Kg	ğ	10/27/16 09:52	10/27/16 12:46	11
Residual Range Organics (RRO) (C25-C36)	300		27		mg/Kg	¤	10/27/16 09:52	10/27/16 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	136		50 <sub>-</sub> 150				10/27/16 09:52	10/27/16 12:46	1
n-Triacontane-d62	113		50 - 150				10/27/16 09:52	10/27/16 12:46	1
Method: 6010C - Metals (ICP)									
A 14 a	Popult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Kesuit	Quantiti	114	MOL	Oilit	_	ricparou	Analyzou	Diriac

Client Sample ID: C-37

Lab Sample ID: 590-4813-9

...

Matrix: Solid

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Percent Solids: 83.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	0.73		0.23		mg/Kg	₽	10/26/16 15:16	10/26/16 18:07	2
2-Methylnaphthalene	0.29		0.23		mg/Kg	₩	10/26/16 15:16	10/26/16 18:07	2
1-Methylnaphthalene	ND		0.23		mg/Kg	¢	10/26/16 15:16	10/26/16 18:07	2
Acenaphthylene	ND		0,23		mg/Kg	苁	10/26/16 15:16	10/26/16 18:07	20
Acenaphthene	0.99		0.23		mg/Kg	¢	10/26/16 15:16	10/26/16 18:07	20
Fluorene	0.43		0.23		mg/Kg	¤	10/26/16 15:16	10/26/16 18:07	20
Phenanthrene	6.8		0.23		mg/Kg	Ď.	10/26/16 15:16	10/26/16 18:07	20
Anthracene	1.8		0.23		mg/Kg	苁	10/26/16 15:16	10/26/16 18:07	20
Fluoranthene	31		0.23		mg/Kg	贷	10/26/16 15:16	10/26/16 18:07	20
Pyrene	30		0,23		mg/Kg	¤	10/26/16 15:16	10/26/16 18:07	20
Benzo[a]anthracene	31		0,23		mg/Kg	贷	10/26/16 15:16	10/26/16 18:07	20
Chrysene	35		0,23		mg/Kg	Ľ.	10/26/16 15:16	10/26/16 18:07	20
Benzo[b]fluoranthene	49		0,23		mg/Kg	₽	10/26/16 15:16	10/26/16 18:07	20
Benzo[k]fluoranthene	16		0,23		mg/Kg	¤	10/26/16 15:16	10/26/16 18:07	20
Benzo[a]pyrene	36		0,23		mg/Kg	ζŧ.	10/26/16 15:16	10/26/16 18:07	20
Indeno[1,2,3-cd]pyrene	20		0,23		mg/Kg	贷	10/26/16 15:16	10/26/16 18:07	20
Dibenz(a,h)anthracene	7.1		0,23		mg/Kg	ф	10/26/16 15:16	10/26/16 18:07	20
Benzo[g,h,i]perylene	22		0.23		mg/Kg	¢	10/26/16 15:16	10/26/16 18:07	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	92		23 - 120				10/26/16 15:16	10/26/16 18:07	20
2-Fluorobiphenyl (Surr)	127	X	38 - 123				10/26/16 15:16	10/26/16 18:07	20
p-Terphenyl-d14	166	X	68 - 136				10/26/16 15:16	10/26/16 18:07	20
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	240		59		mg/Kg	₿	10/27/16 09:52	10/27/16 12:28	ţ
Residual Range Organics (RRO) (C25-C36)	810		150		mg/Kg	ф	10/27/16 09:52	10/27/16 12:28	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	140		50 - 150				10/27/16 09:52	10/27/16 12:28	

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

Client Sample ID: C-37

Lab Sample ID: 590-4813-9

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Matrix: Solid Percent Solids: 83.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	91		50 - 150	10/27/16 09:52	10/27/16 12:28	5

Method: 6010C - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Lead	54	5.7	mg/Kg	#	10/26/16 14:29	10/27/16 13:33	5

Lab Sample ID: 590-4813-10 Client Sample ID: C-38

Date Collected: 10/26/16 00:00

Matrix: Solid

Percent Solids: 88.7 Date Received: 10/26/16 14:10

Method: 8270D SIM - Semivolatile Analyte	-	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.027		0.021		mg/Kg	π	10/26/16 15:16	10/26/16 18:33	2
2-Methylnaphthalene	ND		0.021		mg/Kg	þ	10/26/16 15:16	10/26/16 18:33	2
1-Methylnaphthalene	ND		0,021		mg/Kg	₽	10/26/16 15:16	10/26/16 18:33	2
Acenaphthylene	ND		0,021		mg/Kg	₩	10/26/16 15:16	10/26/16 18:33	2
Acenaphthene	0.035		0,021		mg/Kg	Ι <b>Ċ</b>	10/26/16 15:16	10/26/16 18:33	2
Fluorene	ND		0,021		mg/Kg	贷	10/26/16 15:16	10/26/16 18:33	2
Phenanthrene	0.31		0,021		mg/Kg	尊	10/26/16 15:16	10/26/16 18:33	2
Anthracene	0.074		0.021		mg/Kg	₽	10/26/16 15:16	10/26/16 18:33	2
Fluoranthene	1.1		0.021		mg/Kg	草	10/26/16 15:16	10/26/16 18:33	2
Pyrene	1.1		0,021		mg/Kg	⇔	10/26/16 15:16	10/26/16 18:33	2
Benzo[a]anthracene	0.99		0.021		mg/Kg	₽	10/26/16 15:16	10/26/16 18:33	2
Chrysene	1.2		0,021		mg/Kg	☆	10/26/16 15:16	10/26/16 18:33	2
Benzo[b]fluoranthene	1.7		0.021		mg/Kg	Ø	10/26/16 15:16	10/26/16 18:33	2
Benzo[k]fluoranthene	0.56		0,021		mg/Kg	贷	10/26/16 15:16	10/26/16 18:33	2
Benzo[a]pyrene	1.2		0,021		mg/Kg	贷	10/26/16 15:16	10/26/16 18:33	2
Indeno[1,2,3-cd]pyrene	0.73		0.021		mg/Kg	₿	10/26/16 15:16	10/26/16 18:33	2
Dibenz(a,h)anthracene	0.24		0.021		mg/Kg	¤	10/26/16 15:16	10/26/16 18:33	2
Benzo[g,h,i]perylene	0.84		0,021		mg/Kg	₽	10/26/16 15:16	10/26/16 18:33	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		23 - 120				10/26/16 15:16	10/26/16 18:33	2
2-Fluorobiphenyl (Surr)	67		38 - 123				10/26/16 15:16	10/26/16 18:33	2
p-Terphenyl-d14	102		68 - 136				10/26/16 15:16	10/26/16 18:33	2
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	Φ	10/27/16 09:52	10/27/16 13:04	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	ø	10/27/16 09:52	10/27/16 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 <sub>-</sub> 150				10/27/16 09:52	10/27/16 13:04	1
n-Triacontane-d62	97		50 - 150				10/27/16 09:52	10/27/16 13:04	1
Method: 6010C - Metals (ICP) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

TestAmerica Spokane

10/27/2016

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

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

Lab Sample ID: MB 590-9276/1-A

Matrix: Solid

Analysis Batch: 9277

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9276

	MB I	MB					
Analyte	Result (	Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0,010	mg/Kg		10/26/16 07:32	10/26/16 09:04	1
2-Methylnaphthalene	ND	0.010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
1-Methylnaphthalene	ND	0,010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Acenaphthylene	ND	0,010	mg/Ko	l	10/26/16 07:32	10/26/16 09:04	1
Acenaphthene	ND	0,010	mg/Kg	l	10/26/16 07:32	10/26/16 09:04	1
Fluorene	ND	0.010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Phenanthrene	ND	0.010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Anthracene	ND	0,010	mg/Kg	}	10/26/16 07:32	10/26/16 09:04	1
Fluoranthene	ND	0.010	mg/Kg	3	10/26/16 07:32	10/26/16 09:04	1
Pyrene	ND	0.010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Benzo[a]anthracene	ND	0,010	mg/Kg	1	10/26/16 07:32	10/26/16 09:04	1
Chrysene	ND	0.010	mg/Kg	1	10/26/16 07:32	10/26/16 09:04	1
Benzo[b]fluoranthene	ND	0,010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Benzo[k]fluoranthene	ND	0_010	mg/Kg	I	10/26/16 07:32	10/26/16 09:04	1
Benzo[a]pyrene	ND	0.010	mg/Kg	)	10/26/16 07:32	10/26/16 09:04	1
Indeno[1,2,3-cd]pyrene	ND	0.010	mg/Kg	1	10/26/16 07:32	10/26/16 09:04	1
Dibenz(a,h)anthracene	ND	0.010	mg/Kg	3	10/26/16 07:32	10/26/16 09:04	1
Benzo[g,h,i]perylene	ND	0.010	mg/Kg	)	10/26/16 07:32	10/26/16 09:04	1
	MB	MB					

Limits

23 - 120

38 - 123

68 - 136

Qualifier

%Recovery

40

67

109

Lab Sample ID: LCS 590-9276/2-A

Matrix: Solid

Surrogate

Nitrobenzene-d5

2-Fluorobiphenyl (Surr) p-Terphenyl-d14

Analysis Batch: 9277

Client	Sample	ID:	Lab	Contro	1	Sample	
			_	_			

Analyzed

10/26/16 09:04

10/26/16 09:04

10/26/16 09:04

Prepared

10/26/16 07:32

10/26/16 07:32

10/26/16 07:32

Prep Type: Total/NA Prep Batch: 9276

Dil Fac

LCS LCS %Rec. Spike %Rec Result Qualifler Limits Analyte Added Unit D 41 - 121 Naphthalene 0.267 0.184 mg/Kg 69 0.267 0.213 mg/Kg 80 39 - 132 2-Methylnaphthalene 46 - 131 74 1-Methylnaphthalene 0.267 0.196 mg/Kg 56 - 123 76 Acenaphthylene 0.267 0.203 mg/Kg 43 - 140 Acenaphthene 0.267 0.206 mg/Kg 77 54 - 131 Fluorene 0.267 0.224 mg/Kg 86 55 - 141 Phenanthrene 0.267 0.228 mg/Kg Anthracene 0,267 0.237 mg/Kg 89 60 - 129 Fluoranthene 0.267 0.231 mg/Kg 86 63 - 141 Pyrene 78 62 - 139 0.267 0.207 mg/Kg 61 - 136 Benzo[a]anthracene 0.267 0.231 mg/Kg 86 Chrysene 0,267 0.224 mg/Kg 84 57 - 144 Benzo[b]fluoranthene 0.267 0.236 mg/Kg 88 66 - 141 Benzo[k]fluoranthene 0.267 0.216 mg/Kg 81 63 - 150 83 60 - 133 Benzo[a]pyrene 0.267 0.222 mg/Kg Indeno[1,2,3-cd]pyrene 0.267 0.227 mg/Kg 85 55 - 142 0.267 0.225 84 60 - 150 Dibenz(a,h)anthracene mg/Kg 58 - 147 0.267 0.224 mg/Kg Benzo[g,h,i]perylene

TestAmerica Spokane

10/27/2016

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

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

Lab Sample ID: LCS 590-9276/2-A

Analysis Batch: 9277

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9276

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	58		23 - 120
2-Fluorobiphenyl (Surr)	82		38 - 123
p-Terphenyl-d14	100		68 - 136

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

Lab Sample ID: MB 590-9302/1-A

Matrix: Solid

Analysis Batch: 9305

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9302

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/27/16 09:52	10/27/16 11:21	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		10/27/16 09:52	10/27/16 11:21	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95	50 - 150	10/27/16 09:52	10/27/16 11:21	1
n-Triacontane-d62	86	50 - 150	 10/27/16 09:52	10/27/16 11:21	1

Lab Sample ID: LCS 590-9302/2-A

Matrix: Solid

Analysis Ratch: 9305

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9302

Analysis batch: 9305									Fieh	Datcii. 3302
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO) (C10-C25)			67.1	65.2		mg/Kg		97	50 _ 150	
Residual Range Organics (RRO) (C25-C36)			66.8	68.7		mg/Kg		103	50 - 150	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	97		50 - 150
n-Triacontane-d62	95		50 _ 150

Lab Sample ID: 590-4813-1 DU

Matrix: Solid

Analysis Batch: 9304

Client Sample ID: C-10

Prep Type: Total/NA

Prep Batch: 9302

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifler	Unit	D	RPD	Limit
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	贷	37	40
Residual Range Organics (RRO)	ND		ND	F5	mg/Kg	ά	51	40

(C25-C36)

	טס	DU	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	94		50 - 150
n-Triacontane-d62	83		50 - 150

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

											0114-0	In ID.	80 - 41 J	. DII
Lab Sample ID: MB 590-9292/2-A										(	Client Sa	ample ID:		
Matrix: Solid													ype: To	
Analysis Batch: 9309		мв мв										Pre	p Batch	1. 929.
Analyte	D.	esult Qualifier		RL		MDL	Unit		D	Pr	epared	Analyz	ed	Dil Fa
Lead	100	ND	-	1.3	_		mg/Kg				6/16 14:29	10/27/16		- Dilliu
				125										
Lab Sample ID: LCS 590-9292/1-A									Clie	nt	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid												Prep T	ype: To	tal/N
Analysis Batch: 9309												Pre	p Batch	ո։ 929
-			Spike		LCS	LCS						%Rec.		
Analyte			Added		Result	Quali	fier	Unit		)	%Rec	Limits		
Lead			50.0		51.3			mg/Kg			103	80 - 120		
Lab Sample ID: 590-4813-1 MS												Client Sa	mple IE	D: C-1
Matrix: Solid												Prep T	ype: To	otal/N
Analysis Batch: 9309												Pre	p Batch	ո։ 929
	Sample	Sample	Spike		MS	MS						%Rec.		
Analyte	Result	Qualifier	Added		Result	Quali	fier	Unit			%Rec	Limits		
Lead	8.0		47.8		62.5			mg/Kg	X	Ä	114	75 - 125		
Lab Sample ID: 590-4813-1 MSD												Client Sa	mple IE	D: C-1
Matrix: Solid												Prep T	ype: To	otal/N
Analysis Batch: 9309													p Batch	
		Sample	Spike			MSD						%Rec.		RP
Analyte		Qualifler	Added		Result	Quali	fier	Unit			%Rec	Limits	RPD	Lim
Lead	8.0		48.3		56.7			mg/Kg	Ĭ,	‡	101	75 - 125	10	2
Lab Sample ID: 590-4813-1 DU												Client Sa	mple II	D: C-1
Matrix: Solid												Prep T	ype: To	otal/N
Analysis Batch: 9309												Pre	p Batch	n: 929
	Sample	Sample			DU	DU								RP
Analyte	Result	Qualifier			Result	Quali	fier	Unit		)			RPD	Lim
Lead	8.0				7.89			mg/Kg	I	ĢF.			1	21

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

Client Sample ID: C-10

Lab Sample ID: 590-4813-1

Matrix: Solid

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client Sample ID: C-10

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Lab Sample ID: 590-4813-1

Matrix: Solid Percent Solids: 92.5

		Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep	Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total	/NA	Prep	3550C			15.16 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total	/NA	Analysis	NWTPH-Dx		1			9304	10/27/16 11:21	NMI	TAL SPK
Total	/NA	Prep	3050B			1,36 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total	/NA	Analysis	6010C		5			9309	10/27/16 12:57	JSP	TAL SPK

Client Sample ID: C-11

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client Sample ID: C-11

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-2

Lab Sample ID: 590-4813-2

Matrix: Solid Percent Solids: 93.9

	Batch	Batch		Dif	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 15:56	NMI	TAL SPK
Total/NA	Prep	3550C			15.37 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9304	10/27/16 11:52	NMI	TAL SPK
Total/NA	Prep	3050B			1.17 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:09	JSP	TAL SPK

Client Sample ID: C-12

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

Client Sample ID: C-12

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-3

Matrix: Solid

Matrix: Solid

Percent Solids: 94.2

Percent Solids: 93.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 16:21	NMI	TAL SPK
Total/NA	Prep	3550C			15.02 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		4			9304	10/27/16 12:10	NMI	TAL SPK
Total/NA	Prep	3050B			1,29 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:11	JSP	TAL SPK

Lab Sample ID: 590-4813-4 Client Sample ID: C-13 Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Prepared Batch Batch Dil Initial Final Batch Method Run Factor Amount Number or Analyzed Analyst Lab Type Amount Prep Type Total/NA Analysis Moisture 9293 10/26/16 14:52 JSP TAL SPK

Lab Sample ID: 590-4813-4 Client Sample ID: C-13 Matrix: Solid Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Initial Final Batch Prepared Batch Batch Dil Method Amount Amount Number or Analyzed Analyst Lab Prep Type Type Run Factor EAF TAL SPK Total/NA Prep 3550C 15,23 g 5 mL 9302 10/27/16 09:52 NMI TAL SPK NWTPH-Dx 9305 10/27/16 11:52 Total/NA Analysis 1 JSP TAL SPK Total/NA Prep 3050B 1.45 g 50 mL 9292 10/26/16 14:29 Total/NA Analysis 6010C 5 9309 10/27/16 13:21 JSP TAL SPK

Lab Sample ID: 590-4813-5 Client Sample ID: C-14

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Final Prepared DII Initial Batch Batch Batch Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep Type Type 9293 10/26/16 14:52 JSP TAL SPK Total/NA Analysis Moisture

Lab Sample ID: 590-4813-5 Client Sample ID: C-14

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Matrix: Solid

Percent Solids: 93.5

Matrix: Solid

	Batch	Batch		Dif	Initial	Finat	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.29 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9305	10/27/16 12:10	NMI	TAL SPK
Total/NA	Prep	3050B			1.66 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:24	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-17

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-6

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client Sample ID: C-17

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-6

Matrix: Solid Percent Solids: 91.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 16:48	NMI	TAL SPK
Total/NA	Prep	3550C			15.59 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9305	10/27/16 12:28	NMI	TAL SPK
Total/NA	Prep	3050B			1.23 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:26	JSP	TAL SPK

Client Sample ID: C-19

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Lab Sample ID: 590-4813-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client Sample ID: C-19

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-7

Matrix: Solid

Percent Solids: 89.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.07 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 17:14	NMI	TAL SPK
Total/NA	Prep	3550C			15.83 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9305	10/27/16 12:46	NMI	TAL SPK
Total/NA	Prep	3050B			1.48 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:28	JSP	TAL SPK

Client Sample ID: C-36

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

ab :	Samp	le ID	: 590	)-481	3-8
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4813-1

Client Sample ID: C-36

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-8

Matrix: Solid

Percent Solids: 90.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15,29 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		2			9277	10/26/16 17:40	NMI	TAL SPK
Total/NA	Prep	3550C			15,38 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9304	10/27/16 12:46	NMI	TAL SPK
Total/NA	Prep	3050B			1,34 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:30	JSP	TAL SPK

Lab Sample ID: 590-4813-9

Matrix: Solid

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Date Received: 10/26/16 14:10

Client Sample ID: C-37

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9293	10/26/16 14:52	JSP	TAL SPK

Client Sample ID: C-37 Date Collected: 10/26/16 00:00 Lab Sample ID: 590-4813-9 Matrix: Solid

Matrix: Solid

Percent Solids: 83.7

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15,58 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		20			9277	10/26/16 18:07	NMI	TAL SPK
Total/NA	Prep	3550C			15.08 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		5			9304	10/27/16 12:28	NMI	TAL SPK
Total/NA	Prep	3050B			1,31 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:33	JSP	TAL SPK

Lab Sample ID: 590-4813-10 Client Sample ID: C-38

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Batch Batch Dil Initial Final Batch Prepared Number or Analyzed Analyst Lab Method Run Amount Amount Ргер Туре Type Factor

JSP TAL SPK 9293 10/26/16 14:52 Total/NA Analysis Moisture

Lab Sample ID: 590-4813-10 Client Sample ID: C-38 Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10

Matrix: Solid Percent Solids: 88.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.76 g	2 mL	9276	10/26/16 15:16	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		2			9277	10/26/16 18:33	NMI	TAL SPK
Total/NA	Prep	3550C			15.79 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9304	10/27/16 13:04	NMI	TAL SPK
Total/NA	Prep	3050B			1.31 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-38

Date Collected: 10/26/16 00:00 Date Received: 10/26/16 14:10 Lab Sample ID: 590-4813-10

Matrix: Solid

Percent Solids: 88.7

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		5			9309	10/27/16 13:35	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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#### **Certification Summary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		EPA Region	Certification ID	Expiration Date	
Nashington	State Prog	State Program		C569	01-06-17	
The following analytes	are included in this report, bu	t certification is not offe	red by the governing a	uthority:		
The following analytes analysis Method	are included in this report, bu Prep Method	t certification is not offe Matrix	red by the governing a Analyt			
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#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4813-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
3010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### **Protocol References:**

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane

10/27/2016

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spekane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auport Rd Ste A10, Anchorage, AK 99502-1119

503-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

10/27/2016

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MULC INVOICE TO:  EQUITIONS NO. ILLC  POLNUMBER:  PRESERVATIVE  PRESERVATIVE  PRESERVATIVE  REQUESTED ANALYSES  ANAPLING		×	×	C-11
INVOICE TO:    FOUNDMER:   PRESERVATIVE		$\times$	X allado	C-10
MU, LLC  ROUMBER:  PO. NUMBER:  PRESERVATIVE  REQUESTED ANALYSES  REQUESTED ANALYSES	# OF LOCATION/ CONT. COMMENTS		SAMPLING DATE/TIME	CLIENT SAMPLE IDENTIFICATION
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PCI. NUMBER: INVOICE TO:	5 4 3			ROJECT NAME: Sisters
Earth Solutions NW, LLC	Petroleum Hydrocarbon	P.O. NUMBER:	×	HONE: (415) 784-3300
S NW, LLC INVOICE TO:	رد د	Earth Soluti	ינט	EPORT TO: TEd SYKE
	TURNAROUND REQUEST	INVOICE TO:	as NW, LLC	LIENTE FRANCES TOOL

Login Number: 4813 List Number: 1

Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

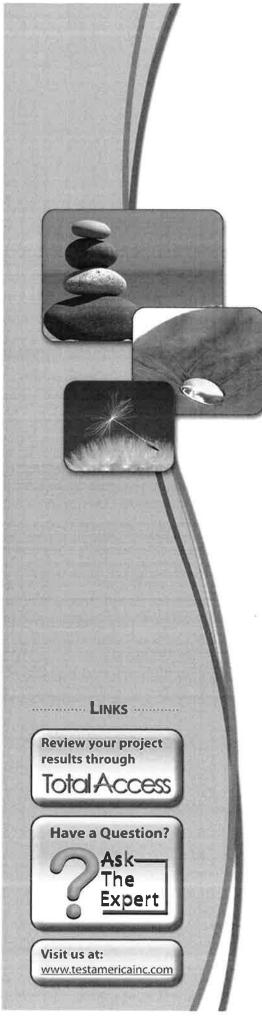
True

N/A

12

Samples do not require splitting or compositing.

Residual Chlorine Checked.



# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

#### **ANALYTICAL REPORT**

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4845-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 10/31/2016 3:57:22 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

tande trington

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Job ID: 590-4845-1

Laboratory: TestAmerica Spokane

**Narrative** 

Receipt

The samples were received on 10/28/2016 3:33 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

#### GC/MS Semi VOA

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

#### GC Semi VOA

Method NWTPH-Dx: The following sample required a dilution due to the nature of the sample matrix: C-20 (590-4845-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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.

TestAmerica Spokane 10/31/2016

#### **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4845-1	C-36A	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-2	C-37A	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-3	C-38A	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-4	C-31A	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-5	C-18	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-6	C-20	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-7	C-21	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-8	C-22	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-9	C-23	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-10	C-29A	Solid	10/28/16 00:00	10/28/16 15:33

#### **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

#### Qualifiers

#### GC Semi VOA

Qualifier Qualifier Description

X Surrogate is outside control limits

#### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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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: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4845-1

TestAmerica Job ID: 590-4845-1

Matrix: Solid

Percent Solids: 89.8

Client Sample ID: C-36A Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.013		0,011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:00	1
2-Methylnaphthalene	ND		0.011		mg/Kg	Ħ	10/28/16 15:49	10/28/16 17:00	1
1-Methylnaphthalene	ND		0.011		mg/Kg	Ð	10/28/16 15:49	10/28/16 17:00	1
Acenaphthylene	ND		0.011		mg/Kg	Ð	10/28/16 15:49	10/28/16 17:00	1
Acenaphthene	0.023		0.011		mg/Kg	Œ	10/28/16 15:49	10/28/16 17:00	1
Fluorene	0.013		0.011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:00	1
Phenanthrene	0.21		0.011		mg/Kg	₽	10/28/16 15:49	10/28/16 17:00	1
Anthracene	0.051		0.011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:00	1
Fluoranthene	0.87		0.011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:00	1
Pyrene	0.81		0.011		mg/Kg	₽¥.	10/28/16 15:49	10/28/16 17:00	1
Benzo[a]anthracene	0.78		0.011		mg/Kg	₽	10/28/16 15:49	10/28/16 17:00	1
Chrysene	0.89		0.011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:00	1
Benzo[b]fluoranthene	1.4		0,011		mg/Kg	Ä	10/28/16 15:49	10/28/16 17:00	1
Benzo[k]fluoranthene	0.50		0.011		mg/Kg	Ø	10/28/16 15:49	10/28/16 17:00	1
Benzo[a]pyrene	0.97		0.011		mg/Kg	n-	10/28/16 15:49	10/28/16 17:00	1
Indeno[1,2,3-cd]pyrene	0.41		0.011		mg/Kg	n	10/28/16 15:49	10/28/16 17:00	1
Dibenz(a,h)anthracene	0.15		0.011		mg/Kg	D.	10/28/16 15:49	10/28/16 17:00	1
Benzo[g,h,i]perylene	0.40		0.011		mg/Kg	Ð	10/28/16 15:49	10/28/16 17:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	47		23 - 120				10/28/16 15:49	10/28/16 17:00	1
2-Fluorobiphenyl (Surr)	66		38 - 123				10/28/16 15:49	10/28/16 17:00	1
p-Terphenyl-d14	92		68 - 136				10/28/16 15:49	10/28/16 17:00	1

Client Sample ID: C-37A
Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-2 Matrix: Solid

Percent Solids: 92.3

Analyte	Result Quali	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.012	0.011		mg/Kg	Ħ	10/28/16 15:49	10/28/16 17:24	1
2-Methylnaphthalene	ND	0.011		mg/Kg	TI:	10/28/16 15:49	10/28/16 17:24	1
1-Methylnaphthalene	ND	0.011		mg/Kg	Œ	10/28/16 15:49	10/28/16 17:24	1
Acenaphthylene	ND	0.011		mg/Kg	D.	10/28/16 15:49	10/28/16 17:24	1
Acenaphthene	0.029	0.011		mg/Kg	æ	10/28/16 15:49	10/28/16 17:24	1
Fluorene	0.013	0.011		mg/Kg	#	10/28/16 15:49	10/28/16 17:24	1
Phenanthrene	0.26	0.011		mg/Kg	以	10/28/16 15:49	10/28/16 17:24	1
Anthracene	0.069	0,011		mg/Kg	팠	10/28/16 15:49	10/28/16 17:24	1
Fluoranthene	1.1	0.011		mg/Kg	Ω	10/28/16 15:49	10/28/16 17:24	1
Pyrene	0.93	0.011		mg/Kg	₽.	10/28/16 15:49	10/28/16 17:24	1
Benzo[a]anthracene	0.82	0,011		mg/Kg	Ħ	10/28/16 15:49	10/28/16 17:24	1
Chrysene	0.91	0,011		mg/Kg	Ø	10/28/16 15:49	10/28/16 17:24	1
Benzo[b]fluoranthene	1.4	0.011		mg/Kg	₩	10/28/16 15:49	10/28/16 17:24	1
Benzo[k]fluoranthene	0.46	0.011		mg/Kg	₽\$	10/28/16 15:49	10/28/16 17:24	1
Benzo[a]pyrene	0.94	0.011		mg/Kg	Ħ	10/28/16 15:49	10/28/16 17:24	1
Indeno[1,2,3-cd]pyrene	0.43	0.011		mg/Kg	Ð	10/28/16 15:49	10/28/16 17:24	1
Dibenz(a,h)anthracene	0.15	0.011		mg/Kg	Þ	10/28/16 15:49	10/28/16 17:24	1
Benzo[g,h,i]perylene	0.43	0.011		mg/Kg	<b>D</b>	10/28/16 15:49	10/28/16 17:24	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-37A

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-2

Matrix: Solid Percent Solids: 92.3

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	41	23 - 120	10/28/16 15:49	10/28/16 17:24	1
2-Fluorobiphenyl (Surr)	63	38 - 123	10/28/16 15:49	10/28/16 17:24	1
p-Terphenyl-d14	92	68 - 136	10/28/16 15:49	10/28/16 17:24	1

Lab Sample ID: 590-4845-3

Matrix: Solid Percent Solids: 94.8

Client Sample ID: C-38A Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Method: 8270D SIM - Sem Analyte	Result C		` RL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010	mg/Kg	Ω.	10/28/16 15:49	10/28/16 17:50	1
2-Methylnaphthalene	ND		0.010	mg/Kg	-Œ-	10/28/16 15:49	10/28/16 17:50	1
1-Methylnaphthalene	ND		0.010	mg/Kg	D.	10/28/16 15:49	10/28/16 17:50	1
Acenaphthylene	ND		0.010	mg/Kg	-103-	10/28/16 15:49	10/28/16 17:50	1
Acenaphthene	ND		0.010	mg/Kg	₩.	10/28/16 15:49	10/28/16 17:50	1
Fluorene	ND		0.010	mg/Kg	₩	10/28/16 15:49	10/28/16 17:50	1
Phenanthrene	0.013		0.010	mg/Kg	Ø	10/28/16 15:49	10/28/16 17:50	1
Anthracene	ND		0.010	mg/Kg	₩	10/28/16 15:49	10/28/16 17:50	1
Fluoranthene	0.040		0.010	mg/Kg	₩.	10/28/16 15:49	10/28/16 17:50	1
Pyrene	0.036		0.010	mg/Kg	Ø	10/28/16 15:49	10/28/16 17:50	1
Benzo[a]anthracene	0.033		0.010	mg/Kg	Ð	10/28/16 15:49	10/28/16 17:50	31
Chrysene	0.042		0.010	mg/Kg	ĬŒ:	10/28/16 15:49	10/28/16 17:50	1
Benzo[b]fluoranthene	0.062		0.010	mg/Kg	₽	10/28/16 15:49	10/28/16 17:50	11
Benzo[k]fluoranthene	0.021		0.010	mg/Kg	₩.	10/28/16 15:49	10/28/16 17:50	1
Benzo[a]pyrene	0.041		0.010	mg/Kg	Ä	10/28/16 15:49	10/28/16 17:50	1
Indeno[1,2,3-cd]pyrene	0.020		0.010	mg/Kg	Ð	10/28/16 15:49	10/28/16 17:50	1
Dibenz(a,h)anthracene	ND		0.010	mg/Kg	Ħ	10/28/16 15:49	10/28/16 17:50	1
Benzo[g,h,i]perylene	0.020		0.010	mg/Kg	æ	10/28/16 15:49	10/28/16 17:50	1
Surrogate	%Recovery (	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	41		23 - 120			10/28/16 15:49	10/28/16 17:50	1
2-Fluorobiphenyl (Surr)	60		38 - 123			10/28/16 15:49	10/28/16 17:50	1
p-Terphenyl-d14	86		68 - 136			10/28/16 15:49	10/28/16 17:50	1

Client Sample ID: C-31A Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-4

Matrix: Solid Percent Solids: 87.2

Analyte	Result Qualifier	RL	MDL Uni	it	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.031	0.023	mg/	/Kg	₩.	10/28/16 15:49	10/28/16 18:16	2
2-Methylnaphthalene	ND	0.023	mg/	/Kg	Œ	10/28/16 15:49	10/28/16 18:16	2
1-Methylnaphthalene	ND	0.023	mg/	/Kg	177	10/28/16 15:49	10/28/16 18:16	2
Acenaphthylene	ND	0.023	mg/	/Kg	D.	10/28/16 15:49	10/28/16 18:16	2
Acenaphthene	0.050	0.023	mg/	/Kg	177	10/28/16 15:49	10/28/16 18:16	2
Fluorene	0.030	0.023	mg/	/Kg	Ð	10/28/16 15:49	10/28/16 18:16	2
Phenanthrene	0.70	0.023	mg	/Kg	₹Ç-	10/28/16 15:49	10/28/16 18:16	2
Anthracene	0.17	0.023	mg	/Kg	D-	10/28/16 15:49	10/28/16 18:16	2
Fluoranthene	2.7	0.023	mg	/Kg	125	10/28/16 15:49	10/28/16 18:16	2
Pyrene	2.4	0.023	mg	/Kg	101-	10/28/16 15:49	10/28/16 18:16	2
Benzolalanthracene	2.3	0.023	mg.	/Kg	725	10/28/16 15:49	10/28/16 18:16	2

TestAmerica Spokane

10/31/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4845-4

TestAmerica Job ID: 590-4845-1

Lab Sample ID: 590-4845-4 Matrix: Solid

Percent Solids: 87.2

Client Sample ID: C-31A
Date Collected: 10/28/16 00:00
Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.6		0.023		mg/Kg	Ţ.	10/28/16 15:49	10/28/16 18:16	2
Benzo[b]fluoranthene	4.1		0.023		mg/Kg	₩	10/28/16 15:49	10/28/16 18:16	2
Benzo[k]fluoranthene	1.2		0.023		mg/Kg	Ü	10/28/16 15:49	10/28/16 18:16	2
Benzo[a]pyrene	2.6		0.023		mg/Kg	Ø	10/28/16 15:49	10/28/16 18:16	2
Indeno[1,2,3-cd]pyrene	1.1		0.023		mg/Kg	Þ	10/28/16 15:49	10/28/16 18:16	2
Dibenz(a,h)anthracene	0.45		0.023		mg/Kg	₩	10/28/16 15:49	10/28/16 18:16	2
Benzo[g,h,i]perylene	1.2		0.023		mg/Kg	₩	10/28/16 15:49	10/28/16 18:16	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	32		23 - 120				10/28/16 15:49	10/28/16 18:16	2
2-Fluorobiphenyl (Surr)	56		38 - 123				10/28/16 15:49	10/28/16 18:16	2
p-Terphenyl-d14	85		68 - 136				10/28/16 15:49	10/28/16 18:16	2

Client Sample ID: C-18

Date Collected: 10/28/16 00:00

Lab Sample ID: 590-4845-5

Matrix: Solid

Date Collected: 10/28/16 00:00 Matrix: Solid
Date Received: 10/28/16 15:33 Percent Solids: 98.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		9.9		mg/Kg	Ø	10/31/16 08:17	10/31/16 12:51	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	Ø	10/31/16 08:17	10/31/16 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				10/31/16 08:17	10/31/16 12:51	1
n-Triacontane-d62	83		50 _ 150				10/31/16 08:17	10/31/16 12:51	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		5.0		mg/Kg	<u> </u>	10/28/16 11:01	10/31/16 14:40	5

Client Sample ID: C-20

Date Collected: 10/28/16 00:00

Lab Sample ID: 590-4845-6

Matrix: Solid

Date Received: 10/28/16 15:33 Percent Solids: 90.7

Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.87	0.21		mg/Kg	₽.	10/28/16 15:49	10/28/16 18:43	20
2-Methylnaphthalene	0.38	0.21		mg/Kg	₩.	10/28/16 15:49	10/28/16 18:43	20
1-Methylnaphthalene	0.31	0.21		mg/Kg	Ö	10/28/16 15:49	10/28/16 18:43	20
Acenaphthylene	ND	0.21		mg/Kg	Ħ	10/28/16 15:49	10/28/16 18:43	20
Acenaphthene	2.5	0.21		mg/Kg	₩	10/28/16 15:49	10/28/16 18:43	20
Fluorene	0.82	0,21		mg/Kg	Ŭ.	10/28/16 15:49	10/28/16 18:43	20
Phenanthrene	15	0.21		mg/Kg	Ð	10/28/16 15:49	10/28/16 18:43	20
Anthracene	4.2	0.21		mg/Kg	亞	10/28/16 15:49	10/28/16 18:43	20
Fluoranthene	62	1.1		mg/Kg	₽	10/28/16 15:49	10/31/16 12:26	100
Pyrene	59	1,1		mg/Kg	Ø	10/28/16 15:49	10/31/16 12:26	100
Benzo[a]anthracene	58	1.1		mg/Kg	₩.	10/28/16 15:49	10/31/16 12:26	100
Chrysene	68	1.1		mg/Kg	Ø	10/28/16 15:49	10/31/16 12:26	100
Benzo[b]fluoranthene	110	1,1		mg/Kg	Ø	10/28/16 15:49	10/31/16 12:26	100

Client: Earth Solutions NW LLC
TestAmerica Job ID: 590-4845-1

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-20 Lab Sample ID: 590-4845-6

 Date Collected: 10/28/16 00:00
 Matrix: Solid

 Date Received: 10/28/16 15:33
 Percent Solids: 90.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	35		0.21		mg/Kg	Ø	10/28/16 15:49	10/28/16 18:43	20
Benzo[a]pyrene	72		1,1		mg/Kg	₩	10/28/16 15:49	10/31/16 12:26	100
Indeno[1,2,3-cd]pyrene	34		0,21		mg/Kg	亞	10/28/16 15:49	10/28/16 18:43	20
Dibenz(a,h)anthracene	12		0.21		mg/Kg	口	10/28/16 15:49	10/28/16 18:43	20
Benzo[g,h,i]perylene	32		0.21		mg/Kg	₩	10/28/16 15:49	10/28/16 18:43	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		23 - 120				10/28/16 15:49	10/28/16 18:43	20
Nitrobenzene-d5	85		23 - 120				10/28/16 15:49	10/31/16 12:26	100
2-Fluorobiphenyl (Surr)	73		38 - 123				10/28/16 15:49	10/28/16 18:43	20
2-Fluorobiphenyl (Surr)	75		38 - 123				10/28/16 15:49	10/31/16 12:26	100
	400		00 400				10/28/16 15:40	10/28/16 18:43	20
p-Terphenyl-d14	102		68 - 136				10/20/10 13.49	10/20/10 10.40	
p-Terphenyl-d14 p-Terphenyl-d14	120		68 - 136					10/31/16 12:26	
p-Terphenyl-d14	120		68 - 136	ucts (G0	C)				100
p-Terphenyl-d14  Method: NWTPH-Dx - Northwe	120 est - Semi-V		68 - 136	•	C) Unit	D			100
p-Terphenyl-d14  Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO)	120 est - Semi-V	olatile Pet	68 - 136	•	,	D ¤	10/28/16 15:49	10/31/16 12:26	100
p-Terphenyl-d14  Method: NWTPH-Dx - Northwe Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	120 est - Semi-V Result	olatile Pet	68 - 136 roleum Prod RL	•	Únit		10/28/16 15:49  Prepared	10/31/16 12:26  Analyzed 10/31/16 13:09	Dil Fac
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	120 est - Semi-V Result 560	olatile Pet Qualifier	68-136 roleum Prodi	•	<b>Únit</b> mg/Kg	¤	10/28/16 15:49  Prepared 10/31/16 08:17	10/31/16 12:26  Analyzed 10/31/16 13:09	100 Dil Fac 20
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	120 est - Semi-V Result 560 2100	olatile Pet Qualifier	68-136  roleum Prodi RL 210 540	•	<b>Únit</b> mg/Kg	¤	Prepared 10/31/16 08:17 10/31/16 08:17	Analyzed 10/31/16 13:09 10/31/16 13:09 Analyzed	Dil Fac
Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate o-Terphenyl	est - Semi-V Result 560 2100 %Recovery	olatile Pet Qualifier Qualifier	68 - 136  roleum Prod RL 210 540 <i>Limits</i>	•	<b>Únit</b> mg/Kg	¤	Prepared 10/31/16 08:17 10/31/16 08:17 Prepared 10/31/16 08:17	Analyzed 10/31/16 13:09 10/31/16 13:09 Analyzed	Dil Fac
	120 est - Semi-V Result 560 2100  %Recovery 57	olatile Pet Qualifier Qualifier	68 - 136  roleum Prod RL 210 540  Limits 50 - 150	•	<b>Únit</b> mg/Kg	¤	Prepared 10/31/16 08:17 10/31/16 08:17 Prepared 10/31/16 08:17	Analyzed 10/31/16 13:09 10/31/16 13:09 Analyzed 10/31/16 13:09	1000  Dil Fac 200  Dil Fac 200  Dil Fac
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl n-Triacontane-d62	### 120  ###	olatile Pet Qualifier Qualifier	68 - 136  roleum Prod RL 210 540  Limits 50 - 150	MÒL	<b>Únit</b> mg/Kg	¤	Prepared 10/31/16 08:17 10/31/16 08:17 Prepared 10/31/16 08:17	Analyzed 10/31/16 13:09 10/31/16 13:09 Analyzed 10/31/16 13:09	

 Client Sample ID: C-21
 Lab Sample ID: 590-4845-7

 Date Collected: 10/28/16 00:00
 Matrix: Solid

 Date Received: 10/28/16 15:33
 Percent Solids: 93.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₽	10/31/16 08:17	10/31/16 13:27	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	₽	10/31/16 08:17	10/31/16 13:27	ñ
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				10/31/16 08:17	10/31/16 13:27	1
n-Triacontane-d62	88		50 - 150				10/31/16 08:17	10/31/16 13:27	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.2		4.0		mg/Kg	D.	10/28/16 16:40	10/31/16 14:45	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4845-8

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-22 Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 92.9

Method: NWTPH-Dx - Northwe Analyte		Qualifier	RL	•	•	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND	quanner	11	WIDE	mg/Kg	<u> </u>	10/31/16 08:17	10/31/16 13:45	1
(C10-C25) Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	₩	10/31/16 08:17	10/31/16 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				10/31/16 08:17	10/31/16 13:45	1
n-Triacontane-d62	88		50 - 150				10/31/16 08:17	10/31/16 13:45	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.2		5.3		mg/Kg	Ø	10/28/16 16:40	10/31/16 14:47	5

Client Sample ID: C-23

Lab Sample ID: 590-4845-9

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Matrix: Solid Percent Solids: 93.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	ZF	10/28/16 15:49	10/28/16 19:09	1
2-Methylnaphthalene	ND		0.010		mg/Kg	D:	10/28/16 15:49	10/28/16 19:09	1
1-Methylnaphthalene	ND		0.010		mg/Kg	TI:	10/28/16 15:49	10/28/16 19:09	1
Acenaphthylene	ND		0.010		mg/Kg	-127-	10/28/16 15:49	10/28/16 19:09	1
Acenaphthene	ND		0.010		mg/Kg	-125-	10/28/16 15:49	10/28/16 19:09	1
Fluorene	ND		0.010		mg/Kg	Ċ.	10/28/16 15:49	10/28/16 19:09	1
Phenanthrene	ND		0.010		mg/Kg	亞	10/28/16 15:49	10/28/16 19:09	1
Anthracene	ND		0.010		mg/Kg	T.	10/28/16 15:49	10/28/16 19:09	1
Fluoranthene	ND		0.010		mg/Kg	£Ct-	10/28/16 15:49	10/28/16 19:09	1
Pyrene	ND		0.010		mg/Kg	Œ	10/28/16 15:49	10/28/16 19:09	1
Benzo[a]anthracene	ND		0.010		mg/Kg	Ø	10/28/16 15:49	10/28/16 19:09	1
Chrysene	ND		0.010		mg/Kg	₩.	10/28/16 15:49	10/28/16 19:09	1
Benzo[b]fluoranthene	0.016		0.010		mg/Kg	-127-	10/28/16 15:49	10/28/16 19:09	1
Benzo[k]fluoranthene	0.013		0.010		mg/Kg	Ø	10/28/16 15:49	10/28/16 19:09	1
Benzo[a]pyrene	0.010		0.010		mg/Kg	Œ	10/28/16 15:49	10/28/16 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	101-	10/28/16 15:49	10/28/16 19:09	1
Dibenz(a,h)anthracene	ND	24.5	0.010		mg/Kg	Ċ.	10/28/16 15:49	10/28/16 19:09	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	Ø	10/28/16 15:49	10/28/16 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	30		23 - 120				10/28/16 15:49	10/28/16 19:09	1
2-Fluorobiphenyl (Surr)	53		38 - 123				10/28/16 15:49	10/28/16 19:09	1
p-Terphenyl-d14	91		68 - 136				10/28/16 15:49	10/28/16 19:09	1
Method: NWTPH-Dx - North						_			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	Ţ.	10/31/16 08:17	10/31/16 14:04	į.
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	#	10/31/16 08:17	10/31/16 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	90		50 - 150				10/31/16 08:17	10/31/16 14:04	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-23

Lab Sample ID: 590-4845-9

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Matrix: Solid Percent Solids: 93.8

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

Surrogate	%Recovery Qualifi	er Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	85	50 - 150	10/31/16 08:17	10/31/16 14:04	1

T							
Method: 6010C - Metals (ICP) Analyte	Result Qualifier	RL	MDL Ur	nit D	Prepared	Analyzed	Dil Fac
	10	5.2		a/Ka ☆	10/28/16 16:40	10/31/16 14:49	- 5
Lead	10	J.Z	mg	gritg -	10/20/10 10.40	10/31/10 14.43	•

Client Sample ID: C-29A Lab Sample ID: 590-4845-10

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Matrix: Solid
Percent Solids: 93.8

Analyte	nivolatile Organic Result	Qualifier	` RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	Ħ	10/28/16 15:49	10/28/16 19:35	1
2-Methylnaphthalene	ND		0.010		mg/Kg	₩.	10/28/16 15:49	10/28/16 19:35	1
1-Methylnaphthalene	ND		0.010		mg/Kg	₩	10/28/16 15:49	10/28/16 19:35	1
Acenaphthylene	ND		0.010		mg/Kg	₩.	10/28/16 15:49	10/28/16 19:35	1
Acenaphthene	ND		0.010		mg/Kg	₽	10/28/16 15:49	10/28/16 19:35	1
Fluorene	ND		0.010		mg/Kg	₩.	10/28/16 15:49	10/28/16 19:35	1
Phenanthrene	ND		0.010		mg/Kg	₩	10/28/16 15:49	10/28/16 19:35	1
Anthracene	ND		0.010		mg/Kg	n	10/28/16 15:49	10/28/16 19:35	1
Fluoranthene	ND		0.010		mg/Kg	跃	10/28/16 15:49	10/28/16 19:35	1
Pyrene	ND		0.010		mg/Kg	₽	10/28/16 15:49	10/28/16 19:35	1
Benzo[a]anthracene	ND		0.010		mg/Kg	₽	10/28/16 15:49	10/28/16 19:35	1
Chrysene	ND		0.010		mg/Kg	Ø	10/28/16 15:49	10/28/16 19:35	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	Ø	10/28/16 15:49	10/28/16 19:35	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	Ħ	10/28/16 15:49	10/28/16 19:35	1
Benzo[a]pyrene	ND		0.010		mg/Kg	Ħ	10/28/16 15:49	10/28/16 19:35	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	Ħ	10/28/16 15:49	10/28/16 19:35	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₽.	10/28/16 15:49	10/28/16 19:35	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₩	10/28/16 15:49	10/28/16 19:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		23 - 120				10/28/16 15:49	10/28/16 19:35	1
2-Fluorobiphenyl (Surr)	72		38-123				10/28/16 15:49	10/28/16 19:35	1
p-Terphenyl-d14	88		68 - 136				10/28/16 15:49	10/28/16 19:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	¤	10/31/16 08:33	10/31/16 14:04	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	¤	10/31/16 08:33	10/31/16 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	89		50 - 150				10/31/16 08:33	10/31/16 14:04	1
n-Triacontane-d62	95		50 - 150				10/31/16 08:33	10/31/16 14:04	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

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

Lab Sample ID: MB 590-9326/1-A Client Sample ID: Method Blank Matrix: Solid Prep Type: Total/NA Analysis Batch: 9325 Prep Batch: 9326 MB MB

	IMD	IMID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
2-Methylnaphthalene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
1-Methylnaphthalene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Acenaphthylene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Acenaphthene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Fluorene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Phenanthrene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Anthracene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Fluoranthene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Pyrene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Benzo[a]anthracene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Chrysene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Benzo[a]pyrene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		10/28/16 11:15	10/28/16 12:10	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	83		23-120	10/28/16 11:15	10/28/16 12:10	1
2-Fluorobiphenyl (Surr)	100		38-123	10/28/16 11:15	10/28/16 12:10	1
p-Terphenyl-d14	117		68-136	10/28/16 11:15	10/28/16 12:10	1

Lab Sample ID: LCS 590-9326/2-A

Matrix: Solid

Analysis Batch: 9325

Client	Sample	ID:	Lab	Contro	I Sample
			Prep	Type:	Total/NA

Prep Batch: 9326 Spike LCS LCS %Rec. D %Rec Analyte Added Result Qualifier Unit Limits Naphthalene 0.267 0.200 mg/Kg 75 41 - 121 2-Methylnaphthalene 0.267 0.225 mg/Kg 85 39 - 132 1-Methylnaphthalene 0.267 0.215 mg/Kg 80 46 - 131 Acenaphthylene 0.267 0.209 78 56 - 123 mg/Kg Acenaphthene 0.267 0.222 mg/Kg 83 43 - 140 Fluorene 0.267 0.229 mg/Kg 86 54 - 131 Phenanthrene 0.267 0.234 88 55 - 141 mg/Kg Anthracene 0.233 87 60 \_ 129 0.267 mg/Kg Fluoranthene 0.267 0.230 mg/Kg 86 63 - 141 Pyrene 0.267 0.217 81 62 - 139 mg/Kg Benzo[a]anthracene 0.267 0.237 89 61 - 136 mg/Kg Chrysene 0.267 0.238 mg/Kg 89 57 - 144 Benzo[b]fluoranthene 0.267 0.240 90 66 - 141 mg/Kg Benzo[k]fluoranthene 0.267 0.219 mg/Kg 82 63 - 150Benzo[a]pyrene 0.226 60 - 133 0.267 85 mg/Kg Indeno[1,2,3-cd]pyrene 0.267 0.235 mg/Kg 88 55 - 142 Dibenz(a,h)anthracene 0.267 0.227 85 60 - 150 mg/Kg Benzo[g,h,i]perylene 0.267 0.231 mg/Kg 87 58 - 147

TestAmerica Spokane

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10/31/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

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

Lab Sample ID: LCS 590-9326/2-A

Lab Sample ID: LCSD 590-9326/3-A

Matrix: Solid

Analysis Batch: 9325

Matrix: Solid

Client Sample ID: Lab Control Sample

TestAmerica Job ID: 590-4845-1

Prep Type: Total/NA

Prep Batch: 9326

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	71		23 - 120
2-Fluorobiphenyl (Surr)	88		38 - 123
p-Terphenyl-d14	101		68 - 136

Client Sample ID: Lab Control Sample Dup

88

84

83

86

85

66 - 141

63 - 150

60 - 133

55 - 142

60 - 150

58 - 147

2

3

2

2

0

35

35

35

35

35

35

Prep Type: Total/NA

Prep Batch: 9326

Analysis Batch: 9325 Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier D %Rec Limits RPD Limit Unit Analyte 0.267 0.192 5 35 mg/Kg 72 41 - 121 Naphthalene 2-Methylnaphthalene 0.267 0.221 mg/Kg 83 39 - 132 2 35 0.267 0.208 78 46 - 131 3 35 1-Methylnaphthalene mg/Kg 0.267 75 56 - 123 5 35 Acenaphthylene 0.199 mg/Kg 80 35 0.212 43 - 140 5 Acenaphthene 0.267 mg/Kg Fluorene 0.267 0.220 mg/Kg 82 54 - 131 4 35 35 Phenanthrene 0.267 0.232 mg/Kg 87 55 - 141 0 Anthracene 0.267 0.231 86 60 - 1291 35 mg/Kg Fluoranthene 0.267 0.228 mg/Kg 85 63 - 1411 35 Pyrene 0.267 0.210 mg/Kg 79 62 - 1393 35 Benzo[a]anthracene 0.267 0.231 mg/Kg 87 61 - 1362 35 0.235 57 - 144 35 Chrysene 0.267 mg/Kg 88 1

0.236

0.225

0.221

0.230

0.227

0.228

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

0.267

0.267

0.267

0.267

0.267

0.267

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	65		23 - 120
2-Fluorobiphenyl (Surr)	82		38 - 123
p-Terphenyl-d14	96		68 - 136

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

Lab Sample ID: MB 590-9345/1-A

Matrix: Solid

Benzo[b]fluoranthene

Benzo[k]fluoranthene

Indeno[1,2,3-cd]pyrene

Dibenz(a,h)anthracene

Benzo[g,h,i]perylene

Benzo[a]pyrene

Analysis Batch: 9351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9345

	MR	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		10/31/16 08:17	10/31/16 12:14	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		10/31/16 08:17	10/31/16 12:14	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				10/31/16 08:17	10/31/16 12:14	1

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

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

Lab Sample ID: MB 590-9345/1-A

Matrix: Solid

Analysis Batch: 9351

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9345

MB MB

%Recovery Qualifier Limits Surrogate 50 - 150 n-Triacontane-d62 97

Prepared 10/31/16 08:17 10/31/16 12:14

Analyzed Dil Fac

Lab Sample ID: LCS 590-9345/2-A

Matrix: Solid

Analysis Batch: 9351

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

Prep Batch: 9345

Spike LCS LCS Added Result Qualifier Unit D %Rec Limits **Analyte** 50 - 150 67.1 71.6 mg/Kg 107 Diesel Range Organics (DRO) (C10-C25) 66.8 77.8 mg/Kg 116 50 - 150 Residual Range Organics (RRO) (C25-C36)

LCS LCS

Surrogate %Recovery Qualifier Limits 50 - 150 o-Terphenyl 94 n-Triacontane-d62 96 50 - 150

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 590-9345/3-A Matrix: Solid

Analysis Batch: 9351

Prep Type: Total/NA

Prep Batch: 9345

LCSD LCSD %Rec. **RPD** Spike Added Result Qualifier Unit D %Rec Limits RPD Limit Analyte 67.1 70.3 mg/Kg 105 50 - 150 2 25 Diesel Range Organics (DRO) (C10-C25) 2 66.8 mg/Kg 50 - 15025 76.1 114 Residual Range Organics (RRO)

(C25-C36)

LCSD LCSD

%Recovery Qualifier Limits Surrogate o-Terphenyl 87 50 - 150 n-Triacontane-d62 94 50 - 150

#### Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9324/2-A

MR MR

Matrix: Solid

Analysis Batch: 9365

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

Prep Batch: 9324

RL MDL Unit Analyzed Dil Fac Result Qualifier Prepared Analyte 1.3 10/28/16 11:01 10/31/16 14:02 ND Lead mg/Kg

Lab Sample ID: LCS 590-9324/1-A

Matrix: Solid

Analysis Batch: 9365

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9324

Spike LCS LCS %Rec. Added Result Qualifier Unit %Rec Limits Analyte 101 80 - 120 50.0 50.6 mg/Kg Lead

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Lab Sample ID: 590-4845-1 Client Sample ID: C-36A Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture		1		-	9344	10/28/16 15:56	EAF	TAL SPK	

Lab Sample ID: 590-4845-1 Client Sample ID: C-36A

Date Collected: 10/28/16 00:00 Matrix: Solid Date Received: 10/28/16 15:33 Percent Solids: 89.8

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run Factor Amount **Amount** Number or Analyzed **Analyst** Lab

9326 10/28/16 15:49 TAL SPK Total/NA Prep 3550C 15.42 g 2 mL 9325 10/28/16 17:00 NMI TAL SPK Total/NA 8270D SIM Analysis 1

Lab Sample ID: 590-4845-2 Client Sample ID: C-37A Date Collected: 10/28/16 00:00 Matrix: Solid

Date Received: 10/28/16 15:33

Dil Initial Final Batch Prepared Batch Batch or Analyzed Method Run Factor Amount Number **Analyst** Lab Amount **Prep Type** Type 10/28/16 15:56 EAF TAL SPK 9344 Total/NA Analysis Moisture

Lab Sample ID: 590-4845-2 Client Sample ID: C-37A Matrix: Solid

Date Collected: 10/28/16 00:00

Percent Solids: 92.3 Date Received: 10/28/16 15:33

Batch Batch Dil Initial Final Batch Prepared Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep Type Type Total/NA 3550C 15.23 g 2 mL 9326 10/28/16 15:49 EAF TAL SPK Prep 9325 10/28/16 17:24 NMI TAL SPK Total/NA Analysis 8270D SIM 1

Lab Sample ID: 590-4845-3 Client Sample ID: C-38A Matrix: Solid

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Batch Batch Batch Dil Initial Final Prepared Number Analyst **Prep Type** Type Method Run **Factor** Amount Amount or Analyzed Lab 9344 10/28/16 15:56 EAF TAL SPK Total/NA Analysis Moisture

Lab Sample ID: 590-4845-3 Client Sample ID: C-38A

Matrix: Solid Date Collected: 10/28/16 00:00

Percent Solids: 94.8 Date Received: 10/28/16 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.72 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9325	10/28/16 17:50	NMI	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-31A Lab Sample ID: 590-4845-4

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-31A Lab Sample ID: 590-4845-4

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33 Percent Solids: 87.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		2			9325	10/28/16 18:16	NMI	TAL SPK

Client Sample ID: C-18 Lab Sample ID: 590-4845-5 Matrix: Solid

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-18 Lab Sample ID: 590-4845-5 Matrix: Solid

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Percent Solids: 98.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.49 g	5 mL	9345	10/31/16 08:17	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9355	10/31/16 12:51	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	9324	10/28/16 11:01	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9365	10/31/16 14:40	JSP	TAL SPK

Client Sample ID: C-20 Lab Sample ID: 590-4845-6

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Matrix: Solid

Batch Dif Initial Final Batch Batch Prepared Prep Type Type Method Run **Factor** Amount **Amount** Number or Analyzed Analyst Lab 10/28/16 15:56 EAF Total/NA Analysis Moisture 9344 TAL SPK

Client Sample ID: C-20 Lab Sample ID: 590-4845-6

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33 Percent Solids: 90.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		20			9325	10/28/16 18:43	NMI	TAL SPK
Total/NA	Prep	3550C			15,46 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-20

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-6

Matrix: Solid

Matrix: Solid

TAL SPK

Matrix: Solid

Matrix: Solid

Percent Solids: 93.9

Percent Solids: 90.7

Prep Type Total/NA	Batch Type Analysis	Batch Method 8270D SIM	Run	Dil Factor 100	Initial Amount	Final Amount	Batch Number 9348	Prepared or Analyzed 10/31/16 12:26	Analyst NMI	<b>Lab</b> TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		20	15.43 g	5 mL	9345 9355	10/31/16 08:17 10/31/16 13:09	NMI NMI	TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		5	1.33 g	50 mL	9324 9365	10/28/16 16:40 10/31/16 14:43		TAL SPK TAL SPK

Lab Sample ID: 590-4845-7 Client Sample ID: C-21

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Total/NA

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Amount Factor Amount Number or Analyzed **Analyst** Lab

Client Sample ID: C-21 Lab Sample ID: 590-4845-7

9344

10/28/16 15:56 EAF

Date Collected: 10/28/16 00:00

Analysis

Moisture

Date Received: 10/28/16 15:33

Batch Batch Dil Initial Final Batch Prepared Amount Prep Type Type Method Run **Factor** Amount Number or Analyzed Analyst Lab Prep Total/NA 3550C 9345 TAL SPK 15.52 g 5 mL 10/31/16 08:17 NMI Total/NA Analysis NWTPH-Dx 1 9355 10/31/16 13:27 NMI TAL SPK Total/NA Prep 3050B 9324 1.65 g 50 mL 10/28/16 16:40 JSP TAL SPK Total/NA Analysis 6010C 5 9365 10/31/16 14:45 JSP TAL SPK

Client Sample ID: C-22 Lab Sample ID: 590-4845-8

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Batch Batch Dil Initial Final Batch Prepared **Prep Type** Type Method Run **Factor** Amount Amount Number or Analyzed Analyst Lab Total/NA Analysis Moisture 9344 10/28/16 15:56 EAF TAL SPK

Client Sample ID: C-22 Lab Sample ID: 590-4845-8

Date Collected: 10/28/16 00:00

Matrix: Solid Date Received: 10/28/16 15:33 Percent Solids: 92.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.20 g	5 mL	9345	10/31/16 08:17	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9355	10/31/16 13:45	NMI	TAL SPK
Total/NA	Prep	3050B			1.26 g	50 mL	9324	10/28/16 16:40	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9365	10/31/16 14:47	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4845-9

TestAmerica Job ID: 590-4845-1

Matrix: Solid

Client Sample ID: C-23 Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Lab Sample ID: 590-4845-9 Client Sample ID: C-23

Date Collected: 10/28/16 00:00 Matrix: Solid

Percent Solids: 93.8 Date Received: 10/28/16 15:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9325	10/28/16 19:09	NMI	TAL SPK
Total/NA	Prep	3550C			15,94 g	5 mL	9345	10/31/16 08:17	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9355	10/31/16 14:04	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	9324	10/28/16 16:40	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9365	10/31/16 14:49	JSP	TAL SPK

Lab Sample ID: 590-4845-10 Client Sample ID: C-29A Matrix: Solid

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Batch Batch Dil Initial Final Batch Prepared Method **Amount** Amount Number or Analyzed Analyst Lab Prep Type Type Run **Factor** 9344 10/28/16 15:56 EAF TAL SPK Total/NA Analysis Moisture

Lab Sample ID: 590-4845-10 Client Sample ID: C-29A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9325	10/28/16 19:35	NMI	TAL SPK
Total/NA	Prep	3550C			15.25 g	5 mL	9345	10/31/16 08:33	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9351	10/31/16 14:04	NMI	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane

Matrix: Solid

Percent Solids: 93.8

#### **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		<b>EPA Region</b>	Certification ID	Expiration Date
Washington	State Pro	gram	10	C569	01-06-17
The following analyte	s are included in this repo	rt, but certification is	not offered by the go	overning authority:	
Analysis Method	Prep Method	Matrix	Analyt	te	
Moisture		Solid	Perce	nt Moisture	
Moisture		Solid	D	nt Solids	

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### **Protocol References:**

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### **Laboratory References:**

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

. 11922 F. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverion, OR 97608-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 FAX 924-9290 503-906-9209 FAX 906-9210 907-563-9200 FAX 563-9210

10/31/2016

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Futh Solutions Nojecc	É	Petroleum Hydrocarbon		P.O. NUMBER:			FAX:	HONE (425) 284-33
NVOICE TO:	ζ	in Business Days * Organic & Inorganic Analyses	ナッ ひしてし	East Son			<b>Les</b>	DDRESS: Ted Sy
		TURNAROUND REQUEST		INVOICE TO:			S	LIENT BALL Solu

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchoringe, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

FAX 906-9210 FAX 563-9210 FAX 924-9290

10/31/2016

RELEASED BY RELEASED BY PROJECT NUMBER PROJECT NAME: CLIENT ADDITIONAL REMARK SAMPLED BY: PHONE REPORT TO CLIENT SAMPLE IDENTIFICATION C-40 C- 42 C-43 14-(425) 284-3300 Earth Solutions NW, LLC Tylur Scalise Ted Sykes SAMPLING DATE/TIME FIRM ESNW chloring × X × X × HATMA CPAHS CHAIN OF CUSTODY REPORT P.O. NUMBER: INVOICE TO: Fresh Solutions Nw, cac DATE: HME Total TIME 3:30DM 10128111 REQUESTED ANALYSES PRESERVATIVE RECEIVED BY PRINT NAME RECEIVED BY Work Order #: (W, S, O) Turnaround Requests for their transford mar music Right Charge FIRM 7 5 4 3 2
Petroleum Hydrocarbon Analyses on A CONT TURNAROUND REQUEST Organic & Inorganic Analyses 2 13 13 4 3 2 TRACTOR OF THE PROPERTY OF THE 100K 1111 1533 COMMENTS 18e/01 1140 TIME. 3380 MO ID Page 22 of 23

#### **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4845-1

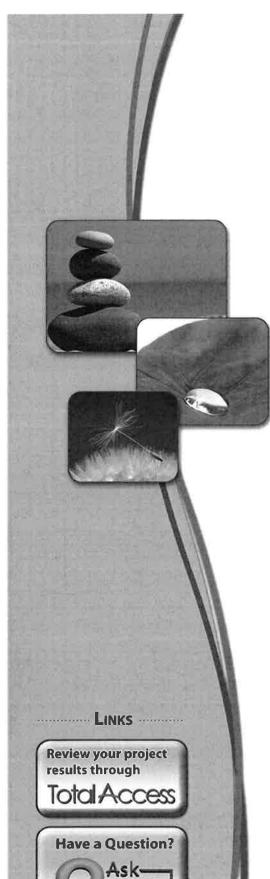
Login Number: 4845 List Number: 1

Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

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## <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

### **ANALYTICAL REPORT**

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4845-2

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by:

11/1/2016 11:06:38 AM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

## **Table of Contents**

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Job ID: 590-4845-2

Laboratory: TestAmerica Spokane

**Narrative** 

Receipt

The samples were received on 10/28/2016 3:33 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

**Receipt Exceptions** 

Containers for dry-weight correction were not submitted for the following samples: C-40 (590-4845-11), C-41 (590-4845-12), C-42 (590-4845-13), C-43 (590-4845-14) and C-39 (590-4845-15). The client was notified and containers for moisture analysis were received on 10/31/16 2:20pm.

#### **GC/MS VOA**

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.

#### **VOA Prep**

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

TestAmerica Spokane 11/1/2016

TestAmerica Job ID: 590-4845-2

Page 3 of 14

#### **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4845-11	C-40	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-12	C-41	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-13	C-42	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-14	C-43	Solid	10/28/16 00:00	10/28/16 15:33
590-4845-15	C-39	Solid	10/28/16 00:00	10/28/16 15:33









#### **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

#### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

Client Sample ID: C-40

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Lab Sample ID: 590-4845-11

Matrix: Solid

Method: 8260C - Volatile Organic Compounds by GC/MS Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Methylene Chloride ND 0.35 mg/Kg 10/28/16 16:14 10/28/16 19:47 %Recovery Qualifier Dil Fac Surrogate Limits Analyzed Prepared 75 - 120 10/28/16 16:14 10/28/16 19:47 1,2-Dichloroethane-d4 (Surr) 94 4-Bromofluorobenzene (Surr) 102 76 - 122 10/28/16 16:14 10/28/16 19:47 10/28/16 19:47 Dibromofluoromethane (Surr) 92 80 - 120 10/28/16 16:14 Toluene-d8 (Surr) 101 10/28/16 16:14 10/28/16 19:47 80 - 120

Lab Sample ID: 590-4845-12

Matrix: Solid

Matrix: Solid

Client Sample ID: C-41
Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.35		mg/Kg		10/28/16 16:14	10/28/16 20:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		75 - 120				10/28/16 16:14	10/28/16 20:09	1
4-Bromofluorobenzene (Surr)	98		76 - 122				10/28/16 16:14	10/28/16 20:09	1
Dibromofluoromethane (Surr)	92		80 _ 120				10/28/16 16:14	10/28/16 20:09	1
Toluene-d8 (Surr)	102		80 - 120				10/28/16 16:14	10/28/16 20:09	1

Client Sample ID: C-42 Lab Sample ID: 590-4845-13

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.34		mg/Kg		10/28/16 16:14	10/28/16 20:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		75 - 120				10/28/16 16:14	10/28/16 20:31	1
4-Bromofluorobenzene (Surr)	99		76 - 122				10/28/16 16:14	10/28/16 20:31	1
Dibromofluoromethane (Surr)	95		80 - 120				10/28/16 16:14	10/28/16 20:31	1
Toluene-d8 (Surr)	103		80 <sub>-</sub> 120				10/28/16 16:14	10/28/16 20:31	1

Client Sample ID: C-43

Date Collected: 10/28/16 00:00

Lab Sample ID: 590-4845-14

Matrix: Solid

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.33		mg/Kg		10/28/16 16:14	10/28/16 20:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		75 - 120				10/28/16 16:14	10/28/16 20:53	1
4-Bromofluorobenzene (Surr)	99		76 - 122				10/28/16 16:14	10/28/16 20:53	1
Dibromofluoromethane (Surr)	96		80 - 120				10/28/16 16:14	10/28/16 20:53	1
Toluene-d8 (Surr)	104		80 _ 120				10/28/16 16:14	10/28/16 20:53	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

Client Sample ID: C-39

Lab Sample ID: 590-4845-15

Matrix: Solid

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.35		mg/Kg		10/28/16 16:14	10/28/16 21:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		75 - 120				10/28/16 16:14	10/28/16 21:15	1
4-Bromofluorobenzene (Surr)	103		76 - 122				10/28/16 16:14	10/28/16 21:15	1
Dibromofluoromethane (Surr)	96		80 - 120				10/28/16 16:14	10/28/16 21:15	1
Toluene-d8 (Surr)	100		80 - 120				10/28/16 16:14	10/28/16 21:15	1

#### **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

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

Lab Sample ID: MB 590-9331/1-A

Matrix: Solid

Analysis Batch: 9328

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9331

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Methylene Chloride	ND		0,35		mg/Kg		10/28/16 12:53	10/28/16 13:06	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		75 - 120				10/28/16 12:53	10/28/16 13:06	1
4-Bromofluorobenzene (Surr)	102		76 - 122				10/28/16 12:53	10/28/16 13:06	1
Dibromofluoromethane (Surr)	104		80 - 120				10/28/16 12:53	10/28/16 13:06	1
Toluene-d8 (Surr)	100		80 - 120				10/28/16 12:53	10/28/16 13:06	1

Lab Sample ID: LCS 590-9331/2-A

Matrix: Solid

Analysis Batch: 9328

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9331

•	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Methylene Chloride	0,500	0,529		mg/Kg		106	20 - 150

LCS LCS

MB MB

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		75 - 120
4-Bromofluorobenzene (Surr)	105		76 - 122
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: LCSD 590-9331/3-A

Matrix: Solid

Analysis Batch: 9328

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 9331

Andrysis battin 5020							110	p Daton.	. 555
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Methylene Chloride	0.500	0.421		mg/Kg		84	20 - 150	23	25

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		75 - 120
4-Bromofluorobenzene (Surr)	113		76 - 122
Dibromofluoromethane (Surr)	96		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

Client Sample ID: C-40

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Lab Sample ID: 590-4845-11

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.072 g	5 mL	9331	10/28/16 16:14	MRS	TAL SPK
Total/NA	Analysis	8260C		1	0.86 mL	43 mL	9328	10/28/16 19:47	MRS	TAL SPK
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:52	NMI	TAL SPK

Lab Sample ID: 590-4845-12 Client Sample ID: C-41

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.015 g	5 mL	9331	10/28/16 16:14	MRS	TAL SPK
Total/NA	Analysis	8260C		1	0,86 mL	43 mL	9328	10/28/16 20:09	MRS	TAL SPK
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:52	NMI	TAL SPK

Client Sample ID: C-42 Lab Sample ID: 590-4845-13

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.081 g	5 mL	9331	10/28/16 16:14	MRS	TAL SPK
Total/NA	Analysis	8260C		1	0.86 mL	43 mL	9328	10/28/16 20:31	MRS	TAL SPK
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:52	NMI	TAL SPK

Lab Sample ID: 590-4845-14 Client Sample ID: C-43

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.34 g	5 mL	9331	10/28/16 16:14	MRS	TAL SPK
Total/NA	Analysis	8260C		1	0.86 mL	43 mL	9328	10/28/16 20:53	MRS	TAL SPK
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:52	NMI	TAL SPK

Client Sample ID: C-39 Lab Sample ID: 590-4845-15

Date Collected: 10/28/16 00:00 Date Received: 10/28/16 15:33 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	9331	10/28/16 16:14	MRS	TAL SPK
Total/NA	Analysis	8260C		1	0.86 mL	43 mL	9328	10/28/16 21:15	MRS	TAL SPK
Total/NA	Analysis	Moisture					9364	10/31/16 14:52	NMI	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane

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11/1/2016

#### **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		EPA Region	Certification ID	Expiration Date	
Washington	State Prog	State Program		C569	01-06-17	
The following analytes a	are included in this report, bu	it certification is not offe	ered by the governing a	uthority:		
The following analytes a Analysis Method	are included in this report, bu Prep Method	it certification is not offe Matrix	ered by the governing a Analyt	Ť		
	• •		Analyt	Ť		

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4845-2

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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( SAMPLED BY: PROJECT NUMBER: ES 4332.01 PROJECTNAME Sisters of the Holy Names PHONE (425) 284-3300 CLIENT REPORT TO RELEASED BY RELEASED BY YDDLLIONYT #24 PRINT NAME PRINT NAME THE LEADER IN ENVIRONMENTAL TESTING C-31A est4meri 61-7 -36A CLIENT SAMPLE 727 -21 a, w -38A Earth Solutions -19A The lea Ted Sy kas lylow Scalise/BTS Salis 86/01 SAMPLING DATE/TIME NW. L MAL FIRM X X X NWTPH X X CPAHS X X X X Total L CHAIN OF CUSTODY REPORT P.O. NUMBER: INVOICETO DATE TIME DATE 3MC 3:30 pm 日本といるかけるい としてして REQUESTED ANALYSES 11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auroort Rd Ste A10, Anchorage, AK 99502-1119 PRESERVATIVE PRINT NAME RECEIVED BY PRINT NAME: RECEIVED # 590-4845 Chain of Custody 1997 FRM THE DOCK TIME Work Order #: MATRIX (W. S. O) STD Turnstand Requests less than standard may 5 4 3 2 STD 7 S 4 3 Z
Petroleum Hydrocarbon Analy NAHTO TURNAROUND REQUEST Organic & Inorganic Analyses CONT 509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 707-563-9200 FAX 563-9210 to Business Days • HSMI PASH COMMENTS DATE /C WOID  $\Lambda$ \_\_\_ 11/1/2016 Page 12 of 14

RELEASED BY SAMPLED BY PROJECT NUMBER: PROJECT NAME: CLIENT PHONE ADDITIONAL REMARKS RELEASED BY PRINT NAME THE LEADER IN ENVIRONMENTAL TESTING estAmericc CLIENT SAMPLE IDENTIFICATION C-40 1H-J C- 42 (425) 284-3300 C-43 Barth Solutions NW, LLC Teal Syles Tyler Salise 8E CT SAMPLING DATE/TIME FIRM: FIRM ESNU chloride X X × X HALLMA CPAHS CHAIN OF CUSTODY REPORT INVOICE TO: FRA Solutions Now, LL P.O. NUMBER DATE TIME 3MI DATE Total 3:30 DM 101281116 REQUESTED ANALYSES PRESERVATIVE 11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auroort Rd Ste A10, Anchorage, AK 99502-1119 PRINT NAME RECEIVED BY PRINT NAME RECEIVED BY Work Order #: OTHER Specify RUSH MATRIX (W. S. O) 3 = FRM 7 5 4 3 2 1
Petroleum Hydrocarbon Analyses TURNAROUND REQUEST Organic & Instganic Analyses CONT # OF 17 4 13 509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210 in Business Days " COMMENTS 8 IM 18eb1 MIL WOID Į, 11/1/2016 Page 13 of 14

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#### **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4845-2

Login Number: 4845

List Source: TestAmerica Spokane

List Number: 1 Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

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# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

### ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4855-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 11/1/2016 4:11:15 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332,01

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Job ID: 590-4855-1

Laboratory: TestAmerica Spokane

Narrative

Receipt

The samples were received on 10/31/2016 2:20 PM; the samples arrived in good condition. The temperature of the cooler at receipt was 7.8° C.

**Receipt Exceptions** 

The following samples were received at the laboratory outside the required temperature criteria: C-15 (590-4855-1), C-16 (590-4855-2), C-24 (590-4855-3), C-25 (590-4855-4), C-44 (590-4855-5) and C-45 (590-4855-6). The samples are considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC/MS Semi VOA

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

GC Semi VOA

No analytical or quality issues were noted, other than those described 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.

TestAmerica Spokane 11/1/2016

TestAmerica Job ID: 590-4855-1

Page 3 of 19

#### **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4855-1	C-15	Solid	10/31/16 10:30	10/31/16 14:20
590-4855-2	C-16	Solid	10/31/16 10:30	10/31/16 14:20
590-4855-3	C-24	Solid	10/31/16 11:00	10/31/16 14:20
590-4855-4	C-25	Solid	10/31/16 11:00	10/31/16 14:20
590-4855-5	C-44	Solid	10/31/16 13:30	10/31/16 14:20
590-4855-6	C-45	Solid	10/31/16 13:30	10/31/16 14:20







#### **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

#### Qualifiers

#### GC Semi VOA

Qualifier Qualifier Description

F5 Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the

absolute difference is less than the RL.

Reporting Limit or Requested Limit (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

Relative Percent Difference, a measure of the relative difference between two points

#### Glossary

RL

RPD

TEF

TEQ

Abbreviation	These commonly used abbreviations may or may not be present in this report.
p	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

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-15

Date Collected: 10/31/16 10:30 Date Received: 10/31/16 14:20 Lab Sample ID: 590-4855-1

Matrix: Solid

Percent Solids: 93.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₽	11/01/16 12:23	11/01/16 13:38	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	ţţ	11/01/16 12:23	11/01/16 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				11/01/16 12:23	11/01/16 13:38	1
n-Triacontane-d62	79		50 - 150				11/01/16 12:23	11/01/16 13:38	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.6		4.1		mg/Kg	D.	10/31/16 14:39	11/01/16 14:37	

Client Sample ID: C-16

Date Collected: 10/31/16 10:30 Date Received: 10/31/16 14:20 Lab Sample ID: 590-4855-2

Matrix: Solid

Percent Solids: 90.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	贷	11/01/16 10:15	11/01/16 14:14	1
2-Methylnaphthalene	ND		0.010		mg/Kg	\tau	11/01/16 10:15	11/01/16 14:14	1
1-Methylnaphthalene	ND		0.010		mg/Kg	⇔	11/01/16 10:15	11/01/16 14:14	1
Acenaphthylene	ND		0.010		mg/Kg	¤	11/01/16 10:15	11/01/16 14:14	1
Acenaphthene	ND		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:14	1
Fluorene	ND		0.010		mg/Kg	÷\$	11/01/16 10:15	11/01/16 14:14	1
Phenanthrene	ND		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:14	1
Anthracene	ND		0.010		mg/Kg	¤	11/01/16 10:15	11/01/16 14:14	1
Fluoranthene	0.012		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:14	1
Pyrene	0.010		0.010		mg/Kg	¤	11/01/16 10:15	11/01/16 14:14	1
Benzo[a]anthracene	0.011		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:14	1
Chrysene	0.012		0.010		mg/Kg	\$	11/01/16 10:15	11/01/16 14:14	1
Benzo[b]fluoranthene	0.018		0.010		mg/Kg	325	11/01/16 10:15	11/01/16 14:14	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	₿	11/01/16 10:15	11/01/16 14:14	1
Benzo[a]pyrene	0.014		0.010		mg/Kg	华	11/01/16 10:15	11/01/16 14:14	1
Indeno[1,2,3-cd]pyrene	ND		0,010		mg/Kg	₽	11/01/16 10:15	11/01/16 14:14	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☆	11/01/16 10:15	11/01/16 14:14	1
Benzo[g,h,i]perylene	0.010		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		23 - 120				11/01/16 10:15	11/01/16 14:14	1
2-Fluorobiphenyl (Surr)	68		38 - 123				11/01/16 10:15	11/01/16 14:14	1
p-Terphenyl-d14	93		68 <sub>-</sub> 136				11/01/16 10:15	11/01/16 14:14	1
Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	Þ	11/01/16 12:23	11/01/16 13:54	8
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	≎	11/01/16 12:23	11/01/16 13:54	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				11/01/16 12:23	11/01/16 13:54	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-16

Lab Sample ID: 590-4855-2

TestAmerica Job ID: 590-4855-1

Date Collected: 10/31/16 10:30 Date Received: 10/31/16 14:20

Matrix: Solid Percent Solids: 90.3

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

Prepared Analyzed Dil Fac %Recovery Qualifier Limits Surrogate 11/01/16 12:23 11/01/16 13:54 50 - 150 n-Triacontane-d62 83

Method: 6010C - Metals (ICP)

Result Qualifier RL MOL Unit D Prepared Analyzed Dil Fac Analyte 10/31/16 14:39 3.7 mg/Kg 11/01/16 14:41 8.1 Lead

Client Sample ID: C-24 Lab Sample ID: 590-4855-3

Date Collected: 10/31/16 11:00

Matrix: Solid

Percent Solids: 91.9

Date Received: 10/31/16 14:20

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) Analyzed Dil Fac Result Qualifier MDL Unit D Prepared Analyte 11/01/16 12:23 11/01/16 14:12 NΠ 10 mg/Kg Diesel Range Organics (DRO) (C10-C25) 11/01/16 12:23 11/01/16 14:12 ND 26 mg/Kg Residual Range Organics (RRO) (C25-C36) %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 50 - 150 11/01/16 12:23 11/01/16 14:12 o-Terphenyl 96 82 50 - 150 11/01/16 12:23 11/01/16 14:12 n-Triacontane-d62

Method: 6010C - Metals (ICP) RL MDL Unit D Prepared Analyzed Dil Fac Analyte Result Qualifier 10/31/16 14:39 11/01/16 14:52 3.8 mg/Kg Lead 5.6

Client Sample ID: C-25

Lab Sample ID: 590-4855-4

Matrix: Solid

Date Collected: 10/31/16 11:00 Date Received: 10/31/16 14:20

Percent Solids: 92.8

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) MDL Unit Analyzed DII Fac Result Qualifier RL Prepared Analyte ND 10 11/01/16 12:23 11/01/16 14:30 mg/Kg Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) ND 26 mg/Kg 11/01/16 12:23 11/01/16 14:30 (C25-C36) Dil Fac %Recovery Qualifier I imits Prepared Analyzed Surrogate 11/01/16 14:30 o-Terphenyl 91 50 - 150 11/01/16 12:23 n-Triacontane-d62 84 50 - 150 11/01/16 12:23 11/01/16 14:30 1 Method: 6010C - Metals (ICP) Dil Fac Analyte Result Qualifier RL MDL Unit Prepared Analyzed 4.6 mg/Kg 10/31/16 14:39 11/01/16 14:54 Lead 7.8

Client Sample ID: C-44

Lab Sample ID: 590-4855-5 Matrix: Solid

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20

Percent Solids: 95.8

Method: 8270D SIM - Semivolatile Analyte	_	Qualifier	ŔĹ	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	Ħ	11/01/16 10:15	11/01/16 14:38	1
2-Methylnaphthalene	ND		0.010		mg/Kg	≎	11/01/16 10:15	11/01/16 14:38	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-44

Lab Sample ID: 590-4855-5

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20

Matrix: Solid Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	- 1
Acenaphthylene	ND		0.010		mg/Kg	益	11/01/16 10:15	11/01/16 14:38	Ť
Acenaphthene	ND		0.010		mg/Kg	芸	11/01/16 10:15	11/01/16 14:38	17
Fluorene	ND		0.010		mg/Kg	⇔	11/01/16 10:15	11/01/16 14:38	ii ii
Phenanthrene	0.013		0.010		mg/Kg	許	11/01/16 10:15	11/01/16 14:38	î
Anthracene	ND		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:38	a
Fluoranthene	0.064		0,010		mg/Kg	≎	11/01/16 10:15	11/01/16 14:38	1
Pyrene	0.057		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:38	ñ
Benzo[a]anthracene	0.052		0.010		mg/Kg	坹	11/01/16 10:15	11/01/16 14:38	9
Chrysene	0.067		0,010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:38	0
Benzo[b]fluoranthene	0.10		0.010		mg/Kg	贷	11/01/16 10:15	11/01/16 14:38	8
Benzo[k]fluoranthene	0.035		0.010		mg/Kg	₩	11/01/16 10:15	11/01/16 14:38	ò
Benzo[a]pyrene	0.072		0.010		mg/Kg	菜	11/01/16 10:15	11/01/16 14:38	9
Indeno[1,2,3-cd]pyrene	0.048		0.010		mg/Kg	芸	11/01/16 10:15	11/01/16 14:38	
Dibenz(a,h)anthracene	0.017		0.010		mg/Kg	禁	11/01/16 10:15	11/01/16 14:38	
Benzo[g,h,i]perylene	0.057		0.010		mg/Kg	¤	11/01/16 10:15	11/01/16 14:38	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	59		23 _ 120				11/01/16 10:15	11/01/16 14:38	
2-Fluorobiphenyl (Surr)	79		38 - 123				11/01/16 10:15	11/01/16 14:38	
p-Terphenyl-d14	97		68 - 136				11/01/16 10:15	11/01/16 14:38	
Method: NWTPH-Dx - Northwes	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	\$	11/01/16 12:23	11/01/16 13:54	
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	<b>#</b>	11/01/16 12:23	11/01/16 13:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	93		50 <sub>-</sub> 150				11/01/16 12:23	11/01/16 13:54	
п-Triacontane-d62	93		50 - 150				11/01/16 12:23	11/01/16 13:54	
Method: 6010C - Metals (ICP)									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: C-45

Lead

Lab Sample ID: 590-4855-6

11/01/16 14:58

10/31/16 14:39

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20

Percent Solids: 88.2

Matrix: Solid

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.011		mg/Kg	\$	11/01/16 10:15	11/01/16 15:02	1
2-Methylnaphthalene	ND	0.011		mg/Kg	₿	11/01/16 10:15	11/01/16 15:02	1
1-Methylnaphthalene	ND	0.011		mg/Kg	₽	11/01/16 10:15	11/01/16 15:02	9
Acenaphthylene	ND	0.011		mg/Kg	≎	11/01/16 10:15	11/01/16 15:02	ા
Acenaphthene	ND	0.011		mg/Kg	##	11/01/16 10:15	11/01/16 15:02	1
Fluorene	ND	0.011		mg/Kg	Ħ	11/01/16 10:15	11/01/16 15:02	-1
Phenanthrene	0.073	0.011		mg/Kg	贷	11/01/16 10:15	11/01/16 15:02	া
Anthracene	0.019	0.011		mg/Kg	¢	11/01/16 10:15	11/01/16 15:02	া

4.2

mg/Kg

8.5

TestAmerica Spokane

11/1/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4855-6

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-45

Matrix: Solid

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20

Percent Solids: 88.2

Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	DII Fa
Fluoranthene	0.30		0.011		mg/Kg	*	11/01/16 10:15	11/01/16 15:02	
Pyrene	0.27		0.011		mg/Kg	₩	11/01/16 10:15	11/01/16 15:02	
Benzo[a]anthracene	0.25		0.011		mg/Kg	#	11/01/16 10:15	11/01/16 15:02	
Chrysene	0.31		0.011		mg/Kg	₩	11/01/16 10:15	11/01/16 15:02	
Benzo[b]fluoranthene	0.45		0.011		mg/Kg	\$\$	11/01/16 10:15	11/01/16 15:02	
Benzo[k]fluoranthene	0.15		0.011		mg/Kg	₽	11/01/16 10:15	11/01/16 15:02	
Benzo[a]pyrene	0.33		0.011		mg/Kg	₩	11/01/16 10:15	11/01/16 15:02	
Indeno[1,2,3-cd]pyrene	0.21		0.011		mg/Kg	₽	11/01/16 10:15	11/01/16 15:02	
Dibenz(a,h)anthracene	0.070		0.011		mg/Kg	₽	11/01/16 10:15	11/01/16 15:02	
Benzo[g,h,i]perylene	0.23		0.011		mg/Kg	₿	11/01/16 10:15	11/01/16 15:02	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	51		23 - 120				11/01/16 10:15	11/01/16 15:02	
2-Fluorobiphenyl (Surr)	66		38 - 123				11/01/16 10:15	11/01/16 15:02	
p-Terphenyl-d14	96		68 - 136				11/01/16 10:15	11/01/16 15:02	
Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fa
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	<b>\$</b>	11/01/16 12:23	11/01/16 14:30	3
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	₩	11/01/16 12:23	11/01/16 14:30	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	91		50 - 150				11/01/16 12:23	11/01/16 14:30	
n-Triacontane-d62	97		50 - 150				11/01/16 12:23	11/01/16 14:30	
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifler	ŘL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	8.8		4.1		mg/Kg	₩	10/31/16 14:39	11/01/16 15:01	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

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

Lab Sample ID: MB 590-9376/1-A Matrix: Solid

Analysis Batch: 9380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9376

	MB	MB					
Analyte	Result	Qualifier RL	MDL Uni	nit D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
2-Methylnaphthalene	ND	0.010	mg	J/Kg	11/01/16 10:15	11/01/16 11:45	1
1-Methylnaphthalene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Acenaphthylene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Acenaphthene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Fluorene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Phenanthrene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Anthracene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Fluoranthene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Pyrene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Benzo[a]anthracene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Chrysene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	9
Benzo[b]fluoranthene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	31
Benzo[k]fluoranthene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Benzo[a]pyrene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Indeno[1,2,3-cd]pyrene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Dibenz(a,h)anthracene	ND	0.010	mg.	g/Kg	11/01/16 10:15	11/01/16 11:45	1
Benzo[g,h,i]perylene	ND	0.010	mg	g/Kg	11/01/16 10:15	11/01/16 11:45	1
	МВ	MB					

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		23 - 120	11/01/16 10:15	11/01/16 11:45	1
2-Fluorobiphenyl (Surr)	68		38 - 123	11/01/16 10:15	11/01/16 11:45	1
p-Terphenyl-d14	111		68 - 136	11/01/16 10:15	11/01/16 11:45	1

Lab Sample ID: LCS 590-9376/2-A

Matrix: Solid

Analysis Batch: 9380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9376

Allalysis Batch. 5500							116	p Dateil. 3370
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Naphthalene	0.267	0.175		mg/Kg		66	41 - 121	
2-Methylnaphthalene	0.267	0.219		mg/Kg		82	39 - 132	
1-Methylnaphthalene	0.267	0.199		mg/Kg		75	46 - 131	
Acenaphthylene	0,267	0.205		mg/Kg		77	56 - 123	
Acenaphthene	0.267	0.206		mg/Kg		77	43 - 140	
Fluorene	0.267	0.209		mg/Kg		78	54 - 131	
Phenanthrene	0.267	0.237		mg/Kg		89	55 - 141	
Anthracene	0.267	0,236		mg/Kg		88	60 - 129	
Fluoranthene	0.267	0.238		mg/Kg		89	63 - 141	
Pyrene	0.267	0.223		mg/Kg		84	62 - 139	
Benzo[a]anthracene	0.267	0.242		mg/Kg		91	61 - 136	
Chrysene	0,267	0.241		mg/Kg		90	57 - 144	
Benzo[b]fluoranthene	0.267	0.232		mg/Kg		87	66 - 141	
Benzo[k]fluoranthene	0.267	0.228		mg/Kg		86	63 - 150	
Benzo[a]pyrene	0.267	0.231		mg/Kg		87	60 - 133	
Indeno[1,2,3-cd]pyrene	0.267	0.237		mg/Kg		89	55 - 142	
Dibenz(a,h)anthracene	0.267	0,235		mg/Kg		88	60 - 150	
Benzo[g,h,i]perylene	0.267	0.229		mg/Kg		86	58 - 147	

#### **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

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

Lab Sample ID: LCS 590-9376/2-A

Matrix: Solid

Analysis Batch: 9380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9376

LCS	LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	63		23 - 120
2-Fluorobiphenyl (Surr)	84		38 - 123
n-Ternhenvi-d14	108		68 - 136

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

Lab Sample ID: MB 590-9385/1-A

Matrix: Solid

Analysis Batch: 9383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9385

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Diesel Range Organics (DRO)	ND		10		mg/Kg		11/01/16 12:23	11/01/16 13:20	1
(C10-C25) Residual Range Organics (RRO)	ND		25		mg/Kg		11/01/16 12:23	11/01/16 13:20	ä
(C25-C36)									

мв мв

	Surrogate	%Recovery	Qualifier L	Limits	Prepared	Analyzed	Dil Fac
	o-Terphenyl	93	5	50 _ 150	11/01/16 12:23	11/01/16 13:20	1
Ì	n-Triacontane-d62	89	5	50 <sub>-</sub> 150	11/01/16 12:23	11/01/16 13:20	1

Lab Sample ID: LCS 590-9385/2-A

Matrix: Solid

Analysis Batch: 9383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9385

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO)	67.1	70.8		mg/Kg		106	50 - 150	
(C10-C25)								
Residual Range Organics (RRO)	66.8	80.1		mg/Kg		120	50 - 150	
(COE COE)								

(C25-C36)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	87		50 - 150
n-Triacontane-d62	89		50 <sub>-</sub> 150

Lab Sample ID: 590-4855-1 DU

Matrix: Solid

Analysis Batch: 9382

Client Sample ID: C-15

Prep Type: Total/NA

Prep Batch: 9385

	Sample	Sample	00	טט				KFD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Diesel Range Organics (DRO)	ND		ND		mg/Kg	₿	4	40
(C10-C25) Residual Range Organics (RRO)	ND		ND	F5	mg/Kg	₽	45	40

(C25-C36)

	DU	DU	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	91		50 - 150
n-Triacontane-d62	74		50 - 150

#### **QC Sample Results**

Client: Earth Solutions NW LLC

Analyte

Lead

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

%Rec. Limits

80 - 120

%Rec

93

Method: 6010C - Metals (ICP)									
Lab Sample ID: MB 590-9363/2-A							Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: T	otal/NA
Analysis Batch: 9391								Prep Bato	h: 9363
-	MB	MB							
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Lead	ND		1.3		mg/Kg		10/31/16 14:26	11/01/16 15:07	1
Lab Sample ID: LCS 590-9363/1-A						С	lient Sample I	D: Lab Control	Sample
Matrix: Solid								Prep Type: T	otal/NA
Analysis Batch: 9391								Prep Bato	h: 9363

LCS LCS

46.4

Result Qualifier

Unit

mg/Kg

Spike

Added

50.0

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-15

Date Collected: 10/31/16 10:30 Date Received: 10/31/16 14:20 Lab Sample ID: 590-4855-1

Matrix: Solid

Batch Batch DII Initial Final Batch Prepared Type Method Run Amount Amount Number or Analyzed Prep Type Factor Analyst Lab 9364 10/31/16 14:56 NMI TAL SPK Moisture Total/NA Analysis

Client Sample ID: C-15

Date Collected: 10/31/16 10:30

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-1

Matrix: Solid Percent Solids: 93.9

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9382	11/01/16 13:38	NMI	TAL SPK
Total/NA	Prep	3050B			1.63 g	50 mL	9363	10/31/16 14:39	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9391	11/01/16 14:37	JSP	TAL SPK

Client Sample ID: C-16

Date Collected: 10/31/16 10:30

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-2

Matrix: Solid

		Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep T	уре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/N	IA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-16

Date Collected: 10/31/16 10:30

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-2

Matrix: Solid

Percent Solids: 90.3

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.94 g	2 mL	9376	11/01/16 10:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9380	11/01/16 14:14	NMI	TAL SPK
Total/NA	Prep	3550C			15.49 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9382	11/01/16 13:54	NMI	TAL SPK
Total/NA	Prep	3050B			1.89 g	50 mL	9363	10/31/16 14:39	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9391	11/01/16 14:41	JSP	TAL SPK

Client Sample ID: C-24

Date Collected: 10/31/16 11:00

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-24

Date Collected: 10/31/16 11:00 Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-3

Matrix: Solid

Percent Solids: 91.9

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Method 3550C NWTPH-Dx	Run	Dil Factor	Initial Amount 15,78 g	Final Amount 5 mL	Number 9385 9382	Prepared or Analyzed 11/01/16 12:23 11/01/16 14:12	Analyst EAF NMI	Lab TAL SPK TAL SPK
Total/NA	Prep	3050B			1.80 g	50 mL	9363	10/31/16 14:39	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9391	11/01/16 14:52	JSP	TAL SPK

Lab Sample ID: 590-4855-4

Matrix: Solid

Date Collected: 10/31/16 11:00 Date Received: 10/31/16 14:20

Client Sample ID: C-25

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-25

Lab Sample ID: 590-4855-4

Matrix: Solid Percent Solids: 92.8

Date Collected: 10/31/16 11:00 Date Received: 10/31/16 14:20

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.54 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9382	11/01/16 14:30	NMI	TAL SPK
Total/NA	Prep	3050B			1.48 g	50 mL	9363	10/31/16 14:39	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9391	11/01/16 14:54	JSP	TAL SPK

Client Sample ID: C-44

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20 Lab Sample ID: 590-4855-5

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep	Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/	'NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-44

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20 Lab Sample ID: 590-4855-5

Matrix: Solid

Percent Solids: 95.8

	Batch	Batch		Dif	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9376	11/01/16 10:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9380	11/01/16 14:38	NMI	TAL SPK
Total/NA	Prep	3550C			15.39 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9383	11/01/16 13:54	NMI	TAL SPK
Total/NA	Prep	3050B			1.57 g	50 mL	9363	10/31/16 14:39	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9391	11/01/16 14:58	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-45

Client Sample ID: C-45

Date Collected: 10/31/16 13:30

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-6

Matrix: Solid

Date Collected: 10/31/16 13:30 Date Received: 10/31/16 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Lab Sample ID: 590-4855-6

Matrix: Solid

Percent Solids: 88.2

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Factor Amount Amount Number or Analyzed Lab Type Run Analyst Total/NA Prep 3550C 9376 11/01/16 10:15 EAF TAL SPK 15.00 g 2 mL Total/NA Analysis 8270D SIM 1 9380 11/01/16 15:02 NMI TAL SPK Total/NA 3550C 9385 11/01/16 12:23 EAF TAL SPK Prep 15.77 g 5 mL Total/NA NWTPH-Dx TAL SPK Analysis 9383 11/01/16 14:30 NMI Total/NA Prep 3050B 1.74 g 50 mL 9363 10/31/16 14:39 JSP TAL SPK Total/NA Analysis 6010C 5 9391 11/01/16 15:01 TAL SPK

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

#### **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

uthority	Program	Program State Program		Certification ID C569	Expiration Date 01-06-17
Vashington	State Prog				
The following analytes	are included in this report, bu	t certification is not offer	red by the governing a	uthority:	
The following analytes Analysis Method	are included in this report, bu Prep Method	t certification is not offer Matrix	red by the governing a Analyt	-	
	•		Analyt	-	

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4855-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### **Protocol References:**

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

CLIENT BANK Solutions NU

REPORT TO TED SYKES

(425) 284-3300

PROJECT NAME SISTERS of the Holy Names

PROJECT NUMBER: CS - 4337.01

SAMPLEOBY Tyles Scalize (BTS

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

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CHAIN OF CUSTODY REPORT

Work Order #:

\$09-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX \$63-9210

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

TOTAL P.O. NUMBER DATE DITE 1013116 Earth Solutions NW, CLC 2:20 pM REQUESTED ANALYSES PRESERVATIVE PRINT NAME: RECEIVED BY RECEIVED BY: 10 7 5 6 3 1 1 A \*Turnamund Requests less than standard may own Rush Charge MATRIX # OF (W. S. O) CONT. FIRM THE TIME OTHER Specify (US) TURNAROUND REQUEST ba Businesi Days " COMMENTS DATE DATE 10/01/

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ADDITIONAL REMARKS

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590-4855 Chain of Custody

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11/1/2016

#### **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4855-1

Login Number: 4855

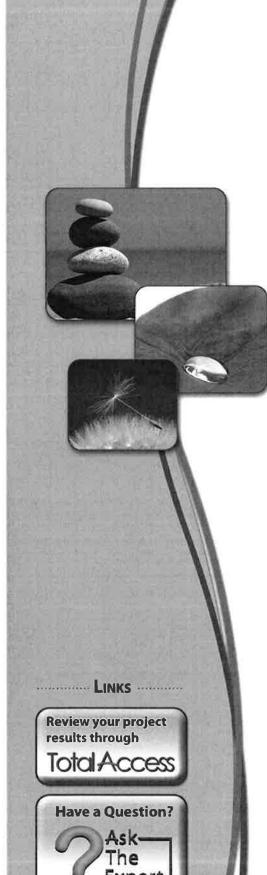
List Number: 1

Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	Received same day of collection; chilling process has begun.
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

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# <u>TestAmerica</u>

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### ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4874-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

dance trington

Authorized for release by: 11/3/2016 2:28:13 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

## **Table of Contents**

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Job ID: 590-4874-1

Laboratory: TestAmerica Spokane

#### **Narrative**

#### Receipt

The samples were received on 11/2/2016 12:33 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.5° C.

#### **GC/MS Semi VOA**

Method 8270D SIM: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with preparation batch 590-9410 and analytical batch 590-9405 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Fluoranthene and Benzo[b]fluoranthene in the MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8270D SIM: Due to the high concentration of analytes, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 590-9410 and analytical batch 590-9405 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

#### GC Semi VOA

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

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.

TestAmerica Job ID: 590-4874-1

#### **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4874-1	C-36B	Solid	11/02/16 09:00	11/02/16 12:33
590-4874-2	C-37B	Solid	11/02/16 09:15	11/02/16 12:33
590-4874-3	C-31B	Solid	11/02/16 09:30	11/02/16 12:33
590-4874-4	C-45A	Solid	11/02/16 09:30	11/02/16 12:33
590-4874-5	C-46	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-6	C-47	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-7	C-48	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-8	C-49	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-9	C-50	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-10	C-51	Solid	11/02/16 10:30	11/02/16 12:33
590-4874-11	C-52	Solid	11/02/16 11:00	11/02/16 12:33
590-4874-12	C-53	Solid	11/02/16 10:00	11/02/16 12:33
590-4874-13	C-54	Solid	11/02/16 11:00	11/02/16 12:33
590-4874-14	C-55	Solid	11/02/16 11:00	11/02/16 12:33
590-4874-15	C-56	Solid	11/02/16 11:30	11/02/16 12:33
590-4874-16	C-57	Solid	11/02/16 11:30	11/02/16 12:33
590-4874-17	C-58	Solid	11/02/16 11:30	11/02/16 12:33
590-4874-18	C-59	Solid	11/02/16 11:30	11/02/16 12:33
590-4874-19	C-60	Solid	11/02/16 11:30	11/02/16 12:33
590-4874-20	C-61	Solid	11/02/16 12:00	11/02/16 12:33
590-4874-21	C-62	Solid	11/02/16 12:00	11/02/16 12:33
590-4874-22	C-63	Solid	11/02/16 12:00	11/02/16 12:33
590-4874-23	C-64	Solid	11/02/16 12:00	11/02/16 12:33
590-4874-24	C-65	Solid	11/02/16 12:00	11/02/16 12:33





Qualifler Description

MS/MSD RPD exceeds control limits

TestAmerica Job ID: 590-4874-1

### Qualifiers

#### GC/MS Semi VOA

Qualifler	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F	Result exceeded calibration range

#### GC Semi VOA

Qualifier

F5

F2

F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the
	absolute difference is less than the RL.
Metals	
Qualifier	Qualifier Description
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.
<b>D</b>	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: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-36B Lab Sample ID: 590-4874-1

Date Collected: 11/02/16 09:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 97.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	0.052	F1 F2	0.050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	
2-Methylnaphthalene	ND	F2	0.050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	
1-Methylnaphthalene	ND	F2	0.050		mg/Kg	Þ	11/02/16 14:16	11/02/16 16:21	
Acenaphthylene	ND		0.050		mg/Kg	菜	11/02/16 14:16	11/02/16 16:21	(
Acenaphthene	0.084	F1 F2	0.050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	3
Fluorene	ND	F1 F2	0.050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	
Phenanthrene	1.1	F2	0.050		mg/Kg	₩	11/02/16 14:16	11/02/16 16:21	
Anthracene	0.27	F1 F2	0,050		mg/Kg	袋	11/02/16 14:16	11/02/16 16:21	
Fluoranthene	4.3	F2	0.050		mg/Kg	Ċ.	11/02/16 14:16	11/02/16 16:21	3
Pyrene	3.7	F2	0.050		mg/Kg	袋	11/02/16 14:16	11/02/16 16:21	1
Benzo[a]anthracene	3.5	F2	0.050		mg/Kg	₩	11/02/16 14:16	11/02/16 16:21	
Chrysene	4.1	F2	0.050		mg/Kg	禁	11/02/16 14:16	11/02/16 16:21	
Benzo[b]fluoranthene	5.8	F2	0.050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	1
Benzo[k]fluoranthene	2.0	F2	0.050		mg/Kg	岗	11/02/16 14:16	11/02/16 16:21	9
Benzo[a]pyrene	4.1	F2	0.050		mg/Kg	≎	11/02/16 14:16	11/02/16 16:21	į
Indeno[1,2,3-cd]pyrene	2.3	F2	0.050		mg/Kg	₿	11/02/16 14:16	11/02/16 16:21	4
Dibenz(a,h)anthracene	0.85	F1 F2	0,050		mg/Kg	₽	11/02/16 14:16	11/02/16 16:21	
Benzo[g,h,i]perylene	2.7	F2	0.050		mg/Kg	許	11/02/16 14:16	11/02/16 16:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	49		23 - 120				11/02/16 14:16	11/02/16 16:21	
2-Fluorobiphenyl (Surr)	68		38 - 123				11/02/16 14:16	11/02/16 16:21	
p-Terphenyl-d14	90		68 - 136				11/02/16 14:16	11/02/16 16:21	

Client Sample ID: C-37B

Date Collected: 11/02/16 09:15 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-2

Matrix: Solid Percent Solids: 94.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0,010		mg/Kg	₽	11/02/16 14:16	11/02/16 16:45	- 1
2-Methylnaphthalene	ND		0.010		mg/Kg	草	11/02/16 14:16	11/02/16 16:45	1
1-Methylnaphthalene	ND		0.010		mg/Kg	+\$1	11/02/16 14:16	11/02/16 16:45	1
Acenaphthylene	ND		0.010		mg/Kg	\$}	11/02/16 14:16	11/02/16 16:45	1
Acenaphthene	ND		0.010		mg/Kg	Ħ	11/02/16 14:16	11/02/16 16:45	1
Fluorene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/02/16 16:45	1
Phenanthrene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 16:45	1
Anthracene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 16:45	1
Fluoranthene	ND		0.010		mg/Kg	苡	11/02/16 14:16	11/02/16 16:45	1
Pyrene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 16:45	1
Benzo[a]anthracene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/02/16 16:45	1
Chrysene	ND		0.010		mg/Kg	华	11/02/16 14:16	11/02/16 16:45	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	¢	11/02/16 14:16	11/02/16 16:45	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 16:45	1
Benzo[a]pyrene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 16:45	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	\$€	11/02/16 14:16	11/02/16 16:45	
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 16:45	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	禁	11/02/16 14:16	11/02/16 16:45	1

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-37B

Client Sample ID: C-31B

Date Collected: 11/02/16 09:30

Date Received: 11/02/16 12:33

Date Collected: 11/02/16 09:15
Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-2

Matrix: Solid Percent Solids: 94.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	30		23 - 120	11/02/16 14:16	11/02/16 16:45	1
2-Fluorobiphenyl (Surr)	47		38 - 123	11/02/16 14:16	11/02/16 16:45	1
p-Terphenyl-d14	94	1.0	68 _ 136	11/02/16 14:16	11/02/16 16:45	1

Lab Sample ID: 590-4874-3

Matrix: Solid

Percent Solids: 82.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.012		mg/Kg	□	11/02/16 14:16	11/02/16 17:08	1
2-Methylnaphthalene	ND		0.012		mg/Kg	☆	11/02/16 14:16	11/02/16 17:08	1
1-Methylnaphthalene	ND		0.012		mg/Kg	₿	11/02/16 14:16	11/02/16 17:08	1
Acenaphthylene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 17:08	1
Acenaphthene	ND		0.012		mg/Kg	口	11/02/16 14:16	11/02/16 17:08	1
Fluorene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 17:08	1
Phenanthrene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 17:08	1
Anthracene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 17:08	1
Fluoranthene	ND		0.012		mg/Kg	₿	11/02/16 14:16	11/02/16 17:08	1
Pyrene	ND		0.012		mg/Kg	尊	11/02/16 14:16	11/02/16 17:08	1
Benzo[a]anthracene	ND		0,012		mg/Kg	₽	11/02/16 14:16	11/02/16 17:08	1
Chrysene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 17:08	1
Benzo[b]fluoranthene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 17:08	1
Benzo[k]fluoranthene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 17:08	1
Benzo[a]pyrene	ND		0.012		mg/Kg	<u></u>	11/02/16 14:16	11/02/16 17:08	1
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	17.	11/02/16 14:16	11/02/16 17:08	1
Dibenz(a,h)anthracene	ND		0.012		mg/Kg	以	11/02/16 14:16	11/02/16 17:08	1
Benzo[g,h,i]perylene	ND		0.012		mg/Kg	\$	11/02/16 14:16	11/02/16 17:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	35		23 - 120				11/02/16 14:16	11/02/16 17:08	1
2-Fluorobiphenyl (Surr)	53		38 - 123				11/02/16 14:16	11/02/16 17:08	1
p-Terphenyi-d14	91		68 - 136				11/02/16 14:16	11/02/16 17:08	1

Client Sample ID: C-45A

Date Collected: 11/02/16 09:30 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-4

Matrix: Solid Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	Ċţ.	11/02/16 14:16	11/02/16 17:34	1
2-Methylnaphthalene	ND		0.010		mg/Kg	≎	11/02/16 14:16	11/02/16 17:34	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/02/16 17:34	1
Acenaphthylene	ND		0.010		mg/Kg	华	11/02/16 14:16	11/02/16 17:34	1
Acenaphthene	ND		0.010		mg/Kg	益	11/02/16 14:16	11/02/16 17:34	1
Fluorene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 17:34	1
Phenanthrene	ND		0.010		mg/Kg	₿	11/02/16 14:16	11/02/16 17:34	1
Anthracene	ND		0.010		mg/Kg	ü	11/02/16 14:16	11/02/16 17:34	1
Fluoranthene	ND		0.010		mg/Kg	拉	11/02/16 14:16	11/02/16 17:34	1
Pyrene	ND		0.010		mg/Kg	ij.	11/02/16 14:16	11/02/16 17:34	1
Benzo[a]anthracene	ND		0.010		mg/Kg	375	11/02/16 14:16	11/02/16 17:34	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-45A

Lab Sample ID: 590-4874-4

Date Collected: 11/02/16 09:30 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 95.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	ND		0.010		mg/Kg	\$	11/02/16 14:16	11/02/16 17:34	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	口	11/02/16 14:16	11/02/16 17:34	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	305	11/02/16 14:16	11/02/16 17:34	1
Benzo[a]pyrene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 17:34	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	萃	11/02/16 14:16	11/02/16 17:34	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 17:34	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 17:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	40		23 - 120				11/02/16 14:16	11/02/16 17:34	1
2-Fluorobiphenyl (Surr)	61		38 - 123				11/02/16 14:16	11/02/16 17:34	1

68 - 136

100

Lab Sample ID: 590-4874-5

11/02/16 14:16 11/02/16 17:34

Matrix: Solid Percent Solids: 88.7

Client Sample ID: C-46
Date Collected: 11/02/16 10:00
Date Received: 11/02/16 12:33

p-Terphenyl-d14

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	\$	11/02/16 14:16	11/02/16 18:01	1
2-Methylnaphthalene	ND		0.011		mg/Kg	₿	11/02/16 14:16	11/02/16 18:01	1
1-Methylпарhthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:01	1
Acenaphthylene	ND		0.011		mg/Kg	尊	11/02/16 14:16	11/02/16 18:01	1
Acenaphthene	ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 18:01	1
Fluorene	ND		0.011		mg/Kg	章	11/02/16 14:16	11/02/16 18:01	1
Phenanthrene	ND		0.011		mg/Kg	Ϋ́E	11/02/16 14:16	11/02/16 18:01	1
Anthracene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:01	1
Fluoranthene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:01	1
Pyrene	ND		0.011		mg/Kg	#	11/02/16 14:16	11/02/16 18:01	1
Benzo[a]anthracene	ND		0.011		mg/Kg	#	11/02/16 14:16	11/02/16 18:01	1
Chrysene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 18:01	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 18:01	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	华	11/02/16 14:16	11/02/16 18:01	1
Benzo[a]pyrene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 18:01	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	⇔	11/02/16 14:16	11/02/16 18:01	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	ф	11/02/16 14:16	11/02/16 18:01	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	详	11/02/16 14:16	11/02/16 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	38		23 - 120				11/02/16 14:16	11/02/16 18:01	1
2-Fluorobiphenyl (Surr)	59		38 - 123				11/02/16 14:16	11/02/16 18:01	1
p-Terphenyl-d14	92		68 - 136				11/02/16 14:16	11/02/16 18:01	1

Method: NWTPH-Dx - Northwest	Semi-Volatile	Petroleum P	roducts (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		11		mg/Kg	₩	11/03/16 08:36	11/03/16 10:53	1
(C10-C25)									
Residual Range Organics (RRO)	ND		27		mg/Kg	草	11/03/16 08:36	11/03/16 10:53	1
(C25-C36)									

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-46

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-5

Matrix: Solid

Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				11/03/16 08:36	11/03/16 10:53	1
n-Triacontane-d62	88		50 - 150				11/03/16 08:36	11/03/16 10:53	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15	F1 F2	1.8		mg/Kg	斑	11/02/16 13:02	11/03/16 11:12	2

Client Sample ID: C-47 Lab Sample ID: 590-4874-6

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 90.4

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		0.011		mg/Kg	<u></u>	11/02/16 14:16	11/02/16 18:27	
ND		0,011		mg/Kg	Ü	11/02/16 14:16	11/02/16 18:27	
ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	375	11/02/16 14:16	11/02/16 18:27	1
ND		0,011		mg/Kg	₽	11/02/16 14:16	11/02/16 18:27	4
ND		0.011		mg/Kg	故	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	尊	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:27	9
ND		0.011		mg/Kg	详	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	-‡‡	11/02/16 14:16	11/02/16 18:27	1
ND		0,011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	許	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 18:27	1
ND		0,011		mg/Kg	☆	11/02/16 14:16	11/02/16 18:27	1
ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 18:27	3
ND		0.011		mg/Kg	禁	11/02/16 14:16	11/02/16 18:27	3
ND		0,011		mg/Kg	₽	11/02/16 14:16	11/02/16 18:27	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
33		23 - 120				11/02/16 14:16	11/02/16 18:27	- 1
53		38 - 123				11/02/16 14:16	11/02/16 18:27	(4
89		68 - 136				11/02/16 14:16	11/02/16 18:27	
- Semi-Volatile	Petroleum	Products (GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		11		mg/Kg	<b>☆</b>	11/03/16 08:36	11/03/16 11:20	
ND		26		mg/Kg	\$	11/03/16 08:36	11/03/16 11:20	3
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
94		50 _ 150				11/03/16 08:36	11/03/16 11:20	i
88		50 - 150				11/03/16 08:36	11/03/16 11:20	3
	ND N	ND N	ND	ND	ND         0.011         mg/Kg           **Recovery         Qualifier         Limits           ND         26         mg/Kg           ND         26         mg/Kg           ND         26         mg/Kg	ND	ND	ND

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-48

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-7

Matrix: Solid

Percent Solids: 92.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	故	11/02/16 14:16	11/02/16 18:53	7
2-Methylnaphthalene	ND		0.011		mg/Kg	ij.	11/02/16 14:16	11/02/16 18:53	(1
1-Methylnaphthalene	ND		0.011		mg/Kg	##	11/02/16 14:16	11/02/16 18:53	i
Acenaphthylene	ND		0.011		mg/Kg	:‡:	11/02/16 14:16	11/02/16 18:53	i i
Acenaphthene	ND		0.011		mg/Kg	#	11/02/16 14:16	11/02/16 18:53	
Fluorene	ND		0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 18:53	į.
Phenanthrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:53	
Anthracene	ND		0.011		mg/Kg	华	11/02/16 14:16	11/02/16 18:53	9
Fluoranthene	ND		0.011		mg/Kg	45	11/02/16 14:16	11/02/16 18:53	9
Pyrene	ND		0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 18:53	9
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:53	8
Chrysene	ND		0.011		mg/Kg	₩.	11/02/16 14:16	11/02/16 18:53	8
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:53	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☆	11/02/16 14:16	11/02/16 18:53	1
Benzo[a]pyrene	ND		0,011		mg/Kg	<b>以</b>	11/02/16 14:16	11/02/16 18:53	(1)
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	\$\$	11/02/16 14:16	11/02/16 18:53	9
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	Þ	11/02/16 14:16	11/02/16 18:53	1
Benzo[g,h,i]perylene	ND		0,011		mg/Kg	<b>₩</b>	11/02/16 14:16	11/02/16 18:53	8
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	52		23 - 120				11/02/16 14:16	11/02/16 18:53	1
2-Fluorobiphenyl (Surr)	64		38 _ 123				11/02/16 14:16	11/02/16 18:53	8
p-Terphenyl-d14	86		68 - 136				11/02/16 14:16	11/02/16 18:53	3
Method: NWTPH-Dx - Northwest	- Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	*	11/03/16 08:36	11/03/16 11:08	
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	₽	11/03/16 08:36	11/03/16 11:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	94		50 - 150				11/03/16 08:36	11/03/16 11:08	
n-Triacontane-d62	91		50 - 150				11/03/16 08:36	11/03/16 11:08	
Method: 6010C - Metals (ICP)									
		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa

Client	Sample	ID:	C-	49
Data Ca	diamendo d	4/00	140	40.

Date Collected: 11/02/16 10:00

Date Received: 11/02/16 12:33

Matrix: Solid

Percent Solids: 91.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	th.	11/02/16 14:16	11/02/16 19:19	1
2-Methylnaphthalene	ND		0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 19:19	1
1-Methylnaphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:19	1
Acenaphthylene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:19	1
Acenaphthene	ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 19:19	1
Fluorene	ND		0.011		mg/Kg	ij.	11/02/16 14:16	11/02/16 19:19	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-49

Lab Sample ID: 590-4874-8

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 91.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Phenanthrene	ND		0,011		mg/Kg	**	11/02/16 14:16	11/02/16 19:19	
Anthracene	ND		0.011		mg/Kg	草	11/02/16 14:16	11/02/16 19:19	
Fluoranthene	ND		0.011		mg/Kg	4\$1	11/02/16 14:16	11/02/16 19:19	
Pyrene	ND		0.011		mg/Kg	Ķξ	11/02/16 14:16	11/02/16 19:19	
Benzo[a]anthracene	ND		0.011		mg/Kg	ដ	11/02/16 14:16	11/02/16 19:19	
Chrysene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 19:19	
Benzo[b]fluoranthene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 19:19	
Benzo[k]fluoranthene	ND		0.011		mg/Kg	<b>#</b>	11/02/16 14:16	11/02/16 19:19	
Benzo[a]pyrene	ND		0.011		mg/Kg	475	11/02/16 14:16	11/02/16 19:19	
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 19:19	
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:19	
Benzo[g,h,i]perylene	DИ		0.011		mg/Kg	ţţ.	11/02/16 14:16	11/02/16 19:19	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	50		23 - 120				11/02/16 14:16	11/02/16 19:19	
2-Fluorobiphenyl (Surr)	65		38 - 123				11/02/16 14:16	11/02/16 19:19	
p-Terphenyl-d14	89		68 - 136				11/02/16 14:16	11/02/16 19:19	
p-Terphenyl-d14 Method: NWTPH-Dx - Northwes		· Petroleum					11/02/16 14:16	11/02/16 19:19	
	st - Semi-Volatile	Petroleum Qualifier		MDL	Unit	D	11/02/16 14:16 Prepared	11/02/16 19:19 Analyzed	Dil Fa
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO)	st - Semi-Volatile		Products (GC)	MDL	Unit mg/Kg	_ D ≅			Dil Fa
Method: NWTPH-Dx - Northwes Analyte	st - Semi-Volatile Result		Products (GC)	MDL			Prepared	Analyzed	Dil Fa
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	st - Semi-Volatile Result ND	Qualifier	Products (GC) RL 11	MDL	mg/Kg	₩	Prepared 11/03/16 08:36	<b>Analyzed</b> 11/03/16 11:20	Dil Fa
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	st - Semi-Volatile Result ND	Qualifier	Products (GC) RL 11 27	MDL	mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36	Analyzed 11/03/16 11:20 11/03/16 11:20	
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	st - Semi-Volatile Result ND ND	Qualifier	Products (GC) RL 11 27 Limits	MDL	mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared	Analyzed 11/03/16 11:20 11/03/16 11:20  Analyzed	
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	st - Semi-Volatile Result ND ND %Recovery	Qualifier	Products (GC) RL 11 27  Limits 50 - 150	MDL	mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36	Analyzed 11/03/16 11:20 11/03/16 11:20  Analyzed 11/03/16 11:20	

Client Sample ID: C-50

Lab Sample ID: 590-4874-9

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33

Percent Solids: 90.0

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	\$	11/02/16 14:16	11/02/16 19:46	1
2-Methylnaphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:46	1
1-Methylnaphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:46	1
Acenaphthylene	ND		0.011		mg/Kg	÷.	11/02/16 14:16	11/02/16 19:46	1
Acenaphthene	ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 19:46	1
Fluorene	ND		0.011		mg/Kg	章	11/02/16 14:16	11/02/16 19:46	1
Phenanthrene	ND		0.011		mg/Kg	許	11/02/16 14:16	11/02/16 19:46	1
Anthracene	ND		0.011		mg/Kg	Ü	11/02/16 14:16	11/02/16 19:46	1
Fluoranthene	ND		0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 19:46	1
Pyrene	ND		0.011		mg/Kg	岸	11/02/16 14:16	11/02/16 19:46	1
Benzo[a]anthracene	ND		0.011		mg/Kg	苡	11/02/16 14:16	11/02/16 19:46	1
Chrysene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 19:46	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-50

Lab Sample ID: 590-4874-9

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 90.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:46	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	垃	11/02/16 14:16	11/02/16 19:46	1
Benzo[a]pyrene	ND		0.011		mg/Kg	\$\$	11/02/16 14:16	11/02/16 19:46	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:46	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	対	11/02/16 14:16	11/02/16 19:46	1
Benzo[g,h,i]perylene	ND		0,011		mg/Kg	₩	11/02/16 14:16	11/02/16 19:46	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		23 - 120				11/02/16 14:16	11/02/16 19:46	1
2-Fluorobiphenyl (Surr)	68		38 - 123				11/02/16 14:16	11/02/16 19:46	1
p-Terphenyl-d14  Method: NWTPH-Dx - Northwest			, ,		11-:4		11/02/16 14:16	11/02/16 19:46	
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO)	- Semi-Volatile	Petroleum Qualifier		MDL	Unit mg/Kg	<b>D</b> ⊕	Prepared 11/03/16 08:36	Analyzed 11/03/16 11:33	
	- Semi-Volatile Result		Products (GC)				Prepared	Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	- Semi-Volatile Result ND	Qualifier	Products (GC) RL 11		mg/Kg	₩	Prepared 11/03/16 08:36	<b>Analyzed</b> 11/03/16 11:33	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	- Semi-Volatile Result ND	Qualifier	Products (GC) RL 11		mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36	Analyzed 11/03/16 11:33	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	- Semi-Volatile Result ND ND %Recovery	Qualifier	Products (GC) RL 11 26 Limits		mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared	Analyzed 11/03/16 11:33 11/03/16 11:33  Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	- Semi-Volatile Result ND ND Second S	Qualifier  Qualifier	Products (GC) RL 11 26  Limits 50 - 150 50 - 150	MDL	mg/Kg mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36 11/03/16 08:36	Analyzed 11/03/16 11:33 11/03/16 11:33  Analyzed 11/03/16 11:33 11/03/16 11:33	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl n-Triacontane-d62	- Semi-Volatile Result ND ND Second S	Qualifier	Products (GC)  RL  11  26  Limits  50 - 150		mg/Kg mg/Kg	₩	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36	Analyzed 11/03/16 11:33 11/03/16 11:33  Analyzed 11/03/16 11:33	Dil Fac

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

Date Collected: 11/02/16 10:30 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 90.0

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 20:12	1
2-Methylnaphthalene	ND	0.011		mg/Kg	草	11/02/16 14:16	11/02/16 20:12	1
1-Methylnaphthalene	ND	0,011		mg/Kg	华	11/02/16 14:16	11/02/16 20:12	1
Acenaphthylene	ND	0.011		mg/Kg	ŢŢ.	11/02/16 14:16	11/02/16 20:12	
Acenaphthene	ND	0.011		mg/Kg	☆	11/02/16 14:16	11/02/16 20:12	3
Fluorene	ND	0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 20:12	1
Phenanthrene	ND	0.011		mg/Kg	-\$1	11/02/16 14:16	11/02/16 20:12	1
Anthracene	ND	0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 20:12	1
Fluoranthene	ND	0.011		mg/Kg	华	11/02/16 14:16	11/02/16 20:12	1
Pyrene	ND	0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 20:12	1
Benzo[a]anthracene	ND	0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 20:12	1
Chrysene	ND	0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 20:12	.1
Benzo[b]fluoranthene	ND	0.011		mg/Kg	Ď.	11/02/16 14:16	11/02/16 20:12	.1
Benzo[k]fluoranthene	ND	0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 20:12	1
Benzo[a]pyrene	ND	0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 20:12	1
indeno[1,2,3-cd]pyrene	ND	0.011		mg/Kg	算	11/02/16 14:16	11/02/16 20:12	1
Dibenz(a,h)anthracene	ND	0.011		mg/Kg	₿	11/02/16 14:16	11/02/16 20:12	1
Benzo[g,h,i]perylene	ND	0.011		mg/Kg	Ø.	11/02/16 14:16	11/02/16 20:12	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

Date Collected: 11/02/16 10:30 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 90.0

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 Nitrobenzene-d5
 40
 23 - 120
 11/02/16 14:16
 11/02/16 20:12
 1

 2-Fluorobiphenyl (Surr)
 62
 38 - 123
 11/02/16 14:16
 11/02/16 20:12
 1

 p-Terphenyl-d14
 88
 69 - 136
 11/02/16 14:16
 11/02/16 20:12
 1

Analyte	Result Qualific	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
= Method: NWTPH-Dx - Northwes	t - Semi-Volatile Petro	leum Products (GC)						
p-Terphenyl-d14	88	68 - 136				11/02/16 14:16	11/02/16 20:12	1

(C10-C25)

Residual Range Organics (RRO)

ND

27

mg/Kg

11/03/16 08:36

11/03/16 11:47

(C25-C36)

Prepared Dil Fac Surrogate %Recovery Qualifier Limits Analyzed 50 - 150 11/03/16 08:36 11/03/16 11:47 o-Terphenyl 93 n-Triacontane-d62 92 50 - 150 11/03/16 08:36 11/03/16 11:47

 Method: 6010C - Metals (ICP)
 Result
 Qualifier
 RL
 MDL Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Lead
 11
 1.8
 mg/Kg
 \* 11/02/16 13:02
 11/03/16 11:51
 2

Client Sample ID: C-52

Lab Sample ID: 590-4874-11

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Collected: 11/02/16 11:00 Matrix: Solid

Date Received: 11/02/16 12:33 Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	草	11/02/16 14:16	11/02/16 20:38	1
2-Methylnaphthalene	ND		0.011		mg/Kg	475	11/02/16 14:16	11/02/16 20:38	1
1-Methylnaphthalene	ND		0.011		mg/Kg	Ü	11/02/16 14:16	11/02/16 20:38	1
Acenaphthylene	ND		0.011		mg/Kg	ф	11/02/16 14:16	11/02/16 20:38	1
Acenaphthene	ND		0.011		mg/Kg	ζŧ	11/02/16 14:16	11/02/16 20:38	1
Fluorene	ND		0.011		mg/Kg	☆	11/02/16 14:16	11/02/16 20:38	3
Phenanthrene	ND		0.011		mg/Kg	华	11/02/16 14:16	11/02/16 20:38	1
Anthracene	ND		0.011		mg/Kg	禁	11/02/16 14:16	11/02/16 20:38	1
Fluoranthene	ND		0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 20:38	1
Pyrene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 20:38	1
Benzo[a]anthracene	ND		0.011		mg/Kg	华	11/02/16 14:16	11/02/16 20:38	1
Chrysene	ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 20:38	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	≎	11/02/16 14:16	11/02/16 20:38	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	ť	11/02/16 14:16	11/02/16 20:38	1
Benzo[a]pyrene	ND		0.011		mg/Kg	1,15	11/02/16 14:16	11/02/16 20:38	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 20:38	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☆	11/02/16 14:16	11/02/16 20:38	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 20:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		23 - 120				11/02/16 14:16	11/02/16 20:38	1
2-Fluorobiphenyl (Surr)	67		38 - 123				11/02/16 14:16	11/02/16 20:38	1
p-Terphenyl-d14	91		68 - 136				11/02/16 14:16	11/02/16 20:38	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-52

Date Collected: 11/02/16 11:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-11

Matrix: Solid

Percent Solids: 87.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	Ħ	11/03/16 08:36	11/03/16 11:33	3
Residual Range Organics (RRO)	ND		27		mg/Kg	\$\$	11/03/16 08:36	11/03/16 11:33	3
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 11:33	- 8
n-Triacontane-d62	82		50 - 150				11/03/16 08:36	11/03/16 11:33	8
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.0		mg/Kg	**	11/02/16 13:02	11/03/16 11:54	

Client Sample ID: C-53

Date Collected: 11/02/16 10:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-12

Matrix: Solid

Percent Solids: 88,2

ate received. Thousand 12.00								i diddiit ddii	ao. ao,
Method: 8270D SIM - Semivola Analyte		ipounds (G Qualifier	C/MS SIM)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 21:04	1
2-Methylnaphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 21:04	1
1-Methylnaphthalene	ND		0.011		mg/Kg	贷	11/02/16 14:16	11/02/16 21:04	4
Acenaphthylene	ND		0.011		mg/Kg	於	11/02/16 14:16	11/02/16 21:04	9
Acenaphthene	ND		0.011		mg/Kg	章	11/02/16 14:16	11/02/16 21:04	1
Fluorene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 21:04	1
Phenanthrene	ND		0,011		mg/Kg	⇔	11/02/16 14:16	11/02/16 21:04	9
Anthracene	ND		0,011		mg/Kg	≎	11/02/16 14:16	11/02/16 21:04	1
Fluoranthene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 21:04	- 1
Pyrene	ND		0.011		mg/Kg	蒜	11/02/16 14:16	11/02/16 21:04	1
Benzo[a]anthracene	ND		0.011		mg/Kg	⇔	11/02/16 14:16	11/02/16 21:04	1
Chrysene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 21:04	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	\$\$	11/02/16 14:16	11/02/16 21:04	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	許	11/02/16 14:16	11/02/16 21:04	- 1
Benzo[a]pyrene	ND		0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 21:04	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	許	11/02/16 14:16	11/02/16 21:04	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	¤	11/02/16 14:16	11/02/16 21:04	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 21:04	- 1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		23 - 120				11/02/16 14:16	11/02/16 21:04	1
2-Fluorobiphenyl (Surr)	67		38 - 123				11/02/16 14:16	11/02/16 21:04	1
p-Terphenyl-d14	98		68 - 136				11/02/16 14:16	11/02/16 21:04	1
Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	#	11/03/16 08:36	11/03/16 11:47	1
Residual Range Organics (RRO) (C25-C36)	ND		28		mg/Kg	☼	11/03/16 08:36	11/03/16 11:47	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				11/03/16 08:36	11/03/16 11:47	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Analyzed

11/03/16 11:57

Dil Fac

Prepared

11/02/16 13:02

Analyte

Lead

Lab Sample ID: 590-4874-12 Client Sample ID: C-53

Matrix: Solid Date Collected: 11/02/16 10:00 Percent Solids: 88.2 Date Received: 11/02/16 12:33

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued) %Recovery Qualifier Prepared Analyzed Dil Fac 11/03/16 08:36 11/03/16 11:47 50 - 150 n-Triacontane-d62 83 Method: 6010C - Metals (ICP)

Client Sample ID: C-54 Lab Sample ID: 590-4874-13

RL

1.7

Result Qualifier

12

MDL Unit

mg/Kg

Matrix: Solid Date Collected: 11/02/16 11:00 Percent Solids: 96.3 Data Bassiyad: 11/02/16 12:22

Date Received: 11/02/16 12:33								Percent Soli	ds: 96.3
= Method: 8270D SIM - Semivolat	ile Organic Com	npounds (G	C/MS SIM)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0.010		mg/Kg	क्ष	11/02/16 14:16	11/02/16 21:31	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/02/16 21:31	1
1-Methylnaphthalene	ND		0,010		mg/Kg	\$	11/02/16 14:16	11/02/16 21:31	.1
Acenaphthylene	ND		0.010		mg/Kg	≎	11/02/16 14:16	11/02/16 21:31	3
Acenaphthene	ND		0.010		mg/Kg	#	11/02/16 14:16	11/02/16 21:31	1
Fluorene	ND		0.010		mg/Kg	算	11/02/16 14:16	11/02/16 21:31	1
Phenanthrene	ND		0.010		mg/Kg	₿	11/02/16 14:16	11/02/16 21:31	1
Anthracene	ND		0.010		mg/Kg	袋	11/02/16 14:16	11/02/16 21:31	1
Fluoranthene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 21:31	1
Pyrene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 21:31	1
Benzo[a]anthracene	ND		0,010		mg/Kg	#	11/02/16 14:16	11/02/16 21:31	1
Chrysene	ND		0,010		mg/Kg	₽	11/02/16 14:16	11/02/16 21:31	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	##	11/02/16 14:16	11/02/16 21:31	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	XF.	11/02/16 14:16	11/02/16 21:31	1
Benzo[a]pyrene	ND		0.010		mg/Kg	ŧĢΕ	11/02/16 14:16	11/02/16 21:31	9
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 21:31	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	ťΞ	11/02/16 14:16	11/02/16 21:31	3
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 21:31	3
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	53		23 - 120				11/02/16 14:16	11/02/16 21:31	- 1
2-Fluorobiphenyl (Surr)	66		38 - 123				11/02/16 14:16	11/02/16 21:31	9
p-Terphenyl-d14	89		68 - 136				11/02/16 14:16	11/02/16 21:31	3
- Method: NWTPH-Dx - Northwes	st - Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	#	11/03/16 08:36	11/03/16 12:01	10
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	ţţ.	11/03/16 08:36	11/03/16 12:01	-
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 12:01	- 6
n-Triacontane-d62	89		50 - 150				11/03/16 08:36	11/03/16 12:01	9
- Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	9.5		2.0		mg/Kg	***	11/02/16 13:02	11/03/16 12:01	2

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-55

Lab Sample ID: 590-4874-14

Date Collected: 11/02/16 11:00 Date Received: 11/02/16 12:33

Matrix: Solid Percent Solids: 95.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0.010		mg/Kg	章	11/02/16 14:16	11/02/16 21:57	
2-Methylnaphthalene	ND		0.010		mg/Kg	Ħ	11/02/16 14:16	11/02/16 21:57	
1-Methylnaphthalene	ND		0.010		mg/Kg	禁	11/02/16 14:16	11/02/16 21:57	
Acenaphthylene	ND		0.010		mg/Kg	ÇF.	11/02/16 14:16	11/02/16 21:57	į.
Acenaphthene	ND		0,010		mg/Kg	故	11/02/16 14:16	11/02/16 21:57	
Fluorene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/02/16 21:57	3
Phenanthrene	ND		0.010		mg/Kg	京	11/02/16 14:16	11/02/16 21:57	
Anthracene	ND		0,010		mg/Kg	ζ£	11/02/16 14:16	11/02/16 21:57	
Fluoranthene	ND		0.010		mg/Kg	\$	11/02/16 14:16	11/02/16 21:57	
Pyrene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/02/16 21:57	1
Benzo[a]anthracene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/02/16 21:57	
Chrysene	ND		0.010		mg/Kg	口口	11/02/16 14:16	11/02/16 21:57	3
Benzo[b]fluoranthene	ND		0.010		mg/Kg	Ħ	11/02/16 14:16	11/02/16 21:57	
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☆	11/02/16 14:16	11/02/16 21:57	9
Benzo[a]pyrene	ND		0.010		mg/Kg	ij.	11/02/16 14:16	11/02/16 21:57	
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	-\$5	11/02/16 14:16	11/02/16 21:57	
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/02/16 21:57	
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	详	11/02/16 14:16	11/02/16 21:57	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	54		23 - 120				11/02/16 14:16	11/02/16 21:57	
2-Fluorobiphenyl (Surr)	71		38 - 123				11/02/16 14:16	11/02/16 21:57	
p-Terphenyl-d14	92		68 - 136				11/02/16 14:16	11/02/16 21:57	
Method: NWTPH-Dx - Northwest	- Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	*	11/03/16 08:36	11/03/16 12:14	
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	ά	11/03/16 08:36	11/03/16 12:14	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	92		50 - 150				11/03/16 08:36	11/03/16 12:14	
n-Triacontane-d62	87		50 - 150				11/03/16 08:36	11/03/16 12:14	
Method: 6010C - Metals (ICP)	<u> </u>	0 47	ъ.		1114	_	<b>D</b>	Austraad	Dil 5
Analyte	Result	Qualifier	RL	MDE	Unit	D	Prepared	Analyzed	Dil Fa

Client Sample ID: C-56

Lab Sample ID: 590-4874-15

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33

Percent Solids: 84.1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.012		mg/Kg	<u>\$</u>	11/02/16 14:16	11/02/16 22:23	1
2-Methylnaphthalene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 22:23	1
1-Methylnaphthalene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:23	1
Acenaphthylene	ND		0.012		mg/Kg	\$	11/02/16 14:16	11/02/16 22:23	1
Acenaphthene	ND		0.012		mg/Kg	尊	11/02/16 14:16	11/02/16 22:23	1
Fluorene	ND		0.012		mg/Kg	≎	11/02/16 14:16	11/02/16 22:23	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-56

Lab Sample ID: 590-4874-15

Matrix: Solid

Percent Solids: 84.1

Date Collected: 11/02/16 11:30	
Date Received: 11/02/16 12:33	

ND ND ND ND ND		0.012 0.012 0.012 0.012 0.012		mg/Kg mg/Kg mg/Kg mg/Kg	# # #	11/02/16 14:16 11/02/16 14:16 11/02/16 14:16	11/02/16 22:23 11/02/16 22:23 11/02/16 22:23	1
ND ND ND		0.012 0.012		mg/Kg	₩			
ND ND ND		0.012				11/02/16 14:16	11/02/16 22:23	94
ND ND				ma/Ka	335			119
ND		0.012			244	11/02/16 14:16	11/02/16 22:23	1
				mg/Kg	許	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:23	4
		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	珙	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	贷	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	☆	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	Ħ	11/02/16 14:16	11/02/16 22:23	1
ND		0.012		mg/Kg	华	11/02/16 14:16	11/02/16 22:23	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
59		23 - 120				11/02/16 14:16	11/02/16 22:23	1
72		38 - 123				11/02/16 14:16	11/02/16 22:23	1
89		68 - 136				11/02/16 14:16	11/02/16 22:23	1
ni-Volatile	Petroleum	Products (GC)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
ND		11		mg/Kg	₽	11/03/16 08:36	11/03/16 12:01	1
ND		29		mg/Kg	₿	11/03/16 08:36	11/03/16 12:01	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
92		50 <sub>-</sub> 150				11/03/16 08:36	11/03/16 12:01	- 4
96		50 - 150				11/03/16 08:36	11/03/16 12:01	S
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	ND ND %Recovery 59 72 89 mi-Volatile Result ND ND %Recovery 92 96	ND ND ND %Recovery 59 72 89 mi-Volatile Result ND ND ND %Recovery 92 96 Result Qualifier Qualifier  Qualifier	ND	ND         0.012           ND         0.012           %Recovery         Qualifier         Limits           59         23 - 120           72         38 - 123           89         68 - 136           mi-Volatile         Petroleum Products (GC)           Result         Qualifier         RL         MDL           ND         11           ND         29           %Recovery         Qualifier         Limits           92         50 - 150           96         50 - 150           Result         Qualifier         RL         MDL	ND         0.012         mg/kg           ND         0.012         mg/kg           ND         0.012         mg/kg           %Recovery         Qualifier         Limits           59         23 - 120         72           72         38 - 123         89           89         68 - 136           mi-Volatile         Petroleum Products (GC)           Result         Qualifier         RL         MDL         Unit           ND         11         mg/kg           ND         29         mg/kg           %Recovery         Qualifier         Limits           92         50 - 150           Result         Qualifier         RL         MDL         Unit	ND	ND	ND         0.012         mg/Kg         □ 11/02/16 14:16         11/02/16 22:23           ND         0.012         mg/Kg         □ 11/02/16 14:16         11/02/16 22:23           ND         0.012         mg/Kg         □ 11/02/16 14:16         11/02/16 22:23           %Recovery         Qualifier         Limits         Prepared         Analyzed           59         23 - 120         11/02/16 14:16         11/02/16 22:23           72         38 - 123         11/02/16 14:16         11/02/16 22:23           89         68 - 136         11/02/16 14:16         11/02/16 22:23           mi-Volatile Petroleum Products (GC)         Prepared         Analyzed           ND         11         mg/Kg         □ 11/03/16 08:36         11/03/16 12:01           ND         29         mg/Kg         □ 11/03/16 08:36         11/03/16 12:01           %Recovery         Qualifier         Limits         Prepared         Analyzed           %Result

Client Sample ID: C-57

Lab Sample ID: 590-4874-16

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33

Percent Solids: 85.0

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.012		mg/Kg	325	11/02/16 14:16	11/02/16 22:50	1
2-Methylnaphthalene	ND		0.012		mg/Kg	≎	11/02/16 14:16	11/02/16 22:50	1
1-Methylnaphthalene	ND		0.012		mg/Kg	华	11/02/16 14:16	11/02/16 22:50	1
Acenaphthylene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 22:50	1
Acenaphthene	ND		0.012		mg/Kg	章	11/02/16 14:16	11/02/16 22:50	1
Fluorene	ND		0.012		mg/Kg	口口	11/02/16 14:16	11/02/16 22:50	- 1
Phenanthrene	ND		0.012		mg/Kg	許	11/02/16 14:16	11/02/16 22:50	1
Anthracene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 22:50	1
Fluoranthene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:50	1
Pyrene	ND		0.012		mg/Kg	₽	11/02/16 14:16	11/02/16 22:50	1
Benzo[a]anthracene	ND		0.012		mg/Kg	žξE	11/02/16 14:16	11/02/16 22:50	1
Chrysene	ND		0.012		mg/Kg	☆	11/02/16 14:16	11/02/16 22:50	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-57

Lab Sample ID: 590-4874-16

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 85.0

Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:50	1
Benzo[k]fluoranthene	ND		0.012		mg/Kg	袋	11/02/16 14:16	11/02/16 22:50	1
Benzo[a]pyrene	ND		0.012		mg/Kg	ťΕ	11/02/16 14:16	11/02/16 22:50	1
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/02/16 22:50	1
Dibenz(a,h)anthracene	ND		0.012		mg/Kg	ξŒ	11/02/16 14:16	11/02/16 22:50	9
Benzo[g,h,i]perylene	ND		0.012		mg/Kg	≎	11/02/16 14:16	11/02/16 22:50	i.
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	61		23 - 120				11/02/16 14:16	11/02/16 22:50	- 35
2-Fluorobiphenyl (Surr)	75		38 - 123				11/02/16 14:16	11/02/16 22:50	4
	99 st - Semi-Volatile	Petroleum	68 - 136 Products (GC)				11/02/16 14:16	11/02/16 22:50	al de
p-Terphenyl-d14 	st - Semi-Volatile		Products (GC)						
	st - Semi-Volatile	Petroleum Qualifier		MDL	Unit mg/Kg	D ====	11/02/16 14:16  Prepared  11/03/16 08:36	11/02/16 22:50  Analyzed  11/03/16 12:14	1-1
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO)	st - Semi-Volatile Result ND		Products (GC) RL 11		mg/Kg	#	Prepared 11/03/16 08:36	<b>Analyzed</b> 11/03/16 12:14	
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	st - Semi-Volatile Result		Products (GC)				Prepared	Analyzed	
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	st - Semi-Volatile Result ND		Products (GC) RL 11		mg/Kg	#	Prepared 11/03/16 08:36	<b>Analyzed</b> 11/03/16 12:14	
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	st - Semi-Volatile Result ND	Qualifier	Products (GC) RL 11		mg/Kg	#	Prepared 11/03/16 08:36	<b>Analyzed</b> 11/03/16 12:14	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	st - Semi-Volatile Result ND	Qualifier	Products (GC) RL 11		mg/Kg	#	Prepared 11/03/16 08:36 11/03/16 08:36	Analyzed 11/03/16 12:14 11/03/16 12:14	Dil Fa
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	st - Semi-Volatile Result ND ND %Recovery	Qualifier	Products (GC) RL 11 28 Limits		mg/Kg	#	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared	Analyzed 11/03/16 12:14 11/03/16 12:14  Analyzed	Dil Fac
Method: NWTPH-Dx - Northwest Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl n-Triacontane-d62	st - Semi-Volatile Result ND ND %Recovery 93	Qualifier	Products (GC) RL 11 28  Limits 50 - 150		mg/Kg	#	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36	Analyzed 11/03/16 12:14 11/03/16 12:14  Analyzed 11/03/16 12:14	Dil Fac
Method: NWTPH-Dx - Northwes	St - Semi-Volatile Result ND ND %Recovery 93 103	Qualifier	Products (GC) RL 11 28  Limits 50 - 150		mg/Kg mg/Kg	#	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36	Analyzed 11/03/16 12:14 11/03/16 12:14  Analyzed 11/03/16 12:14	Dil Fac

Client Sample ID: C-58

Date Collected: 11/02/16 11:30

Lab Sample ID: 590-4874-17 Matrix: Solid

Percent Solids: 88.4

Date Received: 11/02/16 12:33

Percent

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 23:16	1
2-Methylnaphthalene	ND		0,011		mg/Kg	**	11/02/16 14:16	11/02/16 23:16	1
1-Methylnaphthalene	ND		0.011		mg/Kg	Ħ	11/02/16 14:16	11/02/16 23:16	1
Acenaphthylene	ND		0.011		mg/Kg	☆	11/02/16 14:16	11/02/16 23:16	1
Acenaphthene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/02/16 23:16	1
Fluorene	ND		0.011		mg/Kg	Ħ	11/02/16 14:16	11/02/16 23:16	1
Phenanthrene	ND		0.011		mg/Kg	尊	11/02/16 14:16	11/02/16 23:16	1
Anthracene	ND		0.011		mg/Kg	Ħ	11/02/16 14:16	11/02/16 23:16	1
Fluoranthene	ND		0.011		mg/Kg	松	11/02/16 14:16	11/02/16 23:16	3
Pyrene	ND		0.011		mg/Kg	Þ	11/02/16 14:16	11/02/16 23:16	1
Benzo[a]anthracene	ND		0.011		mg/Kg	鉄	11/02/16 14:16	11/02/16 23:16	1
Chrysene	ND		0,011		mg/Kg	\$	11/02/16 14:16	11/02/16 23:16	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	Ľ,	11/02/16 14:16	11/02/16 23:16	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/02/16 23:16	1
Benzo[a]pyrene	ND		0.011		mg/Kg	\$	11/02/16 14:16	11/02/16 23:16	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	\$	11/02/16 14:16	11/02/16 23:16	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	許	11/02/16 14:16	11/02/16 23:16	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	Ď.	11/02/16 14:16	11/02/16 23:16	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-58

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-17

Matrix: Solid

Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		23 - 120	11/02/16 14:16	11/02/16 23:16	1
2-Fluorobiphenyl (Surr)	76		38 - 123	11/02/16 14:16	11/02/16 23:16	1
p-Terphenyl-d14	98		68 <sub>-</sub> 136	11/02/16 14:16	11/02/16 23:16	1

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND	11		mg/Kg	₿	11/03/16 08:36	11/03/16 12:32	1
Residual Range Organics (RRO) (C25-C36)	ND	27		mg/Kg	⇔	11/03/16 08:36	11/03/16 12:32	1

Surrogate	%Recovery Quality	fier Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93	50 - 150	11/03/16 08:36	11/03/16 12:32	1
n-Triacontane-d62	97	50 - 150	11/03/16 08:36	11/03/16 12:32	1

Method: 6010C - Metals (ICP)	Result Qualifier	RL MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Lead	12	1.9	mg/Kg	= = =	11/02/16 13:02	11/03/16 12:14	2	

 Client Sample ID: C-59
 Lab Sample ID: 590-4874-18

 Date Collected: 11/02/16 11:30
 Matrix: Solid

 Date Received: 11/02/16 12:33
 Percent Solids: 84.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	禁	11/02/16 14:16	11/03/16 10:07	1
2-Methylnaphthalene	ND		0.011		mg/Kg	\$	11/02/16 14:16	11/03/16 10:07	1
1-Methylnaphthalene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/03/16 10:07	1
Acenaphthylene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/03/16 10:07	1
Acenaphthene	ND		0.011		mg/Kg	草	11/02/16 14:16	11/03/16 10:07	1
Fluorene	ND		0.011		mg/Kg	於	11/02/16 14:16	11/03/16 10:07	1
Phenanthrene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/03/16 10:07	1
Anthracene	ND		0.011		mg/Kg	₿	11/02/16 14:16	11/03/16 10:07	1
Fluoranthene	ND		0.011		mg/Kg	₽	11/02/16 14:16	11/03/16 10:07	1
Pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/03/16 10:07	1
Benzo[a]anthracene	ND		0.011		mg/Kg	:\$€	11/02/16 14:16	11/03/16 10:07	1
Chrysene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/03/16 10:07	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/03/16 10:07	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	₿	11/02/16 14:16	11/03/16 10:07	1
Benzo[a]pyrene	ND		0:011		mg/Kg	Ü	11/02/16 14:16	11/03/16 10:07	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₿	11/02/16 14:16	11/03/16 10:07	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	₩	11/02/16 14:16	11/03/16 10:07	1
Benzo[g,h,i]peryleпе	ND		0.011		mg/Kg	故	11/02/16 14:16	11/03/16 10:07	1
Surrogate	%Recovery	Qualifier L	imits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66	2:	3 _ 120				11/02/16 14:16	11/03/16 10:07	1
2-Fluorobiphenyl (Surr)	81	3	9 - 123				11/02/16 14:16	11/03/16 10:07	1
p-Terphenyl-d14	98	6	3 <sub>-</sub> 136				11/02/16 14:16	11/03/16 10:07	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-59

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-18

Matrix: Solid

Percent Solids: 84.8

Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	Ħ	11/03/16 08:36	11/03/16 12:46	i
Residual Range Organics (RRO) (C25-C36)	ND		28		mg/Kg	#	11/03/16 08:36	11/03/16 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 12:46	1
n-Triacontane-d62	101		50 - 150				11/03/16 08:36	11/03/16 12:46	1
Method: 6010C - Metals (ICP)									
8 1.4-	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	T Count	- autor							

Client Sample ID: C-60

Date Collected: 11/02/16 11:30

Lab Sample ID: 590-4874-19

Matrix: Solid

Pate Received: 11/02/16 12:33								Percent Soli	ds: 95.6
Method: 8270D SIM - Semivola Analyte		pounds (G	C/MS SIM) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	#	11/02/16 14:16	11/03/16 00:08	
2-Methylnaphthalene	ND		0.010		mg/Kg	鉄	11/02/16 14:16	11/03/16 00:08	15
1-Methylnaphthalene	ND		0.010		mg/Kg	許	11/02/16 14:16	11/03/16 00:08	1
Acenaphthylene	ND		0.010		mg/Kg	許	11/02/16 14:16	11/03/16 00:08	1
Acenaphthene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
Fluorene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/03/16 00:08	3
Phenanthrene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/03/16 00:08	1
Anthracene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/03/16 00:08	1
Fluoranthene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/03/16 00:08	1
Pyrene	ND		0.010		mg/Kg	⇔	11/02/16 14:16	11/03/16 00:08	1
Benzo[a]anthracene	ND		0.010		mg/Kg	贷	11/02/16 14:16	11/03/16 00:08	1
Chrysene	ND		0.010		mg/Kg	贷	11/02/16 14:16	11/03/16 00:08	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	尊	11/02/16 14:16	11/03/16 00:08	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	<b>*</b>	11/02/16 14:16	11/03/16 00:08	1
Benzo[a]pyrene	ND		0.010		mg/Kg	₽	11/02/16 14:16	11/03/16 00:08	3
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	苁	11/02/16 14:16	11/03/16 00:08	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	¤	11/02/16 14:16	11/03/16 00:08	
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	₩	11/02/16 14:16	11/03/16 00:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	60		23 - 120				11/02/16 14:16	11/03/16 00:08	1
2-Fluorobiphenyl (Surr)	76		38 - 123				11/02/16 14:16	11/03/16 00:08	g
p-Terphenyl-d14	92		68 - 136				11/02/16 14:16	11/03/16 00:08	61
Method: NWTPH-Dx - Northwe	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	ή	11/03/16 08:36	11/03/16 12:32	i i
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	₩	11/03/16 08:36	11/03/16 12:32	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	87		50 - 150				11/03/16 08:36	11/03/16 12:32	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-60

Lab Sample ID: 590-4874-19

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33

Matrix: Solid Percent Solids: 95.6

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

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 n-Triacontane-d62
 81
 50 - 150
 11/03/16 08:36
 11/03/16 12:32
 1

Method: 6010C - Metals (ICP)

Analyte Result Qualifler RL MDL Unit D Prepared Analyzed Dil Fac

Lead 13 2.1 mg/Kg 11/02/16 13:02 11/03/16 12:29 2

Client Sample ID: C-61 Lab Sample ID: 590-4874-20

Date Collected: 11/02/16 12:00 Matrix: Solid
Date Received: 11/02/16 12:33 Percent Solids: 84.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0.012		mg/Kg	尊	11/02/16 14:16	11/03/16 00:35	- 3
2-Methylnaphthalene	ND		0.012		mg/Kg	☆	11/02/16 14:16	11/03/16 00:35	9
1-Methylnaphthalene	ND		0.012		mg/Kg	\$	11/02/16 14:16	11/03/16 00:35	9
Acenaphthylene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/03/16 00:35	1
Acenaphthene	ND		0.012		mg/Kg	許	11/02/16 14:16	11/03/16 00:35	3
Fluorene	ND		0.012		mg/Kg	草	11/02/16 14:16	11/03/16 00:35	9
Phenanthrene	ND		0.012		mg/Kg	許	11/02/16 14:16	11/03/16 00:35	3
Anthracene	ND		0.012		mg/Kg	ф	11/02/16 14:16	11/03/16 00:35	3
Fluoranthene	ND		0,012		mg/Kg	≎	11/02/16 14:16	11/03/16 00:35	f
Pyrene	ND		0,012		mg/Kg	华	11/02/16 14:16	11/03/16 00:35	1
Benzo[a]anthracene	ND		0,012		mg/Kg	-\$5	11/02/16 14:16	11/03/16 00:35	
Chrysene	ND		0.012		mg/Kg	₩	11/02/16 14:16	11/03/16 00:35	
Benzo[b]fluoranthene	ND		0.012		mg/Kg	贷	11/02/16 14:16	11/03/16 00:35	
Benzo[k]fluoranthene	ND		0.012		mg/Kg	岸	11/02/16 14:16	11/03/16 00:35	
Benzo[a]pyrene	ND		0.012		mg/Kg	鉄	11/02/16 14:16	11/03/16 00:35	
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	*	11/02/16 14:16	11/03/16 00:35	
Dibenz(a,h)anthracene	ND		0.012		mg/Kg	菜	11/02/16 14:16	11/03/16 00:35	
Benzo[g,h,i]perylene	ND		0,012		mg/Kg	尊	11/02/16 14:16	11/03/16 00:35	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	53		23 - 120				11/02/16 14:16	11/03/16 00:35	
2-Fluorobiphenyl (Surr)	67		38 - 123				11/02/16 14:16	11/03/16 00:35	
p-Terphenyl-d14	89		68 - 136				11/02/16 14:16	11/03/16 00:35	
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		12		mg/Kg	#	11/03/16 08:36	11/03/16 12:46	
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	ţ.	11/03/16 08:36	11/03/16 12:46	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	91		50 - 150				11/03/16 08:36	11/03/16 12:46	
n-Triacontane-d62	89		50 - 150				11/03/16 08:36	11/03/16 12:46	
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	8,5		2.3		mg/Kg	**	11/02/16 13:02	11/03/16 12:33	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-62

Lab Sample ID: 590-4874-21

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 88.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0,011		mg/Kg	175	11/03/16 08:15	11/03/16 12:08	
2-Methylnaphthalene	ND		0,011		mg/Kg	ф	11/03/16 08:15	11/03/16 12:08	
1-Methylnaphthalene	ND		0.011		mg/Kg	:‡:	11/03/16 08:15	11/03/16 12:08	
Acenaphthylene	ND		0,011		mg/Kg	鉄	11/03/16 08:15	11/03/16 12:08	
Acenaphthene	ND		0.011		mg/Kg	₩.	11/03/16 08:15	11/03/16 12:08	
Fluorene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:08	
Phenanthrene	ND		0.011		mg/Kg	☆	11/03/16 08:15	11/03/16 12:08	
Anthracene	ND		0.011		mg/Kg	\$\$	11/03/16 08:15	11/03/16 12:08	
Fluoranthene	ND		0,011		mg/Kg	3\$5	11/03/16 08:15	11/03/16 12:08	
Pyrene	ND		0.011		mg/Kg	-☆-	11/03/16 08:15	11/03/16 12:08	
Benzo[a]anthracene	ND		0.011		mg/Kg	₿	11/03/16 08:15	11/03/16 12:08	
Chrysene	ND		0.011		mg/Kg	贷	11/03/16 08:15	11/03/16 12:08	
Benzo[b]fluoranthene	ND		0,011		mg/Kg	Ď.	11/03/16 08:15	11/03/16 12:08	
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:08	
Benzo[a]pyrene	ND		0.011		mg/Kg	ĊF-	11/03/16 08:15	11/03/16 12:08	
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	鉄	11/03/16 08:15	11/03/16 12:08	
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 12:08	
Benzo[g,h,i]perylene	ND		0,011		mg/Kg	\$	11/03/16 08:15	11/03/16 12:08	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	62		23 - 120				11/03/16 08:15	11/03/16 12:08	
2-Fluorobiphenyl (Surr)	78		38 - 123				11/03/16 08:15	11/03/16 12:08	
p-Terphenyl-d14	100		68 - 136				11/03/16 08:15	11/03/16 12:08	
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	e Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		11		mg/Kg	₩	11/03/16 08:36	11/03/16 13:20	
Residual Range Organics (RRO) (C25-C36)	ND		28		mg/Kg	Ċ.	11/03/16 08:36	11/03/16 13:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	94		50 _ 150				11/03/16 08:36	11/03/16 13:20	
n-Triacontane-d62	87		50 - 150				11/03/16 08:36	11/03/16 13:20	
Method: 6010C - Metals (ICP) Analyte		0	~:		11	_	D	A1	B
BRAILITA	Docult	Qualifler	RL	MIDI	Unit	D	Prepared	Analyzed	DII Fa

Client Sample ID: C-63

Lab Sample ID: 590-4874-22

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 85.1

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.011		mg/Kg	尊	11/03/16 08:15	11/03/16 12:34	1
2-Methylnaphthalene	ND	0.011		mg/Kg	Ħ	11/03/16 08:15	11/03/16 12:34	1
1-Methylnaphthalene	ND	0.011		mg/Kg	#\$F	11/03/16 08:15	11/03/16 12:34	1
Acenaphthylene	ND	0.011		mg/Kg	共	11/03/16 08:15	11/03/16 12:34	1
Acenaphthene	ND	0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 12:34	1
Fluorene	ND	0.011		mg/Kg	草	11/03/16 08:15	11/03/16 12:34	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-63

Lab Sample ID: 590-4874-22

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 85.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND	-	0,011		mg/Kg	₩	11/03/16 0B:15	11/03/16 12:34	
Anthracene	ND		0.011		mg/Kg	\$	11/03/16 08:15	11/03/16 12:34	9
Fluoranthene	ND		0.011		mg/Kg	Ċŧ	11/03/16 08:15	11/03/16 12:34	1
Pyrene	ND		0.011		mg/Kg	禁	11/03/16 08:15	11/03/16 12:34	ř
Benzo[a]anthracene	ND		0.011		mg/Kg	<b>\$</b> \$	11/03/16 08:15	11/03/16 12:34	3
Chrysene	ND		0.011		mg/Kg	Ħ	11/03/16 08:15	11/03/16 12:34	2
Benzo[b]fluoranthene	ND		0.011		mg/Kg	草	11/03/16 08:15	11/03/16 12:34	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 12:34	
Benzo[a]pyrene	ND		0,011		mg/Kg	33	11/03/16 08:15	11/03/16 12:34	3
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 12:34	3
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	₽	11/03/16 08:15	11/03/16 12:34	3
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	<b>\$</b>	11/03/16 08:15	11/03/16 12:34	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	48		23 - 120				11/03/16 08:15	11/03/16 12:34	
2-Fluorobiphenyl (Surr)	61		38 - 123				11/03/16 08:15	11/03/16 12:34	
p-Terphenyl-d14	82		68 - 136				11/03/16 08:15	11/03/16 12:34	
Method: NWTPH-Dx - Northwes	st - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		12		mg/Kg	❖	11/03/16 08:36	11/03/16 13:33	
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	₽	11/03/16 08:36	11/03/16 13:33	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	92		50 - 150				11/03/16 08:36	11/03/16 13:33	
n-Triacontane-d62	87		50 - 150				11/03/16 08:36	11/03/16 13:33	
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	9.5		2.4		mg/Kg	尊	11/02/16 13:02	11/03/16 12:39	

Client Sample ID: C-64

Date Collected: 11/02/16 12:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-23

Matrix: Solid

Percent Solids: 87.8

Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.011		mg/Kg	#	11/03/16 08:15	11/03/16 12:58	1
2-Methylnaphthalene	ND		0.011		mg/Kg	₽	11/03/16 08:15	11/03/16 12:58	1
1-Methylnaphthalene	ND		0.011		mg/Kg	₽	11/03/16 08:15	11/03/16 12:58	1
Acenaphthylene	ND		0.011		mg/Kg	¢	11/03/16 08:15	11/03/16 12:58	1
Acenaphthene	ND		0.011		mg/Kg	<b>\$</b>	11/03/16 08:15	11/03/16 12:58	1
Fluorene	ND		0.011		mg/Kg	₽	11/03/16 08:15	11/03/16 12:58	1
Phenanthrene	ND		0.011		mg/Kg	ij	11/03/16 08:15	11/03/16 12:58	1
Anthracene	ND		0,011		mg/Kg	≎	11/03/16 08:15	11/03/16 12:58	1
Fluoranthene	ND		0.011		mg/Kg	☆	11/03/16 08:15	11/03/16 12:58	1
Pyrene	ND		0,011		mg/Kg	₩.	11/03/16 08:15	11/03/16 12:58	1
Benzo[a]anthracene	ND		0.011		mg/Kg	₿	11/03/16 08:15	11/03/16 12:58	1
Chrysene	ND		0.011		mg/Kg	<b>☆</b>	11/03/16 08:15	11/03/16 12:58	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-64

Lab Sample ID: 590-4874-23

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 87.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.011		mg/Kg	<b>☆</b>	11/03/16 08:15	11/03/16 12:58	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	ψ.	11/03/16 08:15	11/03/16 12:58	1
Benzo[a]pyrene	ND		0.011		mg/Kg	<b>☆</b>	11/03/16 08:15	11/03/16 12:58	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	4\$	11/03/16 08:15	11/03/16 12:58	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	禁	11/03/16 08:15	11/03/16 12:58	
Benzo[g,h,i]perylene	ND		0,011		mg/Kg	#	11/03/16 08:15	11/03/16 12:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	55		23 - 120				11/03/16 08:15	11/03/16 12:58	1
			00 400				11/03/16 08:15	11/03/16 12:58	- 1
2-Fluorobiphenyl (Surr)	68		38 - 123				11/03/10 00.13	1 17007 10 72.00	12
2-Fluorobiphenyl (Surr) p-Terphenyl-d14	68 82		38 - 123 68 - 136				11/03/16 08:15	11/03/16 12:58	1
p-Terphenyl-d14	82	Potroloum	68 - 136						1
	82 t - Semi-Volatile	Petroleum Qualifier	68 - 136	MDL	Unit	D			Dil Fac
p-Terphenyl-d14 Method: NWTPH-Dx - Northwes	82 t - Semi-Volatile		68 <sub>-</sub> 136 Products (GC)		Unit mg/Kg	<b>D</b>	11/03/16 08:15	11/03/16 12:58	Dil Fac
p-Terphenyl-d14 Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO)	82 t - Semi-Volatile Result		68 - 136 Products (GC) RL				11/03/16 08:15 Prepared	11/03/16 12:58 Analyzed	
p-Terphenyl-d14  Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	82 t - Semi-Volatile Result ND	Qualifier	68 - 136 Products (GC) RL		mg/Kg	*	11/03/16 08:15  Prepared  11/03/16 08:36	11/03/16 12:58  Analyzed  11/03/16 13:20	1
p-Terphenyl-d14  Method: NWTPH-Dx - Northwes Analyte  Diesel Range Organics (DRO) (C10-C25)  Residual Range Organics (RRO) (C25-C36)	82 t - Semi-Volatile Result ND	Qualifier	68 - 136 Products (GC) RL 11 27		mg/Kg	*	Prepared 11/03/16 08:36 11/03/16 08:36	Analyzed 11/03/16 13:20 11/03/16 13:20	Dil Fac
p-Terphenyl-d14  Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	t - Semi-Volatile Result ND ND %Recovery	Qualifier	68 - 136  Products (GC) RL 11 27  Limits		mg/Kg	*	Prepared 11/03/16 08:36 11/03/16 08:36 Prepared	Analyzed 11/03/16 13:20 11/03/16 13:20 Analyzed	Dil Fa
p-Terphenyl-d14  Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	t - Semi-Volatile Result ND ND  %Recovery 95 98	Qualifier	68 - 136  Products (GC) RL 11 27  Limits 50 - 150	MDL	mg/Kg	*	Prepared 11/03/16 08:36 11/03/16 08:36  Prepared 11/03/16 08:36	Analyzed 11/03/16 13:20 11/03/16 13:20  Analyzed 11/03/16 13:20	Dil Fac

Client Sample ID: C-65

Lab Sample ID: 590-4874-24 Matrix: Solid

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33

Percent Solids: 86.8

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.011		mg/Kg	**	11/03/16 08:15	11/03/16 13:21	1
2-Methylnaphthalene	ND	0.011		mg/Kg	#	11/03/16 08:15	11/03/16 13:21	1
1-Methylnaphthalene	ND	0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 13:21	1
Acenaphthylene	ND	0.011		mg/Kg	:⊅i	11/03/16 08:15	11/03/16 13:21	1
Acenaphthene	ND	0.011		mg/Kg	<b>\$</b>	11/03/16 08:15	11/03/16 13:21	1
Fluorene	ND	0.011		mg/Kg	ø	11/03/16 08:15	11/03/16 13:21	1
Phenanthrene	ND	0.011		mg/Kg	贷	11/03/16 08:15	11/03/16 13:21	1
Anthracene	ND	0.011		mg/Kg	₿	11/03/16 08:15	11/03/16 13:21	1
Fluoranthene	ND	0.011		mg/Kg	₩	11/03/16 08:15	11/03/16 13:21	1
Pyrene	ND	0.011		mg/Kg	₽	11/03/16 08:15	11/03/16 13:21	1
Benzo[a]anthracene	ND	0.011		mg/Kg	<b>#</b>	11/03/16 08:15	11/03/16 13:21	1
Chrysene	ND	0.011		mg/Kg	算	11/03/16 08:15	11/03/16 13:21	1
Benzo[b]fluoranthene	ND	0.011		mg/Kg	計	11/03/16 08:15	11/03/16 13:21	- 1
Benzo[k]fluoranthene	ND	0.011		mg/Kg	贷	11/03/16 08:15	11/03/16 13:21	र्व
Benzo[a]pyrene	ND	0.011		mg/Kg	⇔	11/03/16 08:15	11/03/16 13:21	1
Indeno[1,2,3-cd]pyrene	ND	0.011		mg/Kg	\$	11/03/16 08:15	11/03/16 13:21	1
Dibenz(a,h)anthracene	ND	0.011		mg/Kg	\$	11/03/16 08:15	11/03/16 13:21	1
Benzo[g,h,i]perylene	ND	0.011		mg/Kg	Ħ	11/03/16 08:15	11/03/16 13:21	1

TestAmerica Spokane

11/3/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-65

Lab Sample ID: 590-4874-24

Date Collected: 11/02/16 12:00

Matrix: Solid Percent Solids: 86.8

	,
Date Received: 11/02/16 12:33	

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		23 - 120				11/03/16 08:15	11/03/16 13:21	1
2-Fluorobiphenyl (Surr)	66		38 - 123				11/03/16 08:15	11/03/16 13:21	1
p-Terphenyl-d14	85		68 - 136				11/03/16 08:15	11/03/16 13:21	1
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		11		mg/Kg	₽	11/03/16 08:36	11/03/16 13:33	
(C10-C25)									
Residual Range Organics (RRO)	ND		29		mg/Kg	₩	11/03/16 08:36	11/03/16 13:33	
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 <sub>-</sub> 150				11/03/16 08:36	11/03/16 13:33	8
n-Triacontane-d62	97		50 - 150				11/03/16 08:36	11/03/16 13:33	3
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Lead	9.9		2.1		mg/Kg	K.	11/02/16 13:02	11/03/16 12:46	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

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

Lab Sample ID: MB 590-9410/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 9405 Prep Batch: 9410

Allalysis Batch. 5405	MB	MB						ттер ваш	,11. 5410
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Acenaphthylene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Acenaphthene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Fluorene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Phenanthrene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	3
Anthracene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Fluoranthene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Pyrene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Chrysene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/02/16 14:16	11/02/16 14:45	1

MB MB Prepared Analyzed Dil Fac Surrogate %Recovery Qualifier Limits 64 23 - 120 11/02/16 14:16 11/02/16 14:45 1 2-Fluorobiphenyl (Surr) 82 38 - 123 11/02/16 14:16 11/02/16 14:45 11/02/16 14:45 1 p-Terphenyl-d14 108 68 - 136 11/02/16 14:16

Lab Sample ID: LCS 590-9410/2-A

Matrix: Solid

Analysis Batch: 9405

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

Prep Batch: 9410

Analysis Batch: 9405							Prep E	satch: 9410
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Naphthalene	0.267	0.179		mg/Kg		67	41 - 121	
2-Methylnaphthalene	0.267	0.208		mg/Kg		78	39 - 132	
1-Methylnaphthalene	0.267	0.193		mg/Kg		72	46 - 131	
Acenaphthylene	0.267	0.177		mg/Kg		66	56 - 123	
Acenaphthene	0.267	0.181		mg/Kg		68	43 - 140	
Fluorene	0.267	0,199		mg/Kg		74	54 - 131	
Phenanthrene	0.267	0.222		mg/Kg		83	55 _ 141	
Anthracene	0.267	0.228		mg/Kg		85	60 - 129	
Fluoranthene	0.267	0.236		mg/Kg		88	63 _ 141	
Pyrene	0.267	0.212		mg/Kg		79	62 - 139	
Benzo[a]anthracene	0.267	0.233		mg/Kg		87	61 _ 136	
Chrysene	0.267	0.233		mg/Kg		87	57 _ 144	
Benzo[b]fluoranthene	0.267	0.236		mg/Kg		88	66 - 141	
Benzo[k]fluoranthene	0.267	0.217		mg/Kg		81	63 - 150	
Benzo[a]pyrene	0.267	0,223		mg/Kg		84	60 _ 133	
Indeno[1,2,3-cd]pyrene	0.267	0.226		mg/Kg		85	55 - 142	
Dibenz(a,h)anthracene	0.267	0.223		mg/Kg		84	60 - 150	
Benzo[g,h,i]perylene	0.267	0.220		mg/Kg		83	58 - 147	

TestAmerica Spokane

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11/3/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

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

Lab Sample ID: LCS 590-9410/2-A

Matrix: Solid

Analysis Batch: 9405

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

Prep Batch: 9410

LCS LCS

Surrogate	%Recovery	Qualifler	Limits
Nitrobenzene-d5	59		23 - 120
2-Fluorobiphenyl (Surr)	74		38 - 123
p-Terphenyl-d14	95		68 - 136

Client Sample ID: C-36B

Prep Type: Total/NA Prep Batch: 9410

Lab Sample ID: 590-4874-1 MS Matrix: Solid

Analysis Batch: 9405

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifler	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	0.052	F1 F2	0.259	0.191		mg/Kg	☆	54	41 - 121
2-Methylnaphthalene	ND	F2	0.259	0.207		mg/Kg	☆	69	39 _ 132
1-Methylnaphthalene	ND	F2	0.259	0,191		mg/Kg	¤	66	46 - 131
Acenaphthylene	ND		0.259	0,176		mg/Kg	贷	68	56 _ 123
Acenaphthene	0.084	F1 F2	0.259	0.223		mg/Kg	☆	54	43 - 140
Fluorene	ND	F1 F2	0.259	0.215		mg/Kg	☆	65	54 - 131
Phenanthrene	1.1	F2	0.259	0,611	4	mg/Kg	\$	-197	55 - 141
Anthracene	0.27	F1 F2	0.259	0.282	F1	mg/Kg	☆	5	60 - 129
Fluoranthene	4.3	F2	0.259	1.93	4	mg/Kg	¤	-908	63 - 141
Pyrene	3.7	F2	0.259	1,77	4	mg/Kg	☼	-742	62 - 139
Benzo[a]anthracene	3.5	F2	0.259	1,57	4	mg/Kg	<b>\$</b>	-735	61 - 136
Chrysene	4.1	F2	0.259	1.97	4	mg/Kg	₿	-825	57 - 144
Benzo[b]fluoranthene	5.8	F2	0.259	2.60	4	mg/Kg	☆	-1227	66 - 141
Benzo[k]fluoranthene	2.0	F2	0.259	1.08	4	mg/Kg	☆	-345	63 _ 150
Benzo[a]pyrene	4.1	F2	0.259	1.97	4	mg/Kg	<b>☆</b>	-824	60 - 133
Indeno[1,2,3-cd]pyrene	2.3	F2	0.259	1.29	4	mg/Kg	₿	-394	55 - 142
Dibenz(a,h)anthracene	0.85	F1 F2	0.259	0.575	F1	mg/Kg	☆	-105	60 - 150
Benzo[g,h,i]perylene	2.7	F2	0.259	1,44	4	mg/Kg	袋	-491	58 - 147

MS MS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	42		23 - 120
2-Fluorobiphenyl (Surr)	64		38 - 123
p-Terphenyl-d14	88		68 - 136

Lab Sample ID: 590-4874-1 MSD

Matrix: Solid

Analysis Batch: 9405

Client Sample ID: C-36B Prep Type: Total/NA

Prep Batch: 9410

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	0.052	F1 F2	0.266	0.519	F1 F2	mg/Kg	**	176	41 - 121	92	35
2-Methylnaphthalene	ND	F2	0.266	0.334	F2	mg/Kg	₿	115	39 - 132	47	35
1-Methylnaphthalene	ND	F2	0.266	0.280	F2	mg/Kg	₩	98	46 - 131	38	35
Acenaphthylene	ND		0.266	0.186		mg/Kg	¤	70	56 - 123	5	35
Acenaphthene	0,084	F1 F2	0.266	0.611	F1 F2	mg/Kg	፨	198	43 - 140	93	35
Fluorene	ND	F1 F2	0.266	0.444	F1 F2	mg/Kg	☆	150	54 _ 131	70	35
Phenanthrene	1.1	F2	0.266	4,57	4 F2	mg/Kg	☆	1298	55 _ 141	153	35
Anthracene	0.27	F1 F2	0,266	1,24	F1 F2	mg/Kg	≎	366	60 - 129	126	35
Fluoranthene	4,3	F2	0.266	13.4	E 4 F2	mg/Kg	☆	3438	63 - 141	150	35
Pyrene	3.7	F2	0.266	11.4	4 F2	mg/Kg	¤	2902	62 - 139	146	35

TestAmerica Spokane

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

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

Lab Sample ID: 590-4874-1 MSD

Matrix: Solid

Analysis Batch: 9405

Client Sample ID: C-36B Prep Type: Total/NA

Prep Batch: 9410

c Limits	RPD Limit
61 - 136	148 35
14 57 - 144	143 35
66 - 141	146 35
2 63 - 150	140 35
9 60 - 133	145 35
34 55 <u>-</u> 142	142 35
60 - 150	134 35
58 - 147	141 35
5 7 7 18	61 - 136 684 57 - 144 54 66 - 141 72 63 - 150 79 60 - 133 84 55 - 142 69 60 - 150

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	50		23 - 120
2-Fluorobiphenyl (Surr)	70		38 - 123
p-Terphenyl-d14	89		68 - 136

Lab Sample ID: MB 590-9416/1-A

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9416

,,	мв	MB							
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Naphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Acenaphthylene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Acenaphthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Fluorene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Phenanthrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Chrysene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
	МВ	МВ							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrohenzene-d5	50		23 120				11/03/16 08:15	11/03/16 10:31	1

 Nitrobenzene-d5
 59
 23 - 120

 2-Fluorobiphenyl (Surr)
 82
 38 - 123

 p-Terphenyl-d14
 102
 68 - 136

11/03/16 08:15 11/03/16 10:31 11/03/16 08:15 11/03/16 10:31 11/03/16 08:15 11/03/16 10:31

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

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

Lab Sample ID: LCS 590-9416/2-A

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9416

Analysis batter 5411	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	0.267	0.173		mg/Kg	-	65	41 - 121
2-Methylnaphthalene	0.267	0.202		mg/Kg		76	39 _ 132
1-Methylnaphthalene	0.267	0,184		mg/Kg		69	46 - 131
Acenaphthylene	0,267	0,188		mg/Kg		71	56 - 123
Acenaphthene	0.267	0.192		mg/Kg		72	43 - 140
Fluorene	0,267	0.203		mg/Kg		76	54 - 131
Phenanthrene	0.267	0.209		mg/Kg		78	55 - 141
Anthracene	0.267	0.209		mg/Kg		78	60 - 129
Fluoranthene	0.267	0.220		mg/Kg		82	63 - 141
Pyrene	0.267	0.198		mg/Kg		74	62 - 139
Benzo[a]anthracene	0.267	0.210		mg/Kg		79	61 - 136
Сhrysene	0,267	0,218		mg/Kg		82	57 - 144
Benzo[b]fluoranthene	0.267	0.201		mg/Kg		75	66 _ 141
Benzo[k]fluoranthene	0.267	0.203		mg/Kg		76	63 - 150
Benzo[a]pyrene	0.267	0.200		mg/Kg		75	60 - 133
Indeno[1,2,3-cd]pyrene	0.267	0.210		mg/Kg		79	55 - 142
Dibenz(a,h)anthracene	0.267	0.208		mg/Kg		78	60 - 150
Benzo[g,h,i]perylene	0.267	0,207		mg/Kg		78	58 - 147

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	61		23 - 120
2-Fluorobiphenyl (Surr)	77		38 - 123
p-Terphenvi-d14	88		68 - 136

Lab Sample ID: 590-4874-21 MS

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: C	-62
Prep Type: Total/	NΑ

Prep Batch: 9416

Analysis batti, 9417									l leb	Datell. 3410
•	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifler	Unit	D	%Rec	Limits	
Naphthalene	ND		0.294	0.177		mg/Kg	☆	60	41 - 121	
2-Methylnaphthalene	ND		0.294	0.207		mg/Kg	¤	70	39 _ 132	
1-Methylnaphthalene	ND		0.294	0.191		mg/Kg	÷Ċ:	65	46 - 131	
Acenaphthylene	ND		0.294	0.206		mg/Kg	Ċ.	70	56 - 123	
Acenaphthene	ND		0.294	0.204		mg/Kg	≎	69	43 - 140	
Fluorene	ND		0.294	0,221		mg/Kg	☼	75	54 - 131	
Phenanthrene	ND		0.294	0,228		mg/Kg	≎	77	55 _ 141	
Anthracene	ND		0.294	0.231		mg/Kg	≎	78	60 - 129	
Fluoranthene	ND		0.294	0.239		mg/Kg	₩	81	63 - 141	
Pyrene	ND		0.294	0.220		mg/Kg	₩	75	62 - 139	
Benzo[a]anthracene	ND		0.294	0.244		mg/Kg	**	82	61 - 136	
Chrysene	ND		0.294	0.238		mg/Kg	♡	81	57 - 144	
Benzo[b]fluoranthene	ND		0.294	0.212		mg/Kg	⋫	71	66 - 141	
Benzo[k]fluoranthene	ND		0.294	0.217		mg/Kg	\$	74	63 - 150	
Benzo[a]pyrene	ND		0.294	0.216		mg/Kg	₩	73	60 - 133	
Indeno[1,2,3-cd]pyrene	ND		0.294	0.225		mg/Kg	₩	75	55 - 142	
Dibenz(a,h)anthracene	ND		0.294	0.224		mg/Kg	₿	75	60 - 150	
Benzo[g,h,i]perylene	ND		0.294	0.218		mg/Kg	⇔	73	58 - 147	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-

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

Lab Sample ID: 590-4874-21 MS

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: C-62 Prep Type: Total/NA

Prep Batch: 9416

MS MS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	57		23 - 120
2-Fluorobiphenyl (Surr)	76		38 - 123
p-Terphenyl-d14	89		68 - 136

Lab Sample ID: 590-4874-21 MSD

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: C-62 Prep Type: Total/NA

Prep Batch: 9416

rinary or Battern C										P - 0:0	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	ND		0.298	0.176		mg/Kg	Ø	59	41 - 121	0	35
2-Methylnaphthalene	ND		0.298	0.202		mg/Kg	₩	68	39 _ 132	2	35
1-Methylnaphthalene	ND		0.298	0.187		mg/Kg	₿	63	46 _ 131	2	35
Acenaphthylene	ND		0,298	0.201		mg/Kg	₽	67	56 - 123	2	35
Acenaphthene	ND		0.298	0.201		mg/Kg	¤	67	43 _ 140	1	35
Fluorene	ND		0.298	0.221		mg/Kg	⇔	74	54 _ 131	0	35
Phenanthrene	ND		0.298	0.220		mg/Kg	≎	73	55 - 141	3	35
Anthracene	ND		0.298	0.230		mg/Kg	÷	77	60 - 129	0	35
Fluoranthene	ND		0.298	0.235		mg/Kg	₽	79	63 _ 141	2	35
Pyrene	ND		0.298	0.217		mg/Kg	₽	73	62 _ 139	1	35
Benzo[a]anthracene	ND		0.298	0.240		mg/Kg	≎	79	61 - 136	2	35
Chrysene	ND		0.298	0.226		mg/Kg	₿	76	57 _ 144	5	35
Benzo[b]fluoranthene	ND		0.298	0.222		mg/Kg	≎	73	66 - 141	5	35
Benzo[k]fluoranthene	ND		0.298	0.205		mg/Kg	₩	69	63 - 150	6	35
Benzo[a]pyrene	ND		0.298	0.218		mg/Kg	፨	72	60 - 133	1	35
Indeno[1,2,3-cd]pyrene	ND		0,298	0.222		mg/Kg	⇔	73	55 - 142	1	35
Dibenz(a,h)anthracene	ND		0.298	0.219		mg/Kg	≎	72	60 - 150	2	35
Benzo[g,h,i]perylene	ND		0.298	0.215		mg/Kg	≎	71	58 _ 147	1	35

MSD	MSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	52		23 - 120
2-Fluorobiphenyl (Surr)	73		38 - 123
p-Terphenyl-d14	86		68 - 136

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

Lab Sample ID: MB 590-9418/1-A

Matrix: Solid

Analysis Batch: 9425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9418

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		11/03/16 08:36	11/03/16 10:39	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		11/03/16 08:36	11/03/16 10:39	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	11/03/16 08:36	11/03/16 10:39	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

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

Lab Sample ID: MB 590-9418/1-A

Matrix: Solid

Analysis Batch: 9425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9418

MB MB

 Surrogate
 %Recovery
 Qualifier
 Limits
 Prepared
 Analyzed
 Dil Fac

 n-Triacontane-d62
 93
 50 - 150
 11/03/16 08:36
 11/03/16 10:39
 1

Lab Sample ID: LCS 590-9418/2-A

Matrix: Solid

Analysis Batch: 9425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9418

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits 67.1 58.6 50 - 150 Diesel Range Organics (DRO) mg/Kg 87 (C10-C25) 66.8 64.0 mg/Kg 96 50 \_ 150 Residual Range Organics (RRO) (C25-C36)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	96		50 - 150
n-Triacontane-d62	99		50 - 150

Lab Sample ID: 590-4874-5 DU

Matrix: Solid

Analysis Batch: 9424

Client Sample ID: C-46

Prep Type: Total/NA

Prep Batch: 9418

Sample Sample DU DU RPD Result Qualifier **Analyte** Result Qualifier Unit D RPD Limit \* ND Diesel Range Organics (DRO) ND mg/Kg 14 40 (C10-C25) ND ND 垬 Residual Range Organics (RRO) mg/Kg 32 40

(C25-C36)

DU DU

Surrogate	%Recovery	Qualifier	Limits	
o-Terphenyl	96		50 - 150	
n-Triacontane-d62	92		50 <sub>-</sub> 150	

Lab Sample ID: 590-4874-6 DU

Matrix: Solid

Analysis Batch: 9424

Client Sample ID: C-47

Prep Type: Total/NA

Prep Batch: 9418

RPD Limit
32 40

 Diesel Range Organics (DRO)
 ND
 ND
 mg/Kg
 \$ 32
 40

 (C10-C25)
 Residual Range Organics (RRO)
 ND
 ND
 F5
 mg/Kg
 \$ 73
 40

DU DU

Result Qualifier

Unit

D

(C25-C36)

Analyte

DU DU

Sample Sample

Result Qualifler

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	91		50 <sub>-</sub> 150
n-Triacontane-d62	85		50 - 150

Client: Earth Solutions NW LLC

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9406/2-A

Lab Sample ID: LCS 590-9406/1-A

Matrix: Solid

Matrix: Solid

Analyte

Lead

Analysis Batch: 9433

Analysis Batch: 9433

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-

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

Prep Batch: 9406

	IND	IAID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3		mg/Kg		11/02/16 13:02	11/03/16 11:09	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 9406

 Spike
 LCS
 LCS
 %Rec.

 Added
 Result
 Qualifier
 Unit
 D
 %Rec
 Limits

 50.0
 50.2
 mg/Kg
 100
 80 - 120

Lab Sample ID: 590-4874-5 MS

Client Sample ID: C-46

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9433

Sample Sample Spike MS MS %Rec.

 Analyte
 Result
 Qualifier
 Added
 Result
 Qualifier
 Unit
 D
 %Rec
 Limits

 Lead
 15
 F1 F2
 54.7
 109
 F1
 mg/Kg
 5
 172
 75 - 125

Lab Sample ID: 590-4874-5 MSD

Matrix: Solid

Analysis Batch: 9433

Client Sample ID: C-46
Prep Type: Total/NA
Prep Batch: 9406

Sample Sample Spike MSD MSD %Rec. RPD

Analyte Result Qualifler Added Result Qualifler Unit D %Rec Limits RPD Limit

Lead 15 F1 F2 40.3 79.0 F1 F2 mg/Kg \$\frac{159}{75}\$ 75\_125 32 20

Lab Sample ID: 590-4874-5 DU Client Sample ID: C-46

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9433 Prep Batch: 9406 DU DU Sample Sample RPD Analyte Result Qualifier Result Qualifier RPD Limit Unit D 15 F1 F2 Ö Lead 17,1 13 20 mg/Kg

Client: Earth Solutions NW LLC

Client Sample ID: C-36B

Date Collected: 11/02/16 09:00

Date Received: 11/02/16 12:33

Date Received: 11/02/16 12:33

Analysis

Total/NA

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Lab Sample ID: 590-4874-1

Matrix: Solid

Batch Batch DII Initial Final Batch Prepared Method or Analyzed Prep Type Type Run Factor Amount Amount Number Analyst Lab EAF Total/NA Analysis Moisture 9412 11/02/16 14:32 TAL SPK

Client Sample ID: C-36B

Lab Sample ID: 590-4874-1

Date Collected: 11/02/16 09:00

Matrix: Solid

Percent Solids: 97.0

TAL SPK

Batch DII Initial Final Batch Batch Prepared Method Number or Analyzed Prep Type Type Run Factor Amount Amount Analyst Lab Total/NA Prep 3550C 15.52 g 2 mL 9410 11/02/16 14:16 EAF TAL SPK

5

Client Sample ID: C-37B

Date Collected: 11/02/16 09:15

Lab Sample ID: 590-4874-2

Matrix: Solid

9405

11/02/16 16:21

Date Received: 11/02/16 12:33

8270D SIM

Batch DII Initial Final Ratch Prepared Batch Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA 9412 11/02/16 14:32 EAF TAL SPK Analysis Moisture

Client Sample ID: C-37B Lab Sample ID: 590-4874-2

 Date Collected: 11/02/16 09:15
 Matrix: Solid

 Date Received: 11/02/16 12:33
 Percent Solids: 94.3

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep Total/NA 3550C 15.87 g 9410 11/02/16 14:16 EAF TAL SPK Total/NA Analysis 8270D SIM 1 9405 11/02/16 16:45 TAL SPK

Client Sample ID: C-31B

Date Collected: 11/02/16 09:30

Lab Sample ID: 590-4874-3

Matrix: Solid

Date Received: 11/02/16 12:33

Batch Batch DII Initlal Final Batch Prepared Number or Analyzed Prep Type Type Method Run Factor Amount Amount Analyst Analysis TAL SPK Total/NA Moisture 9412 11/02/16 14:32 EAF

Client Sample ID: C-31B Lab Sample ID: 590-4874-3

Date Collected: 11/02/16 09:30 Matrix: Solid

Date Received: 11/02/16 12:33 Percent Solids: 82.0

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Analyst Lab Run Total/NA Prep 3550C 2 mL 9410 11/02/16 14:16 EAF TAL SPK 15.20 g Total/NA 8270D SIM 9405 NMI TAL SPK Analysis 1 11/02/16 17:08

TestAmerica Spokane

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11/3/2016

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-45A

Date Collected: 11/02/16 09:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-4

Lab Sample ID: 590-4874-4

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
1	Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-45A

Date Received: 11/02/16 12:33

Date Collected: 11/02/16 09:30

Matrix: Solid

Percent Solids: 95.8

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.66 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 17:34	NMI	TAL SPK

Client Sample ID: C-46

Date Collected: 11/02/16 10:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-5

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-46

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-5

Matrix: Solid Percent Solids: 88.7

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.70 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 18:01	NMI	TAL SPK
Total/NA	Prep	3550C			15.71 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 10:53	NMI	TAL SPK
Total/NA	Prep	3050B			1.60 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:12	JSP	TAL SPK

Client Sample ID: C-47

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-6

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK	

Client Sample ID: C-47

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-6

Matrix: Solid Percent Solids: 90.4

	Batch	Batch		DII	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Pren	3550C			15.10 a	2 mL	9410	11/02/16 14:16	EAF	TAL SPK	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4874-6

TestAmerica Job ID: 590-4874-1

Matrix: Solid

Percent Solids: 90.4

Client Sample ID: C-47
Date Collected: 11/02/16 10:00
Date Received: 11/02/16 12:33

	Batch	Batch		DH	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 18:27	NMI	TAL SPK
Total/NA	Prep	3550C			15.79 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		Ĩ			9424	11/03/16 11:20	NMI	TAL SPK
Total/NA	Prep	3050B			1.38 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:29	JSP	TAL SPK

Lab Sample ID: 590-4874-7

Matrix: Solid

Client Sample ID: C-48
Date Collected: 11/02/16 10:00
Date Received: 11/02/16 12:33

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-48

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-7

Matrix: Solid

Percent Solids: 92.0

	Batch	Batch		Dif	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	ог Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.37 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 18:53	NMI	TAL SPK
Total/NA	Prep	3550C			15.47 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 11:08	NMI	TAL SPK
Total/NA	Prep	3050B			1.49 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:33	JSP	TAL SPK

Client Sample ID: C-49

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-8

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-49

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-8

Matrix: Solid

Percent Solids: 91.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 19:19	NMI	TAL SPK
Total/NA	Prep	3550C			15.17 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 11:20	NMI	TAL SPK
Total/NA	Prep	3050B			1.16 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:44	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-50

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-50 Date Collected: 11/02/16 10:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-9

Matrix: Solid

Percent Solids: 90.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.48 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 19:46	NMI	TAL SPK
Total/NA	Prep	3550C			15.79 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 11:33	NMI	TAL SPK
Total/NA	Prep	3050B			1.63 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:47	JSP	TAL SPK

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

Matrix: Solid

Date Collected: 11/02/16 10:30 Date Received: 11/02/16 12:33

DII Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Amount Amount Number or Analyzed Analyst Lab Factor Total/NA Moisture 11/02/16 14:32 TAL SPK Analysis

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

lid

		: 11/02/16 10:3 : 11/02/16 12:3									Matrix: Soli t Solids: 90.
		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
F	rep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab

Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.80 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 20:12	NMI	TAL SPK
Total/NA	Prep	3550C			15.29 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 11:47	NMI	TAL SPK
Total/NA	Prep	3050B			1.52 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:51	JSP	TAL SPK

Client Sample ID: C-52

Lab Sample ID: 590-4874-11

Matrix: Solid

Date Collected: 11/02/16 11:00 Date Received: 11/02/16 12:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK	7

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Lab Sample ID: 590-4874-11 Client Sample ID: C-52

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Received: 11/02/16 12:33 Percent Solids: 87.5

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.40 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 20:38	NMI	TAL SPK
Total/NA	Prep	3550C			15.77 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 11:33	NMI	TAL SPK
Total/NA	Prep	3050B			1.43 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:54	JSP	TAL SPK

Lab Sample ID: 590-4874-12 Client Sample ID: C-53

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33 Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-53 Lab Sample ID: 590-4874-12

Date Collected: 11/02/16 10:00 Date Received: 11/02/16 12:33

Matrix: Solid Percent Solids: 88.2

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 21:04	NMI	TAL SPK
Total/NA	Prep	3550C			15.45 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 11:47	NMI	TAL SPK
Total/NA	Prep	3050B			1.64 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 11:57	JSP	TAL SPK

Client Sample ID: C-54 Lab Sample ID: 590-4874-13

Date Collected: 11/02/16 11:00 Date Received: 11/02/16 12:33 Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-54 Lab Sample ID: 590-4874-13

Date Collected: 11/02/16 11:00 Date Received: 11/02/16 12:33 Matrix: Solid

Percent Solids: 96.3

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 21:31	NMI	TAL SPK
Total/NA	Prep	3550C			15.55 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 12:01	NMI	TAL SPK
Total/NA	Prep	3050B			1.30 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK

Client: Earth Solutions NW LLC

Client Sample ID: C-54
Date Collected: 11/02/16 11:00

Date Received: 11/02/16 12:33

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Lab Sample ID: 590-4874-13

Matrix: Solid

Percent Solids: 96.3

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		2			9433	11/03/16 12:01	JSP	TAL SPK

Client Sample ID: C-55 Lab Sample ID: 590-4874-14

Date Collected: 11/02/16 11:00 Matrix: Solid

Date Received: 11/02/16 12:33

Analysis

Moisture

Total/NA

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		ĭ			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-55

Lab Sample ID: 590-4874-14

Date Collected: 11/02/16 11:00 Matrix: Solid

Date Received: 11/02/16 12:33 Percent Solids: 95.3

	Batch	Batch		DII	initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.81 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 21:57	NMI	TAL SPK
Total/NA	Prep	3550C			15.60 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 12:14	NMI	TAL SPK
Total/NA	Prep	3050B			1.53 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:04	JSP	TAL SPK

Client Sample ID: C-56 Lab Sample ID: 590-4874-15

Date Collected: 11/02/16 11:30 Matrix: Solid
Date Received: 11/02/16 12:33

DII Initial Final Batch Batch Batch Prepared Prep Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Type

Client Sample ID: C-56

Lab Sample ID: 590-4874-15

9412

11/02/16 14:32

EAF

TAL SPK

Date Collected: 11/02/16 11:30 Matrix: Solid
Date Received: 11/02/16 12:33 Percent Solids: 84.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.20 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1		200	9405	11/02/16 22:23	NMI	TAL SPK
Total/NA	Prep	3550C			15.57 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		it			9425	11/03/16 12:01	NMI	TAL SPK
Total/NA	Prep	3050B			1.24 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:0B	JSP	TAL SPK

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-57 Lab Sa

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-16

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-57

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-16

Percent Solids: 85.0

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.24 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 22:50	NMI	TAL SPK
Total/NA	Prep	3550C			15.79 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 12:14	IMM	TAL SPK
Total/NA	Prep	3050B			1,29 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:11	JSP	TAL SPK

Client Sample ID: C-58

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33 Lab Sample ID: 590-4874-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-58

Date Collected: 11/02/16 11:30

Lab Sample ID: 590-4874-17

Matrix: Solid

Date Received: 11/02/16 12:33 Percent Solids: 88.4

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		3			9405	11/02/16 23:16	NMI	TAL SPK
Total/NA	Prep	3550C			15.72 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 12:32	NMI	TAL SPK
Total/NA	Prep	3050B			1.45 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:14	JSP	TAL SPK

Client Sample ID: C-59

Date Collected: 11/02/16 11:30

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-18

Matrix: Solid

		Batch	Batch		DII	Initial	Final	Batch	Prepared		
	Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
ł	Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

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Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-59 Lab Sample ID: 590-4874-18

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33

Matrix: Solid

Percent Solids: 84.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 10:07	NMI	TAL SPK
Total/NA	Prep	3550C			15.63 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 12:46	NMI	TAL SPK
Total/NA	Prep	3050B			1.41 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:26	JSP	TAL SPK

Lab Sample ID: 590-4874-19 Client Sample ID: C-60

Date Collected: 11/02/16 11:30 Date Received: 11/02/16 12:33

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Lab Sample ID: 590-4874-19 Client Sample ID: C-60

Date Collected: 11/02/16 11:30

Matrix: Solid

Percent Solids: 95.6 Date Received: 11/02/16 12:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.57 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/03/16 00:08	NMI	TAL SPK
Total/NA	Prep	3550C			15.10 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 12:32	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:29	JSP	TAL SPK

Lab Sample ID: 590-4874-20 Client Sample ID: C-61

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Lab Sample ID: 590-4874-20 Client Sample ID: C-61

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33

Matrix: Solid

Percent Solids: 84.1

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/03/16 00:35	NMI	TAL SPK
Total/NA	Prep	3550C			15.35 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 12:46	NMI	TAL SPK
Total/NA	Prep	3050B			1.29 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK

#### **Lab Chronicle**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Client Sample ID: C-61 Lab Sample ID: 590-4874-20

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid
Percent Solids: 84.1

Batch Batch Dil Initial Final Batch Prepared

Method Number Prep Type Type Run Factor Amount Amount or Analyzed Analyst Lab 6010C 9433 11/03/16 12:33 JSP TAL SPK Total/NA Analysis 2

Client Sample ID: C-62 Lab Sample ID: 590-4874-21

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid

8

DII Initial Final Batch Prepared Batch Batch Method Number or Analyzed Prep Type Type Run Factor Amount Amount Analyst Lab 11/02/16 14:32 EAF TAL SPK 9412 Total/NA Analysis Moisture 1

Client Sample ID: C-62 Lab Sample ID: 590-4874-21

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid Percent Solids: 88.4

Batch DII Initial Final Batch Prepared Batch Ргер Туре Method Amount Amount Number Analyst Run or Analyzed Lab Type Factor EAF TAL SPK Prep 3550C 9416 11/03/16 08:15 Total/NA 15.28 g 2 mL Total/NA Analysis 8270D SIM 1 9417 11/03/16 12:08 NMI TAL SPK Total/NA Prep 3550C 15.38 g 5 mL 9418 11/03/16 08:36 TAL SPK Analysis NWTPH-Dx 9424 11/03/16 13:20 NMI TAL SPK Total/NA 1 Total/NA Prep 3050B 1.27 g 50 mL 9406 11/02/16 13:02 JSP TAL SPK Total/NA Analysis 6010C 2 9433 11/03/16 12:36 JSP TAL SPK

Client Sample ID: C-63 Lab Sample ID: 590-4874-22

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33 Matrix: Solid

Initlal Final Batch Batch DII Batch Prepared Prep Type Туре Method Run Factor Amount **Amount** Number or Analyzed Analyst Lab Total/NA Analysis Moisture 9412 11/02/16 14:32 EAF TAL SPK

Client Sample ID: C-63 Lab Sample ID: 590-4874-22

DII

Date Collected: 11/02/16 12:00 Date Received: 11/02/16 12:33

Ratch

Ratch

Matrix: Solid
Percent Solids: 85.1

**Prep Type** Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 3550C 15.64 g 9416 11/03/16 08:15 EAF TAL SPK 2 mL Total/NA 8270D SIM 9417 11/03/16 12:34 TAL SPK Analysis 1 Total/NA Prep 3550C 15,22 q 5 mL 9418 11/03/16 08:36 EAF TAL SPK Total/NA Analysis NWTPH-Dx 9424 11/03/16 13:33 NMI TAL SPK 9406 JSP TAL SPK Total/NA Prep 3050B 1.45 g 60 mL 11/02/16 13:02 2 9433 TAL SPK Total/NA 6010C 11/03/16 12:39 Analysis

Initial

Final

Batch

Prepared

#### **Lab Chronicle**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Lab Sample ID: 590-4874-23

Matrix: Solid

Client Sample ID: C-64 Date Collected: 11/02/16 12:00

Date Received: 11/02/16 12:33

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-64

Date Collected: 11/02/16 12:00

Date Received: 11/02/16 12:33

1 1-	Camala	ID.	500 4074 00
Lab	Sample	: טו	590-4874-23

Matrix: Solid Percent Solids: 87.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.13 g	2 mL	9416	11/03/16 08:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 12:58	NMI	TAL SPK
Total/NA	Prep	3550C			15.86 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 13:20	NMI	TAL SPK
Total/NA	Prep	3050B			1.35 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:43	JSP	TAL SPK

Client Sample ID: C-65

Date Collected: 11/02/16 12:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-24

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-65

Date Collected: 11/02/16 12:00

Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-24

Matrix: Solid

Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.24 g	2 mL	9416	11/03/16 08:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 13:21	NMI	TAL SPK
Total/NA	Prep	3550C			15,15 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9425	11/03/16 13:33	NMI	TAL SPK
Total/NA	Prep	3050B			1.36 g	50 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:46	JSP	TAL SPK

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

## Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		<b>EPA Region</b>	Certification ID	<b>Expiration Date</b>
Washington	State Prog	ıram	10	C569	01-06-17
The following analytes	are included in this report, bu	t contification is not offer			
The following analytes	are included in this report, bu	t certification is not offer	ed by the governing a	authority:	
Analysis Method	Prep Method	Matrix	ed by the governing a Analyt	•	
,			Analyt	•	

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# **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4874-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### **Protocol References:**

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT NAME STSTEVS OF THE HOW HOMES

P.O. NUMBER

PRESERVATIVE

(425) 284-3300

SAMPLED BY MEDIAN F. POKNICK

CLIENT SAMPLE

SAMPLING DATE/TIME

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CPAHS Total Lead

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C-36B

PROJECT NUMBER 65-4532,01

CHAIN OF CUSTODY REPORT

Earth Solutions NW, ILC

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Aurovit Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

Work Order #:

TURNAROUND REQUEST

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Organic & Inorganic Analyses

PAX 924-9290 FAX 906-9210 FAX 563-9210

590-4874 Chain of Custody

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(425) 284 - 3300

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CLIENT SAMPLE

SAMPLING DATE/TIME

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P.O. NUMBER:

PRESERVATIVE

REQUESTED ANALYSES

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Page 46 of 48

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PROJECT NUMBER:

CHAIN OF CUSTODY REPORT

Earth Solutions NW, CLC

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Organic & Inorganic Analyses

Petroleum Hydrocarbon Analyses

Work Order #:

TURNAROUND REQUEST

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

THE LEADER IN ENVIRONMENTAL TESTING

509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

11/3/2016

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auport Rd Sie A10, Anchorage, AK 99502-1119

509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

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# **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4874-1

Login Number: 4874

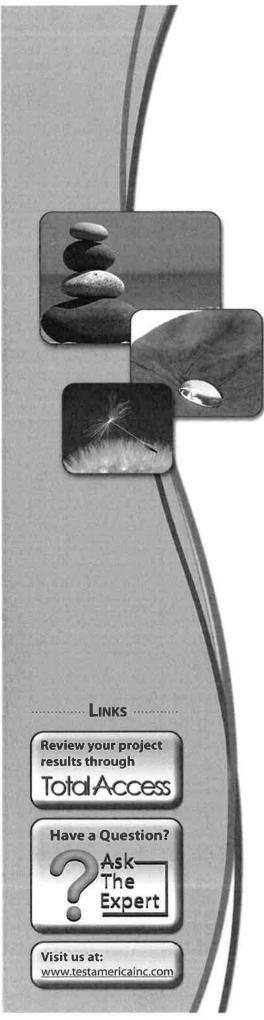
List Source: TestAmerica Spokane

List Number: 1

Elst Hulliber.		
Creator: Kratz, Sheila J		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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



# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4900-1

Client Project/Site: Sister's of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 11/4/2016 4:55:02 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

tanau trington

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

Job ID: 590-4900-1

Laboratory: TestAmerica Spokane

Narrative

#### Receipt

The samples were received on 11/3/2016 2:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

#### **GC/MS Semi VOA**

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

#### GC Semi VO

Method NWTPH-Dx: The following sample required a dilution due to the nature of the sample matrix: SP-1 (590-4900-4). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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.

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TestAmerica Job ID: 590-4900-1

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# **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4900-1	C-20A	Solid	11/03/16 10:00	11/03/16 14:20
590-4900-2	C-66	Solid	11/03/16 13:30	11/03/16 14:20
590-4900-3	C-67	Solid	11/03/16 13:30	11/03/16 14:20
590-4900-4	SP-1	Solid	11/03/16 13:30	11/03/16 14:20



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# **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

## Qualifiers

#### GC Semi VOA

Qualifier	Qualifier Description
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the
	absolute difference is less than the RL.
Χ	Surrogate is outside control limits
^	Surrogate is outside control ininits

# Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Client Sample ID: C-20A

Date Collected: 11/03/16 10:00 Date Received: 11/03/16 14:20 Lab Sample ID: 590-4900-1

Matrix: Solid Percent Solids: 91.5

Analyte	Result Qu	ualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.011	mg/Kg	¤	11/03/16 14:31	11/03/16 15:59	1
2-Methylnaphthalene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
1-Methylnaphthalene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Acenaphthylene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Acenaphthene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Fluorene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Phenanthrene	0.014	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Anthracene	ND	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Fluoranthene	0.058	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Pyrene	0.057	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Benzo[a]anthracene	0.050	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Chrysene	0.063	0.011	mg/Kg	₽	11/03/16 14:31	11/03/16 15:59	1
Benzo[b]fluoranthene	0.082	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Benzo[k]fluoranthene	0.029	0.011	mg/Kg	⇔	11/03/16 14:31	11/03/16 15:59	1
Benzo[a]pyrene	0.059	0.011	mg/Kg	☼	11/03/16 14:31	11/03/16 15:59	1
Indeno[1,2,3-cd]pyrene	0.034	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Dibenz(a,h)anthracene	0.014	0.011	mg/Kg	₩	11/03/16 14:31	11/03/16 15:59	1
Benzo[g,h,i]perylene	0.041	0.011	mg/Kg	☆	11/03/16 14:31	11/03/16 15:59	1
Surrogate	%Recovery Q	ualifier Limits			Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62	23 - 120			11/03/16 14:31	11/03/16 15:59	1
2-Fluorobiphenyl (Surr)	81	38 - 123			11/03/16 14:31	11/03/16 15:59	1
p-Terphenyl-d14	102	68 - 136			11/03/16 14:31	11/03/16 15:59	1

102		00-750				11700710 17.01	7 17 007 10 70:00	
				100000000000000000000000000000000000000		Duamanad	Analyzad	Dil Fac
	Qualifier		MDL	000000000000000000000000000000000000000				DII Fac
ND		11		mg/Kg	₩	11/03/16 14:26	11/03/16 16:14	1
ND		27		mg/Kg	₩.	11/03/16 14:26	11/03/16 16:14	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
102		50 - 150				11/03/16 14:26	11/03/16 16:14	1
103		50 - 150				11/03/16 14:26	11/03/16 16:14	1
	vest - Semi-V Result ND ND ND **Recovery	vest - Semi-Volatile Per Result Qualifier ND ND ND %Recovery Qualifier	vest - Semi-Volatile Petroleum Prod Result Qualifier RL ND 11  ND 27  **Recovery Qualifier Limits 102 50 - 150	vest - Semi-Volatile Petroleum Products (GOResult Qualifier RL MDL ND 11 ND 27 WRecovery Qualifier Limits 50 - 150	vest - Semi-Volatile Petroleum Products (GC)           Result Qualifier         RL MDL Unit           ND         11         mg/Kg           ND         27         mg/Kg           %Recovery 102         Qualifier Limits         Limits           50 - 150         50 - 150	vest - Semi-Volatile Petroleum Products (GC)  Result Qualifier RL MDL Unit D  ND 11 mg/Kg  ND 27 mg/Kg  **  **  **  **  **  **  **  **  **	vest - Semi-Volatile Petroleum Products (GC)           Result Qualifier         RL MDL Unit         D Prepared           ND         11 mg/Kg         ** 11/03/16 14:26           ND         27 mg/Kg         ** 11/03/16 14:26           ** Recovery Qualifier         Limits         Prepared           102         50 - 150         11/03/16 14:26	vest - Semi-Volatile Petroleum Products (GC)           Result         Qualifier         RL         MDL         Unit         D         Prepared         Analyzed           ND         11         mg/Kg         ** 11/03/16 14:26         11/03/16 16:14           ND         27         mg/Kg         ** 11/03/16 14:26         11/03/16 16:14           ***WRecovery         Qualifier         Limits         Prepared         Analyzed           102         50 - 150         11/03/16 14:26         11/03/16 16:14

 Client Sample ID: C-66
 Lab Sample ID: 590-4900-2

 Date Collected: 11/03/16 13:30
 Matrix: Solid

 Date Received: 11/03/16 14:20
 Percent Solids: 97.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	1
2-Methylnaphthalene	ND		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	1
1-Methylnaphthalene	ND		0.0098		mg/Kg	₽	11/03/16 14:31	11/03/16 16:25	1
Acenaphthylene	ND		0.0098		mg/Kg	¤	11/03/16 14:31	11/03/16 16:25	1
Acenaphthene	ND		0.0098		mg/Kg	₽	11/03/16 14:31	11/03/16 16:25	1
Fluorene	ND		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	1
Phenanthrene	0.040		0.0098		mg/Kg	☼	11/03/16 14:31	11/03/16 16:25	1
Anthracene	ND		0.0098		mg/Kg	¤	11/03/16 14:31	11/03/16 16:25	1
Fluoranthene	0.15		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	1
Pyrene	0.13		0.0098		mg/Kg	₽	11/03/16 14:31	11/03/16 16:25	1

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

Client Sample ID: C-66 Lab Sample ID: 590-4900-2

Date Collected: 11/03/16 13:30
Date Received: 11/03/16 14:20

Matrix: Solid Percent Solids: 97.9

TestAmerica Job ID: 590-4900-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.11		0.0098		mg/Kg	Ø	11/03/16 14:31	11/03/16 16:25	1
Chrysene	0.15		0.0098		mg/Kg	₽	11/03/16 14:31	11/03/16 16:25	1
Benzo[b]fluoranthene	0.20		0.0098		mg/Kg	Þ	11/03/16 14:31	11/03/16 16:25	1
Benzo[k]fluoranthene	0.071		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	i
Benzo[a]pyrene	0.14		0.0098		mg/Kg	₩	11/03/16 14:31	11/03/16 16:25	
Indeno[1,2,3-cd]pyrene	0.088		0.0098		mg/Kg	贷	11/03/16 14:31	11/03/16 16:25	3
Dibenz(a,h)anthracene	0.031		0.0098		mg/Kg	Ċ.	11/03/16 14:31	11/03/16 16:25	î
Benzo[g,h,i]perylene	0.10		0.0098		mg/Kg	₽	11/03/16 14:31	11/03/16 16:25	9
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	61		23 - 120				11/03/16 14:31	11/03/16 16:25	-
0.51 1:1 1/0 )	77		38 - 123				11/03/16 14:31	11/03/16 16:25	
2-Fluorobiphenyl (Surr)	//		30 - 123						
2-Fluorobiphenyi (Surr) p-Terphenyl-d14	92		68 - 136				11/03/16 14:31	11/03/16 16:25	1
	92	olatile Peti	68 - 136	ucts (GC	<b>C)</b>		11/03/16 14:31	11/03/16 16:25	
p-Terphenyl-d14	92 est - Semi-V	olatile Peti Qualifier	68 - 136	ucts (GC MDL	•	D	11/03/16 14:31 Prepared	11/03/16 16:25  Analyzed	Dil Fac
p-Terphenyl-d14 Method: NWTPH-Dx - Northwe	92 est - Semi-V		68 <sub>-</sub> 136 roleum Produ	•	•	D Ø			Dil Fac
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	92 est - Semi-V Result		68 - 136 roleum Produ RL	•	Unit		Prepared 11/03/16 14:26	Analyzed	
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	92 est - Semi-V Result ND	Qualifier	68 - 136 roleum Produ RL 10	•	Unit mg/Kg	₿	Prepared 11/03/16 14:26	<b>Analyzed</b> 11/03/16 16:32	
p-Terphenyl-d14  Method: NWTPH-Dx - Northwee Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	92 est - Semi-V Result ND	Qualifier	68 - 136 roleum Produ RL 10	•	Unit mg/Kg	₿	Prepared 11/03/16 14:26 11/03/16 14:26	Analyzed 11/03/16 16:32 11/03/16 16:32	j
Method: NWTPH-Dx - Northween Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate 0-Terphenyl	92 est - Semi-V Result ND ND ND %Recovery	Qualifier	68 - 136 roleum Produ RL 10 25	•	Unit mg/Kg	₿	Prepared 11/03/16 14:26 11/03/16 14:26  Prepared 11/03/16 14:26	Analyzed 11/03/16 16:32 11/03/16 16:32 Analyzed	i i
p-Terphenyl-d14  Method: NWTPH-Dx - Northwe Analyte  Diesel Range Organics (DRO)	92 est - Semi-V Result ND ND %Recovery 96 97	Qualifier	68 - 136  roleum Produ RL 10 25  Limits 50 - 150	•	Unit mg/Kg mg/Kg	₿	Prepared 11/03/16 14:26 11/03/16 14:26  Prepared 11/03/16 14:26	Analyzed 11/03/16 16:32 11/03/16 16:32  Analyzed 11/03/16 16:32	Ĭ

Client Sample ID: C-67

Date Collected: 11/03/16 13:30

Date Received: 11/03/16 14:20

Lab Sample ID: 590-4900-3

Matrix: Solid

Percent Solids: 98.2

Analyte	Result Qualit	fier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.020		mg/Kg	₩	11/03/16 14:31	11/03/16 16:51	2
2-Methylnaphthalene	ND	0.020		mg/Kg	草	11/03/16 14:31	11/03/16 16:51	2
1-Methylnaphthalene	ND	0.020		mg/Kg	☼	11/03/16 14:31	11/03/16 16:51	2
Acenaphthylene	ND	0.020		mg/Kg	贷	11/03/16 14:31	11/03/16 16:51	2
Acenaphthene	ND	0.020		mg/Kg	-\$\$	11/03/16 14:31	11/03/16 16:51	2
Fluorene	ND	0.020		mg/Kg	☆	11/03/16 14:31	11/03/16 16:51	2
Phenanthrene	0.28	0.020		mg/Kg	⇔	11/03/16 14:31	11/03/16 16:51	2
Anthracene	0.059	0.020		mg/Kg	₽	11/03/16 14:31	11/03/16 16:51	2
Fluoranthene	0.96	0.020		mg/Kg	☆	11/03/16 14:31	11/03/16 16:51	2
Pyrene	0.82	0.020		mg/Kg	☆	11/03/16 14:31	11/03/16 16:51	2
Benzo[a]anthracene	0.73	0.020		mg/Kg	₩	11/03/16 14:31	11/03/16 16:51	2
Chrysene	0.88	0.020		mg/Kg	₽	11/03/16 14:31	11/03/16 16:51	2
Benzo[b]fluoranthene	1.2	0.020		mg/Kg	₽	11/03/16 14:31	11/03/16 16:51	2
Benzo[k]fluoranthene	0.43	0.020		mg/Kg	₽	11/03/16 14:31	11/03/16 16:51	2
Benzo[a]pyrene	0.79	0.020		mg/Kg	₩	11/03/16 14:31	11/03/16 16:51	2
Indeno[1,2,3-cd]pyrene	0.49	0.020		mg/Kg	÷	11/03/16 14:31	11/03/16 16:51	2

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

Client Sample ID: C-67

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

TestAmerica Job ID: 590-4900-1

Lab Sample ID: 590-4900-3

Matrix: Solid

Percent Solids: 98.2

Method: 8270D SIM - Sem	nivolatile Organi	c Compou	nds (GC/MS	SIM) (Continue	d)			
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.17		0.020	mg/Kg	₩	11/03/16 14:31	11/03/16 16:51	2
Benzo[g,h,i]perylene	0.56		0.020	mg/Kg	₽	11/03/16 14:31	11/03/16 16:51	2
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		23 - 120			11/03/16 14:31	11/03/16 16:51	2
2-Fluorobiphenyl (Surr)	77		38 - 123			11/03/16 14:31	11/03/16 16:51	2
p-Terphenyl-d14	86		68 - 136			11/03/16 14:31	11/03/16 16:51	2

Method: NWTPH-Dx - Northw	est - Semi-V	olatile Pet	roleum Prod	ucts (G	C)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	15		9.8		mg/Kg	¤	11/03/16 14:26	11/03/16 16:50	1
Residual Range Organics (RRO) (C25-C36)	40		24		mg/Kg	₽	11/03/16 14:26	11/03/16 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	104		50 - 150				11/03/16 14:26	11/03/16 16:50	1
n_Triacontane_d62	100		50 150				11/03/16 14:26	11/03/16 16:50	1

Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.8		mg/Kg	***	11/03/16 15:19	11/04/16 16:21	2

Client Sample ID: SP-1

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

Lab Sample ID: 590-4900-4

Matrix: Solid Percent Solids: 94.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	- 1	mg/Kg	\$	11/03/16 14:31	11/03/16 17:18	100
2-Methylnaphthaiene	ND		1.0		mg/Kg	章	11/03/16 14:31	11/03/16 17:18	100
1-Methylnaphthalene	ND		1.0	1	mg/Kg	₩	11/03/16 14:31	11/03/16 17:18	100
Acenaphthylene	ND		1.0		mg/Kg	₽	11/03/16 14:31	11/03/16 17:18	100
Acenaphthene	ND		1.0		mg/Kg	₩	11/03/16 14:31	11/03/16 17:18	100
Fluorene	ND		1.0	1	mg/Kg	¤	11/03/16 14:31	11/03/16 17:18	100
Phenanthrene	5.5		1.0	I	mg/Kg	₩	11/03/16 14:31	11/03/16 17:18	100
Anthracene	1.5		1.0	I	mg/Kg	₽	11/03/16 14:31	11/03/16 17:18	100
Fluoranthene	26		1.0	1	mg/Kg	☆	11/03/16 14:31	11/03/16 17:18	100
Pyrene	24		1.0	1	mg/Kg	₽	11/03/16 14:31	11/03/16 17:18	100
Benzo[a]anthracene	21		1.0	1	mg/Kg	詳	11/03/16 14:31	11/03/16 17:18	100
Chrysene	28		1.0	1	mg/Kg	₽	11/03/16 14:31	11/03/16 17:18	100
Benzo[b]fluoranthene	39		1.0		mg/Kg	₩	11/03/16 14:31	11/03/16 17:18	100
Benzo[k]fluoranthene	14		1.0	1	mg/Kg	₽	11/03/16 14:31	11/03/16 17:18	100
Benzo[a]pyrene	30		1.0	1	mg/Kg	:CE	11/03/16 14:31	11/03/16 17:18	100
Indeno[1,2,3-cd]pyrene	19		1.0	1	mg/Kg	Þ	11/03/16 14:31	11/03/16 17:18	100
Dibenz(a,h)anthracene	6.0		1.0	1	mg/Kg	☆	11/03/16 14:31	11/03/16 17:18	100
Benzo[g,h,i]perylene	22		1.0	ı	mg/Kg	¤	11/03/16 14:31	11/03/16 17:18	100
Surrogate	%Recovery	Qualifier	Limits		La.		Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	97		23 - 120				11/03/16 14:31	11/03/16 17:18	100
2-Fluorobiphenyl (Surr)	84		38 - 123				11/03/16 14:31	11/03/16 17:18	100

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Client Sample ID: SP-1

Lab Sample ID: 590-4900-4 Matrix: Solid

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

Percent Solids: 94.4

Wiethod: 82/UD SIWI - 3	semivolatile Organic Compoui	nas (GC/IVIS SIIVI) (Contini	uea)		
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil F
n-Terohenyl-d14	103	68 136	11/03/16 14:31	11/03/16 17:18	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
p-Terphenyl-d14	103		68 - 136				11/03/16 14:31	11/03/16 17:18	100
Method: NWTPH-Dx - Northwe	est - Semi-V	olatile Pet	roleum Prod	ucts (G0	<b>C</b> )				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1200		200		mg/Kg	₽	11/03/16 14:26	11/03/16 17:07	20
Residual Range Organics (RRO) (C25-C36)	4400		510		mg/Kg	☆	11/03/16 14:26	11/03/16 17:07	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	282	X	50 - 150				11/03/16 14:26	11/03/16 17:07	20
n-Triacontane-d62	664	Y	50 - 150				11/03/16 14:26	11/03/16 17:07	20

n-Triacontane-d62	664	X	50 - 150				11/03/16 14:26	11/03/16 17:07	20
Method: 6010C - Metals (ICP) Analyte		Qualifier	<b>RL</b> 2.0	MDL	Unit	D	Prepared 11/03/16 15:19	Analyzed	Dil Fac
Lead	29		2.0		mg/Kg	**	11/03/16 15:19	11/04/10 10:20	2

# **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

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

Lab Sample ID: MB 590-9416/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA Analysis Batch: 9417 Prep Batch: 9416

,	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Acenaphthylene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Acenaphthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	- 1
Fluorene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Phenanthrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Chrysene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/03/16 08:15	11/03/16 10:31	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59	23 - 120	11/03/16 08:15	11/03/16 10:31	1
2-Fluorobiphenyl (Surr)	82	38 - 123	11/03/16 08:15	11/03/16 10:31	1
p-Terphenyl-d14	102	68 - 136	11/03/16 08:15	11/03/16 10:31	1

Lab Sample ID: LCS 590-9416/2-A

Matrix: Solid

Cliont	Sample	ID.	Lab	Control	Sample
JIITIL	Samue	ID.	Lau	COLLUD	Samue

Prep Type: Total/NA

Analysis Batch: 9417					Prep Bato	:h: 9416
	Spike	LCS L	.cs		%Rec.	
Analyte	Added	Result Q	ualifier Unit	D %Rec	Limits	
Naphthalene	0.267	0.173	mg/Kg	65	41 - 121	
2-Methylnaphthalene	0.267	0.202	mg/Kg	76	39 - 132	
1-Methylnaphthalene	0.267	0.184	mg/Kg	69	46 - 131	
Acenaphthylene	0.267	0.188	mg/Kg	71	56 - 123	
Acenaphthene	0.267	0.192	mg/Kg	72	43 - 140	
Fluorene	0.267	0.203	mg/Kg	76	54 - 131	
Phenanthrene	0.267	0.209	mg/Kg	78	55 <sub>-</sub> 141	
Anthracene	0.267	0.209	mg/Kg	78	60 - 129	
Fluoranthene	0.267	0.220	mg/Kg	82	63 - 141	
Pyrene	0.267	0.198	mg/Kg	74	62 - 139	
Benzo[a]anthracene	0.267	0.210	mg/Kg	79	61 - 136	
Chrysene	0.267	0.218	mg/Kg	82	57 - 144	
Benzo[b]fluoranthene	0.267	0.201	mg/Kg	75	66 - 141	
Benzo[k]fluoranthene	0.267	0.203	mg/Kg	76	63 - 150	
Benzo[a]pyrene	0.267	0.200	mg/Kg	75	60 - 133	
Indeno[1,2,3-cd]pyrene	0.267	0.210	mg/Kg	79	55 - 142	
Dibenz(a,h)anthracene	0.267	0.208	mg/Kg	78	60 - 150	
Benzo[g,h,i]perylene	0.267	0.207	mg/Kg	78	58 - 147	

# **QC Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

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

Lab Sample ID: LCS 590-9416/2-A

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: Lab Control Sample

TestAmerica Job ID: 590-4900-1

Prep Type: Total/NA

Prep Batch: 9416

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	61	-	23 - 120
2-Fluorobiphenyl (Surr)	77		38 - 123
p-Terphenyl-d14	88		68 - 136

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

Lab Sample ID: MB 590-9435/1-A

Matrix: Solid

Analysis Batch: 9425

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9435

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	- 19	11/03/16 13:14	11/03/16 15:23	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		11/03/16 13:14	11/03/16 15:23	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	99		50 - 150	11/03/16 13:14	11/03/16 15:23	1
п-Triacontane-d62	98		50 - 150	11/03/16 13:14	11/03/16 15:23	1

Lab Sample ID: LCS 590-9435/2-A

Matrix: Solid

Analysis Batch: 9425

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9435

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (DRO) (C10-C25)	67.1	61.6	-	mg/Kg		92	50 - 150	
Residual Range Organics (RRO)	66.8	62.9		mg/Kg		94	50 - 150	

(C25-C36)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	95		50 - 150
n-Triacontane-d62	102		50 <sub>-</sub> 150

Lab Sample ID: 590-4900-1 DU

Matrix: Solid

Analysis Batch: 9424

Client Sample ID: C-20A

Prep Type: Total/NA

Prep Batch: 9435

Allalysis Datcil. 3424							Fieh Daten.	3433	
	Sample	Sample	DU	DU				RPD	į
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit	i
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	₽	36	40	i
Residual Range Organics (RRO)	ND		ND	F5	mg/Kg	Ŭ÷	78	40	į

(C25-C36)

DU DU

Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	94		50 - 150
n-Triacontane-d62	92		50 - 150

# QC Sample Results

Client: Earth Solutions NW LLC

Lead

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9436/2-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9461 Prep Batch: 9436 MB MB

Analyte Result Qualifier RL MDL Unit **Prepared** Analyzed Dil Fac Lead ND 1.3 mg/Kg 11/03/16 15:19 11/04/16 15:44

Lab Sample ID: LCS 590-9436/1-A Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9461 Prep Batch: 9436 Spike LCS LCS %Rec.

Limits Analyte Added Result Qualifier Unit D %Rec Lead 50.0 45.5 mg/Kg 91 80 - 120

Client Sample ID: C-66 Lab Sample ID: 590-4900-2 MS

Prep Type: Total/NA Matrix: Solid Prep Batch: 9436 Analysis Batch: 9461

Spike MS MS %Rec. Sample Sample Limits Result Qualifier Added Result Qualifier %Rec Analyte Unit D 75 - 125 Lead 6.1 51.1 52.8 mg/Kg 91

Client Sample ID: C-66 Lab Sample ID: 590-4900-2 MSD

Prep Type: Total/NA Matrix: Solid Prep Batch: 9436 Analysis Batch: 9461

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier %Rec Limits RPD Limit Analyte Unit D

92 75 - 125 48.6 50.8 20 Lead 6.1 mg/Kg

Lab Sample ID: 590-4900-2 DU Client Sample ID: C-66

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 9461 Prep Batch: 9436 DU DU **RPD** Sample Sample Result Qualifier Result Qualifier Unit D RPD Limit Analyte Ħ 20 6.1 6.33

mg/Kg

#### Lab Chronicle

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Client Sample ID: C-20A Lab Sample ID: 590-4900-1

Matrix: Solid

Date Collected: 11/03/16 10:00 Date Received: 11/03/16 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

Lab Sample ID: 590-4900-1 Client Sample ID: C-20A

Matrix: Solid Date Collected: 11/03/16 10:00

Date Received: 11/03/16 14:20 Percent Solids: 91.5

Prep Type Total/NA	Batch Type	Batch Method 3550C	Run	Dil Factor	Initial Amount 15.35 q	Final Amount 2 mL	Batch Number 9416	Prepared or Analyzed 11/03/16 14:31	<b>Analyst</b> EAF	Lab TAL SPK
Total/NA	Prep Analysis	8270D SIM		1	15.35 g	ZIIIL	9417			TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		1	15.44 g	5 mL	9435 9424	11/03/16 14:26 11/03/16 16:14		TAL SPK TAL SPK

Lab Sample ID: 590-4900-2 Client Sample ID: C-66

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

Batch Batch Dil Initial Final Batch Prepared Method Amount Amount Number or Analyzed Analyst Lab Prep Type Туре Run Factor 11/03/16 15:39 EAF Total/NA 9437 TAL SPK Analysis Moisture

Client Sample ID: C-66 Lab Sample ID: 590-4900-2

Date Collected: 11/03/16 13:30

Matrix: Solid Percent Solids: 97.9 Date Received: 11/03/16 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.67 g	2 mL	9416	11/03/16 14:31	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 16:25	NMI	TAL SPK
Total/NA	Ргер	3550C			15.20 g	5 mL	9435	11/03/16 14:26	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 16:32	NMi	TAL SPK
Total/NA	Prep	3050B			1.40 g	50 mL	9436	11/03/16 15:19	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9461	11/04/16 15:57	JSP	TAL SPK

Client Sample ID: C-67 Lab Sample ID: 590-4900-3 Matrix: Solid

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

Final Batch Batch Dil Initial Batch Prepared Prep Type Type Method Run **Factor Amount Amount** Number or Analyzed Analyst Lab 11/03/16 15:39 EAF TAL SPK Total/NA Analysis Moisture 9437

TestAmerica Spokane

11/4/2016

Matrix: Solid

#### Lab Chronicle

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Client Sample ID: C-67

Lab Sample ID: 590-4900-3

Date Collected: 11/03/16 13:30

Matrix: Solid

Date Received: 11/03/16 14:20

Percent Solids: 98.2

	Batch	Batch		Dil	Initial	Final	Batch	Desmared		
D T			_					Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 g	2 mL	9416	11/03/16 14:31	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		2			9417	11/03/16 16:51	NMI	TAL SPK
Total/NA	Prep	3550C			15.67 g	5 mL	9435	11/03/16 14:26	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 16:50	NMI	TAL SPK
Total/NA	Prep	3050B			1.40 g	50 mL	9436	11/03/16 15:19	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9461	11/04/16 16:21	JSP	TAL SPK

Client Sample ID: SP-1

Lab Sample ID: 590-4900-4

Date Collected: 11/03/16 13:30

Matrix: Solid

Date Received: 11/03/16 14:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

Client Sample ID: SP-1

Lab Sample ID: 590-4900-4

Matrix: Solid

Date Collected: 11/03/16 13:30 Date Received: 11/03/16 14:20

Percent Solids: 94.4

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3550C 8270D SIM	Run	Dil Factor	Initial Amount 15.80 g	Final Amount 2 mL	<b>Batch Number</b> 9416 9417	Prepared or Analyzed 11/03/16 14:31 11/03/16 17:18	 <b>Lab</b> TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3550C NWTPH-Dx		20	15.55 g	5 mL	9435 9424	11/03/16 14:26 11/03/16 17:07	 TAL SPK TAL SPK
Total/NA Total/NA	Prep Analysis	3050B 6010C		2	1.35 g	50 mL	9436 9461	11/03/16 15:19 11/04/16 16:25	 TAL SPK TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

# Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		EPA Region	Certification ID	<b>Expiration Date</b>
Washington	State Pro	gram	10	C569	01-06-17
The following analytes	s are included in this repo	rt, but certification is	not offered by the go	overning authority:	
Analysis Method	s are included in this repo Prep Method	rt, but certification is Matrix	not offered by the go Analyt	•	
• .	·		Analyt	•	

# **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sister's of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4900-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### **Protocol References:**

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

\_\_ 11/4/2016

ADDITIONAL REMARKS	FIRM	Megan ROYSMICK FRAM ESNU			58-1 × × ×	C-67 XXX	C-66 1:30pm X X X	C-20A 11/3/16 10am XX	IDENTIFICATION DATE/TIME 3 C 100	H4	PROJECT NUMBER: 15-4552,01	PROJECT NAMES ISTERS OF TWO HON NAMES				CLIENT FAITH SINHONS NU CLC INVO	
	DATE: RECEIVED 81:	2:1500									REQUESTED ANALYSES	PRESERVATIVE	P.O. NUMBER:		Earth Soldions NW DLC	INVOICE TO:	CHAIN OF CUSTODY REPORT
1800 00 10714)	PIRM: FIME	FIRM: TACIDOC TIME 1480				Page	17,	of 18	MATRIX # OF LOCATION: TA COMMENTS WO ID	* Turnaround Requests less than standard may incur Rush (hinges	OTHER Specify KUSTY	578 4 3 2 1	Petroleum Hydrocarbon Analy	10 7 5 4 3 2 1	in Business Days *	TURNAROUND REQUEST	Work Order #:

590-4900 Chain of Custody

# **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4900-1

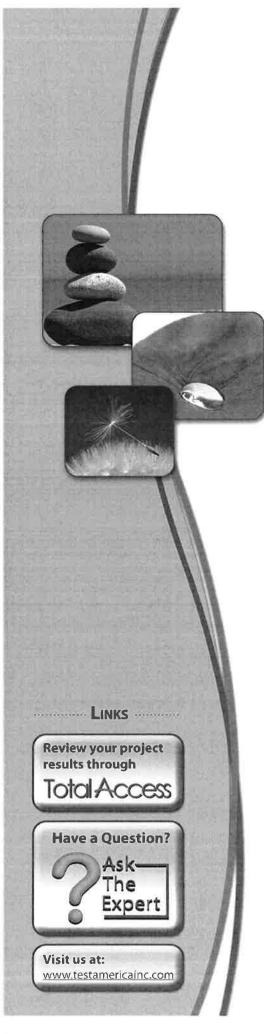
List Source: TestAmerica Spokane

Login Number: 4900

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	



# <u>TestAmerica</u>

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4917-1

Client Project/Site: Sisters of the Holy Names/ES-4332.01

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Knittene D. aller

Authorized for release by: 11/7/2016 4:11:04 PM

Kristine Allen, Manager of Project Management (253)248-4970

kristine.allen@testamericainc.com

Designee for

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Job ID: 590-4917-1

Laboratory: TestAmerica Spokane

**Narrative** 

Job Narrative 590-4917-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/4/2016 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.0° C.

#### **GC/MS Semi VOA**

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

#### GC Semi VOA

Method(s) NWTPH-Dx: Surrogate recovery for the following sample was outside control limits: C-72 (590-4917-5). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) NWTPH-Dx: Detected hydrocarbons for the following sample appear to be due to creosote or similar product: C-72 (590-4917-5).

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.

# **Sample Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4917-1	C-68	Solid	11/04/16 10:00	11/04/16 10:25
590-4917-2	C-69	Solid	11/04/16 10:00	11/04/16 10:25
590-4917-3	C-70	Solid	11/04/16 10:00	11/04/16 10:25
590-4917-4	C-71	Solid	11/04/16 10:00	11/04/16 10:25
590-4917-5	C-72	Solid	11/04/16 10:00	11/04/16 10:25









## **Definitions/Glossary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

#### Qualifiers

#### GC Semi VOA

Qualifier

Qualifier Description

X Surrogate is outside control limits

Metals

F5

Qualifier Qualifier Description

Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the

absolute difference is less than the RL.

#### 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: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Client Sample ID: C-68

Lab Sample ID: 590-4917-1

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25 Matrix: Solid Percent Solids: 96.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Naphthalene	ND		0.0099		mg/Kg	₽	11/07/16 09:05	11/07/16 12:45	
2-Methylnaphthalene	ND		0.0099		mg/Kg	₩	11/07/16 09:05	11/07/16 12:45	1
1-Methylnaphthalene	ND		0,0099		mg/Kg	ä	11/07/16 09:05	11/07/16 12:45	j j
Acenaphthylene	ND		0.0099		mg/Kg	ដ	11/07/16 09:05	11/07/16 12:45	
Acenaphthene	ND		0,0099		mg/Kg	₽	11/07/16 09:05	11/07/16 12:45	į.
Fluorene	ND		0,0099		mg/Kg	≎	11/07/16 09:05	11/07/16 12:45	ř
Phenanthrene	0.012		0.0099		mg/Kg	₩	11/07/16 09:05	11/07/16 12:45	9
Anthracene	ND		0.0099		mg/Kg	拉	11/07/16 09:05	11/07/16 12:45	
Fluoranthene	ND		0.0099		mg/Kg	₩	11/07/16 09:05	11/07/16 12:45	
Pyrene	ND		0.0099		mg/Kg	許	11/07/16 09:05	11/07/16 12:45	7
Benzo[a]anthracene	ND		0.0099		mg/Kg	Ç.	11/07/16 09:05	11/07/16 12:45	
Chrysene	ND		0.0099		mg/Kg	<b>175</b>	11/07/16 09:05	11/07/16 12:45	
Benzo(b)fluoranthene	ND		0.0099		mg/Kg	尊	11/07/16 09:05	11/07/16 12:45	
Benzo[k]fluoranthene	ND		0.0099		mg/Kg	\$	11/07/16 09:05	11/07/16 12:45	
Benzo[a]pyrene	ND		0.0099		mg/Kg	¤	11/07/16 09:05	11/07/16 12:45	
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg	ä	11/07/16 09:05	11/07/16 12:45	
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg	銰	11/07/16 09:05	11/07/16 12:45	
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg	ť	11/07/16 09:05	11/07/16 12:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Nitrobenzene-d5	66		23 - 120				11/07/16 09:05	11/07/16 12:45	
2-Fluorobiphenyl (Surr)	91		38 - 123				11/07/16 09:05	11/07/16 12:45	
p-Terphenyl-d14	127		68 - 136				11/07/16 09:05	11/07/16 12:45	
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	₽	11/07/16 10:22	11/07/16 12:54	
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	华	11/07/16 10:22	11/07/16 12:54	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
o-Terphenyl	94		50 - 150				11/07/16 10:22	11/07/16 12:54	
n-Triacontane-d62	85		50 _ 150				11/07/16 10:22	11/07/16 12:54	
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Lead	6.1		2.1		mg/Kg	Þ	11/04/16 12:45	11/07/16 13:49	

Client Sample ID: C-69

Lab Sample ID: 590-4917-2

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25 Matrix: Solid

Percent Solids: 97.2

Analyte	Result Qua	alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.010		mg/Kg	ά	11/07/16 09:05	11/07/16 13:11	1
2-Methylnaphthalene	ND	0.010		mg/Kg	Ķŧ.	11/07/16 09:05	11/07/16 13:11	1
1-Methylnaphthalene	ND	0.010		mg/Kg	草	11/07/16 09:05	11/07/16 13:11	1
Acenaphthylene	ND	0.010		mg/Kg	垃	11/07/16 09:05	11/07/16 13:11	1
Acenaphthene	ND	0.010		mg/Kg	¤	11/07/16 09:05	11/07/16 13:11	1
Fluorene	ND	0.010		mg/Kg	≎	11/07/16 09:05	11/07/16 13:11	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4917-2

TestAmerica Job ID: 590-4917-1

Client Sample ID: C-69

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Matrix: Solid Percent Solids: 97.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Phenanthrene	0.011		0.010		mg/Kg	♦	11/07/16 09:05	11/07/16 13:11	-
Anthracene	ND		0,010		mg/Kg	ÇĮ.	11/07/16 09:05	11/07/16 13:11	
Fluoranthene	ND		0,010		mg/Kg	\$	11/07/16 09:05	11/07/16 13:11	3
Pyrene	ND		0_010		mg/Kg	Ķ£	11/07/16 09:05	11/07/16 13:11	
Benzo[a]anthracene	ND		0.010		mg/Kg	\$\$	11/07/16 09:05	11/07/16 13:11	9
Chrysene	ND		0,010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	9
Benzo[b]fluoranthene	ND		0,010		mg/Kg	₽	11/07/16 09:05	11/07/16 13:11	- 9
Benzo[k]fluoranthene	ND		0.010		mg/Kg	4	11/07/16 09:05	11/07/16 13:11	
Benzo[a]pyrene	ND		0,010		mg/Kg	芸	11/07/16 09:05	11/07/16 13:11	ē
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	₩	11/07/16 09:05	11/07/16 13:11	21
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☆	11/07/16 09:05	11/07/16 13:11	3
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	华	11/07/16 09:05	11/07/16 13:11	s
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	68		23 - 120				11/07/16 09:05	11/07/16 13:11	- 1
2-Fluorobiphenyl (Surr)	85		38 - 123				11/07/16 09:05	11/07/16 13:11	- 1
p-Terphenyl-d14	113		68 - 136				11/07/16 09:05	11/07/16 13:11	d
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	Petroleum	Products (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		9,9		mg/Kg	₩	11/07/16 10:22	11/07/16 13:12	7
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	Φ	11/07/16 10:22	11/07/16 13:12	4
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150				11/07/16 10:22	11/07/16 13:12	- 1
n-Triacontane-d62	88		50 _ 150				11/07/16 10:22	11/07/16 13:12	(3
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		2.1		mg/Kg	ķί	11/04/16 12:45	11/07/16 14:06	2

	Edit Gampio 12. 000 40 17 0
Date Collected: 11/04/16 10:00	Matrix: Solid
Date Received: 11/04/16 10:25	Percent Solids: 97.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0099		mg/Kg	拉	11/07/16 09:05	11/07/16 13:35	1
2-Methylnaphthalene	ND		0.0099		mg/Kg	ü	11/07/16 09:05	11/07/16 13:35	1
1-Methylnaphthalene	ND		0.0099		mg/Kg	Ü	11/07/16 09:05	11/07/16 13:35	1
Acenaphthylene	ND		0.0099		mg/Kg	负	11/07/16 09:05	11/07/16 13:35	1
Acenaphthene	ND		0.0099		mg/Kg	許	11/07/16 09:05	11/07/16 13:35	1
Fluorene	ND		0.0099		mg/Kg	ø	11/07/16 09:05	11/07/16 13:35	1
Phenanthrene	ND		0.0099		mg/Kg	斑	11/07/16 09:05	11/07/16 13:35	1
Anthracene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Fluoranthene	ND		0.0099		mg/Kg	≎	11/07/16 09:05	11/07/16 13:35	1
Pyrene	ND		0.0099		mg/Kg	草	11/07/16 09:05	11/07/16 13:35	1
Benzo[a]anthracene	ND		0.0099		mg/Kg	益	11/07/16 09:05	11/07/16 13:35	1
Chrysene	ND		0.0099		mg/Kg	iii.	11/07/16 09:05	11/07/16 13:35	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4917-3

TestAmerica Job ID: 590-4917-1

Client Sample ID: C-70

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Matrix: Solid Percent Solids: 97.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.0099		mg/Kg	₩.	11/07/16 09:05	11/07/16 13:35	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg	#	11/07/16 09:05	11/07/16 13:35	1
Benzo[a]pyrene	ND		0.0099		mg/Kg	325	11/07/16 09:05	11/07/16 13:35	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg	₩	11/07/16 09:05	11/07/16 13:35	3
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg	故	11/07/16 09:05	11/07/16 13:35	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg	≎	11/07/16 09:05	11/07/16 13:35	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		23 - 120				11/07/16 09:05	11/07/16 13:35	3
2-Fluorobiphenyl (Surr)	96		38 - 123				11/07/16 09:05	11/07/16 13:35	3
p-Terphenyl-d14	123		68 - 136				11/07/16 09:05	11/07/16 13:35	1
Method: NWTPH-Dx - Northwes	t - Semi-Volatile	Petroleum	Products (GC)						
		Petroleum Qualifier	Products (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte			\	MDL	Unit mg/Kg	D ≅	Prepared 11/07/16 10:22	Analyzed 11/07/16 13:31	Dil Fac
Analyte Diesel Range Organics (DRO)	Result		RL	MDL					Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25)	Result		RL	MDL					1
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO)	<b>Result</b> ND		<b>RL</b> 9.9	MDL	mg/Kg	ö	11/07/16 10:22	11/07/16 13:31	1
Method: NWTPH-Dx - Northwes Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36) Surrogate	<b>Result</b> ND	Qualifier	<b>RL</b> 9.9	MDL	mg/Kg	ö	11/07/16 10:22	11/07/16 13:31	1
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate	Result ND ND	Qualifier	9.9 25	MDL	mg/Kg	ö	11/07/16 10:22 11/07/16 10:22	11/07/16 13:31 11/07/16 13:31	1
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl	Result ND ND %Recovery	Qualifier	RL 9.9 25 <i>Limits</i>	MDL	mg/Kg	ö	11/07/16 10:22 11/07/16 10:22 Prepared	11/07/16 13:31 11/07/16 13:31 Analyzed	Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)  Surrogate o-Terphenyl n-Triacontane-d62	Result ND ND %Recovery 88	Qualifier	9.9 25 <b>Limits</b> 50 - 150	MDL	mg/Kg	ö	11/07/16 10:22 11/07/16 10:22 Prepared 11/07/16 10:22	11/07/16 13:31 11/07/16 13:31 Analyzed 11/07/16 13:31	1 Dil Fac
Analyte Diesel Range Organics (DRO) (C10-C25) Residual Range Organics (RRO) (C25-C36)	Result ND ND %Recovery 88 80	Qualifier	9.9 25 <b>Limits</b> 50 - 150		mg/Kg	ö	11/07/16 10:22 11/07/16 10:22 Prepared 11/07/16 10:22	11/07/16 13:31 11/07/16 13:31 Analyzed 11/07/16 13:31	Dil Fac

Client Sample ID: C-71

Lab Sample ID: 590-4917-4

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Matrix: Solid Percent Solids: 96.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	₩	11/07/16 09:05	11/07/16 14:01	1
2-Methylnaphthalene	ND		0.010		mg/Kg	₩	11/07/16 09:05	11/07/16 14:01	1
1-Methylnaphthalene	ND		0.010		mg/Kg	Ü	11/07/16 09:05	11/07/16 14:01	1
Acenaphthylene	ND		0.010		mg/Kg	Ö	11/07/16 09:05	11/07/16 14:01	1
Acenaphthene	ND		0.010		mg/Kg	Ċ.	11/07/16 09:05	11/07/16 14:01	1
Fluorene	ND		0.010		mg/Kg	ф	11/07/16 09:05	11/07/16 14:01	1
Phenanthrene	ND		0.010		mg/Kg	岀	11/07/16 09:05	11/07/16 14:01	1
Anthracene	ND		0.010		mg/Kg	ф	11/07/16 09:05	11/07/16 14:01	1
Fluoranthene	ND		0.010		mg/Kg	₽	11/07/16 09:05	11/07/16 14:01	1
Pyrene	ND		0.010		mg/Kg	₽	11/07/16 09:05	11/07/16 14:01	1
Benzo[a]anthracene	ND		0.010		mg/Kg	益	11/07/16 09:05	11/07/16 14:01	1
Chrysene	ND		0,010		mg/Kg	₿	11/07/16 09:05	11/07/16 14:01	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	₿	11/07/16 09:05	11/07/16 14:01	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	₽	11/07/16 09:05	11/07/16 14:01	1
Benzo[a]pyrene	ND		0,010		mg/Kg	⇔	11/07/16 09:05	11/07/16 14:01	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	华	11/07/16 09:05	11/07/16 14:01	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	3‡	11/07/16 09:05	11/07/16 14:01	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	Þ	11/07/16 09:05	11/07/16 14:01	1

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Client Sample ID: C-71

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25 Lab Sample ID: 590-4917-4

TestAmerica Job ID: 590-4917-1

Matrix: Solid

Percent Solids: 96.0

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	56		23 - 120				11/07/16 09:05	11/07/16 14:01	1
2-Fluorobiphenyl (Surr)	78		38 - 123				11/07/16 09:05	11/07/16 14:01	1
р-Terpheпyl-d14	113		68 - 136				11/07/16 09:05	11/07/16 14:01	1
Method: NWTPH-Dx - Northwest	- Semi-Volatile	Petroleum	Products (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	ND		10		mg/Kg	D	11/07/16 10:22	11/07/16 13:49	1
(C10-C25)									
Residual Range Organics (RRO)	ND		25		mg/Kg	許	11/07/16 10:22	11/07/16 13:49	1
(C25-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				11/07/16 10:22	11/07/16 13:49	1
n-Triacontane-d62	80		50 - 150				11/07/16 10:22	11/07/16 13:49	1
Method: 6010C - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	5.8		2.1		mg/Kg	<b>#</b>	11/04/16 12:45	11/07/16 14:13	2

Client Sample ID: C-72

Date Collected: 11/04/16 10:00

Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-5

Matrix: Solid

Percent Solids: 94.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.20		mg/Kg	贷	11/07/16 09:05	11/07/16 14:26	20
2-Methylnaphthalene	ND		0.20		mg/Kg	☆	11/07/16 09:05	11/07/16 14:26	20
1-Methylnaphthalene	ND		0.20		mg/Kg	≎	11/07/16 09:05	11/07/16 14:26	20
Acenaphthylene	ND		0.20		mg/Kg	₿	11/07/16 09:05	11/07/16 14:26	20
Acenaphthene	ND		0,20		mg/Kg	₩	11/07/16 09:05	11/07/16 14:26	20
Fluorene	ND		0.20		mg/Kg	₽	11/07/16 09:05	11/07/16 14:26	20
Phenanthrene	0.70		0.20		mg/Kg	₩	11/07/16 09:05	11/07/16 14:26	20
Anthracene	ND		0.20		mg/Kg	Ħ	11/07/16 09:05	11/07/16 14:26	20
Fluoranthene	2.6		0,20		mg/Kg	Ø	11/07/16 09:05	11/07/16 14:26	20
Pyrene	2.4		0.20		mg/Kg	Þ	11/07/16 09:05	11/07/16 14:26	20
Benzo[a]anthracene	2.1		0.20		mg/Kg	₩	11/07/16 09:05	11/07/16 14:26	20
Chrysene	2.9		0.20		mg/Kg	ij.	11/07/16 09:05	11/07/16 14:26	20
Benzo[b]fluoranthene	4.0		0.20		mg/Kg	₩	11/07/16 09:05	11/07/16 14:26	20
Benzo[k]fluoranthene	1.3		0.20		mg/Kg	Ø	11/07/16 09:05	11/07/16 14:26	20
Benzo[a]pyrene	2.7		0.20		mg/Kg	算	11/07/16 09:05	11/07/16 14:26	20
Indeno[1,2,3-cd]pyrene	1.7		0.20		mg/Kg	Ф	11/07/16 09:05	11/07/16 14:26	20
Dibenz(a,h)anthracene	0.61		0.20		mg/Kg	☼	11/07/16 09:05	11/07/16 14:26	20
Benzo[g,h,i]perylene	2.1		0.20		mg/Kg	₿	11/07/16 09:05	11/07/16 14:26	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		23 - 120				11/07/16 09:05	11/07/16 14:26	20
2-Fluorobiphenyl (Surr)	93		38 - 123				11/07/16 09:05	11/07/16 14:26	20
p-Terphenyl-d14	107		68 - 136				11/07/16 09:05	11/07/16 14:26	20

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Client Sample ID: C-72

Lab Sample ID: 590-4917-5

Matrix: Solid

Percent Solids: 94.4

Ciler	IL 3	amp	ie il	); C	-12	
Date	Call	acted	- 11/	n///1	6.10	ากก

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
Diesel Range Organics (DRO) (C10-C25)	160		100		mg/Kg	ĬĮ.	11/07/16 10:22	11/07/16 13:12	10
Residual Range Organics (RRO) C25-C36)	750		260		mg/Kg	₩	11/07/16 10:22	11/07/16 13:12	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	118		50 - 150				11/07/16 10:22	11/07/16 13:12	10
n-Triacontane-d62	168	X	50 - 150				11/07/16 10:22	11/07/16 13:12	10
Method: 6010C - Metals (ICP)									
	Donult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Kesuit	Maliliei	IXE.	(110)	O		i roparoa	rinary 200	Ditta

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

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

Lab Sample ID: MB 590-9469/1-A

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9469

Analysis Daten. 9403	MB	MB						r rep bace	JII. J-100
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	-	11/07/16 09:05	11/07/16 15:41	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	-1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	्र
Acenaphthylene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	4
Acenaphthene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	9
Fluorene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Phenanthrene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Anthracene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Fluoranthene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	4
Pyrene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Chrysene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	4
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	-1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	্ৰ
Benzo[a]pyrene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	- 4
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/07/16 09:05	11/07/16 15:41	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70	23 - 120	11/07/16 09:05	11/07/16 15:41	1
2-Fluorobiphenyl (Surr)	92	38 - 123	11/07/16 09:05	11/07/16 15:41	1
p-Terphenyl-d14	120	68 - 136	11/07/16 09:05	11/07/16 15:41	1

Lab Sample ID: LCS 590-9469/2-A

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9469

Analysis batch: 9403							Prep	Daton: 9409
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Naphthalene	0.267	0.236		mg/Kg		88	41 - 121	
2-Methylnaphthalene	0.267	0,268		mg/Kg		100	39 - 132	
1-Methylnaphthalene	0.267	0,242		mg/Kg		91	46 - 131	
Acenaphthylene	0.267	0,238		mg/Kg		89	56 _ 123	
Acenaphthene	0.267	0.238		mg/Kg		89	43 - 140	
Fluorene	0.267	0.252		mg/Kg		95	54 _ 131	
Phenanthrene	0.267	0.319		mg/Kg		120	55 _ 141	
Anthracene	0.267	0.281		mg/Kg		105	60 - 129	
Fluoranthene	0.267	0.300		mg/Kg		113	63 - 141	
Pyrene	0.267	0.303		mg/Kg		114	62 - 139	
Benzo[a]anthracene	0.267	0.289		mg/Kg		108	61 - 136	
Chrysene	0.267	0.301		mg/Kg		113	57 - 144	
Benzo[b]fluoranthene	0.267	0,283		mg/Kg		106	66 - 141	
Benzo[k]fluoranthene	0.267	0.290		mg/Kg		109	63 _ 150	
Benzo[a]pyrene	0.267	0.276		mg/Kg		104	60 - 133	
Indeno[1,2,3-cd]pyrene	0.267	0.272		mg/Kg		102	55 _ 142	
Dibenz(a,h)anthracene	0.267	0.266		mg/Kg		100	60 - 150	
Benzo[g,h,i]perylene	0.267	0.271		mg/Kg		102	58 - 147	

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

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

Lab Sample ID: LCS 590-9469/2-A

Lab Sample ID: 590-4917-1 MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9469

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	79		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
p-Terphenyl-d14	124		68 - 136

Client Sample ID: C-68

Prep Type: Total/NA

Analysis Batch: 9463 Prep Batch: 9469

Analysis Batch. 5405	Sample	Sample	Spike	MS	MS				%Rec.
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits
Naphthalene	ND		0.264	0.211		mg/Kg		79	41 - 121
2-Methylnaphthalene	ND		0.264	0.242		mg/Kg	☆	91	39 - 132
1-Methylnaphthalene	ND		0.264	0.222		mg/Kg	✡	84	46 - 131
Acenaphthylene	ND		0,264	0.227		mg/Kg	$\Diamond$	86	56 - 123
Acenaphthene	ND		0.264	0.224		mg/Kg	☆	85	43 - 140
Fluorene	ND		0.264	0.242		mg/Kg	₩	91	54 _ 131
Phenanthrene	0.012		0.264	0.275		mg/Kg	☼	100	55 _ 141
Anthracene	ND		0.264	0.269		mg/Kg	☼	101	60 - 129
Fluoranthene	ND		0.264	0.280		mg/Kg	禁	104	63 _ 141
Pyrene	ND		0.264	0.261		mg/Kg	₿	96	62 _ 139
Benzo[a]anthracene	ND		0.264	0.272		mg/Kg	✡	102	61 - 136
Chrysene	ND		0.264	0.278		mg/Kg	☆	105	57 _ 144
Benzo[b]fluoranthene	ND		0.264	0.269		mg/Kg		101	66 _ 141
Benzo[k]fluoranthene	ND		0.264	0.269		mg/Kg	₿	102	63 - 150
Benzo[a]pyrene	ND		0.264	0.259		mg/Kg	岸	98	60 - 133
Indeno[1,2,3-cd]pyrene	ND		0.264	0.261		mg/Kg	≎	99	55 _ 142
Dibenz(a,h)anthracene	ND		0.264	0.256		mg/Kg	⇔	97	60 - 150
Benzo[g,h,i]perylene	ND		0.264	0,256		mg/Kg	☆	97	58 - 147
	мѕ	MS							

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	76		23 - 120
2-Fluorobiphenyl (Surr)	98		38 - 123
p-Terphenyl-d14	116		68 - 136

Lab Sample ID: 590-4917-1 MSD

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: C-68
Prep Type: Total/NA
Prep Batch: 9469

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	ND		0.270	0.207		mg/Kg	₩.	76	41 - 121	2	35
2-Methylnaphthalene	ND		0.270	0,235		mg/Kg	☼	86	39 - 132	3	35
1-Methylnaphthalene	ND		0.270	0.220		mg/Kg	☼	82	46 - 131	1	35
Acenaphthylene	ND		0.270	0.232		mg/Kg	₿	86	56 - 123	2	35
Acenaphthene	ND		0.270	0.229		mg/Kg	♡	85	43 - 140	2	35
Fluorene	ND		0.270	0.247		mg/Kg	☆	90	54 - 131	2	35
Phenanthrene	0.012		0.270	0.274		mg/Kg	☆	97	55 - 141	1	35
Anthracene	ND		0.270	0.276		mg/Kg	✡	101	60 - 129	3	35
Fluoranthene	ND		0.270	0,283		mg/Kg	☼	103	63 - 141	1	35
Pyrene	ND		0.270	0.267		mg/Kg		96	62 - 139	2	35

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

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

Lab Sample ID: 590-4917-1 MSD

Matrix: Solid

Benzo[g,h,i]perylene

Analysis Batch: 9463

Client Sample ID: C-68 Prep Type: Total/NA

Prep Batch: 9469

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifler	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzo[a]anthracene	ND		0,270	0.276		mg/Kg	Ħ	101	61 - 136	1	35
Chrysene	ND		0.270	0.290		mg/Kg	≎	107	57 - 144	4	35
Benzo[b]fluoranthene	ND		0.270	0.284		mg/Kg	₩	104	66 - 141	5	35
Benzo[k]fluoranthene	ND		0.270	0.280		mg/Kg	禁	104	63 _ 150	4	35
Benzo[a]pyrene	ND		0.270	0,273		mg/Kg	₩	101	60 - 133	5	35
Indeno[1,2,3-cd]pyrene	ND		0.270	0,272		mg/Kg	₩	100	55 - 142	4	35
Dibenz(a,h)anthracene	ND		0.270	0,264		mg/Kg	Ď.	98	60 - 150	3	35

0,265

0.270

MSD MSD

ND

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	76		23 - 120
2-Fluorobiphenyl (Surr)	97		38 - 123
p-Terphenyl-d14	115		68 - 136

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

Lab Sample ID: MB 590-9474/1-A

Matrix: Solid

Analysis Batch: 9476

Client Sample ID: Method Blank

58 - 147

₩

mg/Kg

Prep Type: Total/NA

Prep Batch: 9474

	MB	MB							
Analyte	Result	Qualifler	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		11/07/16 10:22	11/07/16 12:37	1
Residual Range Organics (RRO) (C25-C36)	ND		25	1	mg/Kg		11/07/16 10:22	11/07/16 12:37	1

(025-000)

		MB	MB				
	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
ļ	o-Terphenyl	64		50 - 150	11/07/16 10:22	11/07/16 12:37	1
ï	n-Triacontane-d62	63		50 - 150	11/07/16 10:22	11/07/16 12:37	1

Lab Sample ID: LCS 590-9474/2-A

Matrix: Solid

Analysis Batch: 9476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9474

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifler	Unit	D	%Rec	Limits
Diesel Range Organics (DRO)	67.1	60.6		mg/Kg		90	50 - 150
(C10-C25)							
Residual Range Organics (RRO)	66,8	61.6		mg/Kg		92	50 _ 150
(C35 C36)							

(C25-C36)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	93		50 <sub>-</sub> 150
n-Triacontane-d62	91		50 - 150

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: C-68

Client Sample ID: C-68

Client Sample ID: C-68

ij.

mg/Kg

Prep Type: Total/NA

Prep Batch: 9457

RPD

23

RPD

Limit

20

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 9457

Prep Batch: 9457

Prep Batch: 9457

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

Client Sample ID: C-68 Lab Sample ID: 590-4917-1 DU Prep Type: Total/NA Matrix: Solid

Prep Batch: 9474 Analysis Batch: 9475 DU DU Sample Sample Result Qualifier Unit D RPD Limit Analyte Result Qualifler 3 40 Diesel Range Organics (DRO) ND ND mg/Kg (C10-C25) 10 27 ND ND mg/Kg Residual Range Organics (RRO)

(C25-C36)

DU DU

%Recovery Qualifier Limits Surrogate 97 50 - 150 o-Terphenyl 88 50 - 150 n-Triacontane-d62

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9457/2-A

Matrix: Solid

Analysis Batch: 9486

MB MR Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Analyte 0.025 11/04/16 12:45 11/07/16 13:47 Lead mg/Kg

Lab Sample ID: LCS 590-9457/1-A

Matrix: Solid

Analysis Batch: 9486

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 1.00 0.994 mg/Kg 99 80 - 120 Lead

Lab Sample ID: 590-4917-1 MS

Matrix: Solid

Analysis Batch: 9486

Spike MS MS %Rec. Sample Sample %Rec Limits Analyte Result Qualifier Added Result Qualifler Unit D 75 - 125 Lead 6.1 52.2 60.2 mg/Kg 104

6.1

Lab Sample ID: 590-4917-1 MSD

Matrix: Solid

Analysis Batch: 9486

Prep Batch: 9457 Spike MSD MSD %Rec. RPD Sample Sample Result Qualifler Result Qualifier D %Rec Limits RPD Limit Added Unit Analyte Ċ. 51.7 99 75 - 125 5 20 Lead 6.1 57.4 mg/Kg

Lab Sample ID: 590-4917-1 DU

Matrix: Solid

Analyte

Lead

Analysis Batch: 9486

Sample Sample DU DU Result Qualifier Result Qualifier D Unit

7.65 F5

Client Sample ID: C-68

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

Client Sample ID: C-68 Lab Sample ID: 590-4917-1

Date Collected: 11/04/16 10:00

Matrix: Solid Date Received: 11/04/16 10:25 Percent Solids: 96.8

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15,63 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 12:45	NMI	TAL SPK
Total/NA	Prep	3550C			15.27 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9475	11/07/16 12:54	IMN	TAL SPK
Total/NA	Prep	3050B			1.25 g	50 mL	9457	11/04/16 12:45	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9486	11/07/16 13:49	JSP	TAL SPK

Lab Sample ID: 590-4917-2 Client Sample ID: C-69 Date Collected: 11/04/16 10:00 Matrix: Solid

Date Received: 11/04/16 10:25

Batch Batch DII Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Analysis Moisture EAF TAL SPK Total/NA 9447 11/04/16 12:27

Client Sample ID: C-69 Lab Sample ID: 590-4917-2

Date Collected: 11/04/16 10:00

Matrix: Solid Date Received: 11/04/16 10:25 Percent Solids: 97.2

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	3550C			15.16 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Analysis	8270D SIM		1			9463	11/07/16 13:11	NMI	TAL SPK
Prep	3550C			15.56 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Analysis	NWTPH-Dx		3			9475	11/07/16 13:12	NMI	TAL SPK
Prep	3050B			1.24 g	50 mL	9457	11/04/16 12:45	JSP	TAL SPK
Analysis	6010C		2			9486	11/07/16 14:06	JSP	TAL SPK
	Type Prep Analysis Prep Analysis	Type         Method           Prep         3550C           Analysis         8270D SIM           Prep         3550C           Analysis         NWTPH-Dx           Prep         3050B	Type         Method         Run           Prep         3550C           Analysis         8270D SIM           Prep         3550C           Analysis         NWTPH-Dx           Prep         3050B	Type         Method         Run         Factor           Prep         3550C         3550C         1           Analysis         8270D SIM         1         1           Prep         3550C         3550C	Type         Method         Run         Factor         Amount           Prep         3550C         15.16 g           Analysis         8270D SIM         1           Prep         3550C         15.56 g           Analysis         NWTPH-Dx         1           Prep         3050B         1.24 g	Type         Method         Run         Factor         Amount         Amount           Prep         3550C         15.16 g         2 mL           Analysis         8270D SIM         1           Prep         3550C         15.56 g         5 mL           Analysis         NWTPH-Dx         1           Prep         3050B         1.24 g         50 mL	Type         Method         Run         Factor         Amount         Amount         Number           Prep         3550C         15.16 g         2 mL         9469           Analysis         8270D SIM         1         9463           Prep         3550C         15.56 g         5 mL         9474           Analysis         NWTPH-Dx         1         9475           Prep         3050B         1.24 g         50 mL         9457	Type         Method         Run         Factor         Amount         Amount         Number         or Analyzed           Prep         3550C         15.16 g         2 mL         9469         11/07/16 09:05           Analysis         8270D SIM         1         9463         11/07/16 13:11           Prep         3550C         15.56 g         5 mL         9474         11/07/16 10:22           Analysis         NWTPH-Dx         1         9475         11/07/16 13:12           Prep         3050B         1.24 g         50 mL         9457         11/04/16 12:45	Type         Method         Run         Factor         Amount         Amount         Number         or Analyzed         Analyst           Prep         3550C         15.16 g         2 mL         9469         11/07/16 09:05         NMI           Analysis         8270D SIM         1         9463         11/07/16 13:11         NMI           Prep         3550C         15.56 g         5 mL         9474         11/07/16 10:22         NMI           Analysis         NWTPH-Dx         1         9475         11/07/16 13:12         NMI           Prep         3050B         1.24 g         50 mL         9457         11/04/16 12:45         JSP

Lab Sample ID: 590-4917-3 Client Sample ID: C-70 Date Collected: 11/04/16 10:00 Matrix: Solid

Date Received: 11/04/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

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#### Lab Chronicle

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

Lab Sample ID: 590-4917-3

TestAmerica Job ID: 590-4917-1

Matrix: Solid

Matrix: Solid

Percent Solids: 97.3

Client	Samp	le ID:	C-70
--------	------	--------	------

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15,50 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 13:35	NMI	TAL SPK
Total/NA	Prep	3550C			15,52 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9475	11/07/16 13:31	NMI	TAL SPK
Total/NA	Prep	3050B			1.28 g	50 mL	9457	11/04/16 12:45	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9486	11/07/16 14:09	JSP	TAL SPK

Client Sample ID: C-71 Lab Sample ID: 590-4917-4

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

Client Sample ID: C-71

Lab Sample ID: 590-4917-4

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25 Matrix: Solid Percent Solids: 96.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.22 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 14:01	NMI	TAL SPK
Total/NA	Prep	3550C			15.37 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9475	11/07/16 13:49	NMI	TAL SPK
Total/NA	Prep	3050B			1.24 g	50 mL	9457	11/04/16 12:45	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9486	11/07/16 14:13	JSP	TAL SPK

Client Sample ID: C-72 Lab Sample ID: 590-4917-5

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

Client Sample ID: C-72 Lab Sample ID: 590-4917-5

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25 Matrix: Solid

Percent Solids: 94.4

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.57 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		20			9463	11/07/16 14:26	NMI	TAL SPK
Total/NA	Prep	3550C			15.24 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		10			9476	11/07/16 13:12	NMI	TAL SPK
Total/NA	Prep	3050B			1,39 g	50 mL	9457	11/04/16 12:45	JSP	TAL SPK

TestAmerica Spokane

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11/7/2016

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#### **Lab Chronicle**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Client Sample ID: C-72

Lab Sample ID: 590-4917-5

Matrix: Solid

Date Collected: 11/04/16 10:00 Date Received: 11/04/16 10:25

Percent Solids: 94.4

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		2			9486	11/07/16 14:24	JSP	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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# **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

uthority	Program		EPA Region	Certification ID	Expiration Date	
Vashington	on State Program		10	C569	01-06-17	
	are included in this report, bu					
The following analytes and Analysis Method	are included in this report, bu Prep Method	t certification is not offe Matrix	ered by the governing a Analyt			
			Analyt			

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names/ES-4332.01

TestAmerica Job ID: 590-4917-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	TAL SPK
6010C	Metals (ICP)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# lestAmericc

THE LEADER IN ENVIRONMENTAL TESTING

PROJECT NAME: 5,5 tes of the HOLY Names

P.O. NUMBER:

PRESERVATIVE

Earth Solutions NW, LC

(425) 284-3300

REPORT TO CLIENT

PROJECT NUMBER: ES-4332.01

SAMPLED BY: Meopin, F. Poysnick

X T-HT9WU

REQUESTED ANALYSES

CRAHK

Total Lead

CLIENT SAMPLE

C-69

C-68

11/4/16

[Oaux

11-2

6-70

C-72

CHAIN OF CUSTODY REPORT

INVOICE TO:

11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119

509-924-9200 503-906-9200 907-563-9200

FAX 924-9290 FAX 906-9210 FAX 563-9210

Work Order #: Turnaround Requests less than standard 10 7 5 4 3 2 1 5 7D. Petroleum Hydrocarbon Analyses ( MATRIX # OF (W, S, O) CONT FIRM TACYDOK TIME 10:35 OTHER Specify RUSH TURNAROUND REQUEST Organic & Inorganic Analyses LOCATION/ COMMENTS 6.0° 9, 14 11 TA WOID

590-4917 Chain of Custody

ADDITIONAL REMARKS

RELEASED BY

NEGALA POLSMICK PRM

TO SERVICE

TIME DATE

10:35am

RECEIVED BY PRINT NAME: RECEIVED BY

MMI

YIIHII 1 ELVO

RELEASED BY

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11/7/2016

#### Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4917-1

List Source: TestAmerica Spokane

Login Number: 4917

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or campered 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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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 <a href="mailto:smm">&lt;6mm</a> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

# **TestAmerica**

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4927-1

Client Project/Site: Sisters of the Holy Names

For:

Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Knistine D. aller

Authorized for release by: 11/7/2016 4:38:22 PM

Kristine Allen, Manager of Project Management (253)248-4970

kristine.allen@testamericainc.com

Designee for

Randee Arrington, Project Manager II (509)924-9200

randee.arrington@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

# **Table of Contents**

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

Job ID: 590-4927-1

Laboratory: TestAmerica Spokane

Narrative

Job Narrative 590-4927-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 11/7/2016 8:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.8° C.

#### GC/MS Semi VOA

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.

#### **Sample Summary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4927-1	C-66A	Solid	11/07/16 07:10	11/07/16 08:55
590-4927-2	C-67A	Solid	11/07/16 07:28	11/07/16 08:55

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# **Definitions/Glossary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

#### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
п	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 Sample Results**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4927-1

Client Sample ID: C-66A

Date Collected: 11/07/16 07:10 Date Received: 11/07/16 08:55 Lab Sample ID: 590-4927-1

Matrix: Solid Percent Solids: 97.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	¤	11/07/16 09:08	11/07/16 16:59	1
2-Methylпарhthalene	ND		0.010		mg/Kg	贷	11/07/16 09:08	11/07/16 16:59	-1
1-Methylnaphthalene	ND		0.010		mg/Kg	尊	11/07/16 09:08	11/07/16 16:59	-1
Acenaphthylene	ND		0.010		mg/Kg	苅	11/07/16 09:08	11/07/16 16:59	-1
Acenaphthene	ND		0,010		mg/Kg	₽	11/07/16 09:08	11/07/16 16:59	1
Fluorene	ND		0.010		mg/Kg	₽	11/07/16 09:08	11/07/16 16:59	1
Phenanthrene	0.016		0,010		mg/Kg	≎	11/07/16 09:08	11/07/16 16:59	1
Anthracene	ND		0.010		mg/Kg	375	11/07/16 09:08	11/07/16 16:59	1
Fluoranthene	0.081		0.010		mg/Kg	≎	11/07/16 09:08	11/07/16 16:59	1
Pyrene	0.085		0.010		mg/Kg	禁	11/07/16 09:08	11/07/16 16:59	1
Benzo[a]anthracene	0.16		0.010		mg/Kg	\$	11/07/16 09:08	11/07/16 16:59	-1
Chrysene	0.20		0.010		mg/Kg	305	11/07/16 09:08	11/07/16 16:59	1
Benzo[b]fluoranthene	0.37		0.010		mg/Kg	禁	11/07/16 09:08	11/07/16 16:59	1
Benzo[k]fluoranthene	0.13		0.010		mg/Kg	故	11/07/16 09:08	11/07/16 16:59	4
Benzo[a]pyrene	0.26		0.010		mg/Kg	₩	11/07/16 09:08	11/07/16 16:59	1
Indeno[1,2,3-cd]pyrene	0.17		0.010		mg/Kg	₩	11/07/16 09:08	11/07/16 16:59	- 1
Dibenz(a,h)anthracene	0.071		0.010		mg/Kg	华	11/07/16 09:08	11/07/16 16:59	1
Benzo[g,h,i]perylene	0.20		0.010		mg/Kg	<b>☆</b>	11/07/16 09:08	11/07/16 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	63		23 - 120				11/07/16 09:08	11/07/16 16:59	1
2-Fluorobiphenyl (Surr)	83		38 - 123				11/07/16 09:08	11/07/16 16:59	1
p-Terphenyl-d14	113		68 - 136				11/07/16 09:08	11/07/16 16:59	1

Client Sample ID: C-67A

Date Collected: 11/07/16 07:28 Date Received: 11/07/16 08:55 Lab Sample ID: 590-4927-2

Matrix: Solid Percent Solids: 98.2

Analyte	Result	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.0096		mg/Kg	ä	11/07/16 09:08	11/07/16 15:17	1
2-Methylnaphthalene	ND	0.0096		mg/Kg	₽	11/07/16 09:08	11/07/16 15:17	1
I-Methylnaphthalene	ND	0,0096		mg/Kg	☆	11/07/16 09:08	11/07/16 15:17	1
Acenaphthylene	ND	0.0096		mg/Kg	⇔	11/07/16 09:08	11/07/16 15:17	1
Acenaphthene	ND	0.0096		mg/Kg	₽.	11/07/16 09:08	11/07/16 15:17	1
Fluorene	ND	0,0096		mg/Kg	Þ	11/07/16 09:08	11/07/16 15:17	1
Phenanthrene	0.022	0.0096		mg/Kg	苡	11/07/16 09:08	11/07/16 15:17	1
Anthracene	ND	0.0096		mg/Kg	₩	11/07/16 09:08	11/07/16 15:17	1
Fluoranthene	0.080	0.0096		mg/Kg	益	11/07/16 09:08	11/07/16 15:17	1
Pyrene	0.074	0.0096		mg/Kg	₽	11/07/16 09:08	11/07/16 15:17	1
Benzo[a]anthracene	0.064	0.0096		mg/Kg	草	11/07/16 09:08	11/07/16 15:17	1
Chrysene	0.086	0.0096		mg/Kg	尊	11/07/16 09:08	11/07/16 15:17	1
Benzo[b]fluoranthene	0.12	0.0096		mg/Kg	苡	11/07/16 09:08	11/07/16 15:17	1
Benzo[k]fluoranthene	0.040	0.0096		mg/Kg	₽	11/07/16 09:08	11/07/16 15:17	1
Benzo[a]pyrene	0.075	0.0096		mg/Kg	775	11/07/16 09:08	11/07/16 15:17	1
ndeno[1,2,3-cd]pyrene	0.046	0.0096		mg/Kg	ث	11/07/16 09:08	11/07/16 15:17	1
Dibenz(a,h)anthracene	0.018	0.0096		mg/Kg	₿	11/07/16 09:08	11/07/16 15:17	1
Зепzo[g,h,i]perylene	0.059	0.0096		mg/Kg	禁	11/07/16 09:08	11/07/16 15:17	3

#### **Client Sample Results**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4927-1

Client Sample ID: C-67A

Date Collected: 11/07/16 07:28 Date Received: 11/07/16 08:55 Lab Sample ID: 590-4927-2

Matrix: Solid

Percent Solids: 98.2

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	64	23 - 120	11/07/16 09:08	11/07/16 15:17	1
2-Fluorobiphenyl (Surr)	89	38 - 123	11/07/16 09:08	11/07/16 15:17	1
p-Terphenyl-d14	118	68 - 136	11/07/16 09:08	11/07/16 15:17	1

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

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

Lab Sample ID: MB 590-9469/1-A

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9469

	MB	MB					
Analyte	Result	Qualifier RL	MDL Uni	it D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
2-Methylnaphthalene	ND	0.010	mg.	/Kg	11/07/16 09:05	11/07/16 15:41	1
1-Methylnaphthalene	ND	0.010	mg.	/Kg	11/07/16 09:05	11/07/16 15:41	1
Acenaphthylene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Acenaphthene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	4
Fluorene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	4
Phenanthrene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Anthracene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Fluoranthene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Pyrene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Benzo[a]anthracene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Chrysene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Benzo[b]fluoranthene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Benzo[k]fluoranthene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Benzo[a]pyrene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Indeno[1,2,3-cd]pyrene	ND	0,010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Dibenz(a,h)anthracene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1
Benzo[g,h,i]perylene	ND	0.010	mg	/Kg	11/07/16 09:05	11/07/16 15:41	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	70	23 - 120	11/07/16 09:05	11/07/16 15:41	1
2-Fluorobiphenyl (Surr)	92	38 - 123	11/07/16 09:05	11/07/16 15:41	1
p-Terphenyl-d14	120	68 - 136	11/07/16 09:05	11/07/16 15:41	1

Lab Sample ID: LCS 590-9469/2-A

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9469

, indivolo Batoni a ree							,
•	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	0.267	0,236		mg/Kg		88	41 - 121
2-Methylnaphthalene	0.267	0.268		mg/Kg		100	39 _ 132
1-Methylnaphthalene	0.267	0.242		mg/Kg		91	46 - 131
Acenaphthylene	0.267	0,238		mg/Kg		89	56 _ 123
Acenaphthene	0,267	0.238		mg/Kg		89	43 _ 140
Fluorene	0.267	0.252		mg/Kg		95	54 - 131
Phenanthrene	0.267	0.319		mg/Kg		120	55 _ 141
Anthracene	0.267	0.281		mg/Kg		105	60 - 129
Fluoranthene	0.267	0.300		mg/Kg		113	63 - 141
Pyrene	0.267	0.303		mg/Kg		114	62 - 139
Benzo[a]anthracene	0,267	0,289		mg/Kg		108	61 - 136
Chrysene	0.267	0.301		mg/Kg		113	57 _ 144
Benzo[b]fluoranthene	0,267	0.283		mg/Kg		106	66 - 141
Benzo[k]fluoranthene	0.267	0.290		mg/Kg		109	63 - 150
Benzo[a]pyrene	0.267	0.276		mg/Kg		104	60 _ 133
Indeno[1,2,3-cd]pyrene	0.267	0.272		mg/Kg		102	55 - 142
Dibenz(a,h)anthracene	0.267	0.266		mg/Kg		100	60 _ 150
Benzo[g,h,i]perylene	0,267	0.271		mg/Kg		102	58 - 147

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

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

Lab Sample ID: LCS 590-9469/2-A

Matrix: Solid

Analysis Batch: 9463

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9469

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	79		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
n-Ternhenyl-d14	124		68 - 136

#### **Lab Chronicle**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4927-1

Client Sample ID: C-66A

Date Collected: 11/07/16 07:10 Date Received: 11/07/16 08:55 Lab Sample ID: 590-4927-1

Lab Sample ID: 590-4927-1

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9471	11/07/16 09:25	NMI	TAL SPK

Client Sample ID: C-66A

Date Collected: 11/07/16 07:10

Date Received: 11/07/16 08:55

Matrix: Solid Percent Solids: 97.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.21 g	2 mL	9469	11/07/16 09:08	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 16:59	NMI	TAL SPK

Client Sample ID: C-67A

Date Collected: 11/07/16 07:28

Date Received: 11/07/16 08:55

Lab	Sample	ID:	590-4927-2
			Matrix: Solid

î		Batch	Batch		DII	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	Moisture		1			9471	11/07/16 09:25	NMI	TAL SPK

Client Sample ID: C-67A

Date Collected: 11/07/16 07:28 Date Received: 11/07/16 08:55 Lab Sample ID: 590-4927-2

Matrix: Solid

Percent Solids: 98.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.89 g	2 mL	9469	11/07/16 09:08	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 15:17	NMI	TAL SPK

Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

#### **Certification Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program		EPA Region	Certification ID	Expiration Date
<i>N</i> ashington	State Prog	gram .	10	C569	01-06-17
The following analytes	are included in this report, bu	it certification is not offer	ed by the governing a	authority:	
	•			-	
Analysis Method	are included in this report, bu Prep Method	Matrix	Analyt	e	
	•		Analyt	-	

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4927-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99205-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Sie A10, Anchorage, AK 99502-1119

503-924-9200 FAX 924-9290 503-906-9200 FAX 906-9210 907-563-9200 FAX 563-9210

\_\_\_\_ 11/7/2016

CHAIN OF CUSTODY REPORT	Work Order #:
INVOICE TO:	TURNAROUND REQUEST
EARTH SOLUTIONS NO	in Business Days *  Creanir & Increasur Analyses
	19 7 5 4 3 2 1
P.O. NUMBER:	57D. Petroleum Hydrocarbon Analyses
PROJECT NAMES SISTERS OF THE HOLY NAMES	5 4 3 2 1
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NOQUEST CATALOG SECONDARY	" Turnaround Requests lets than standard must neur Ruch Charges
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	590-4927 Chain of Custody
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DATE	
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	1200 000 (0714)

#### **Login Sample Receipt Checklist**

Client: Earth Solutions NW LLC

Job Number: 590-4927-1

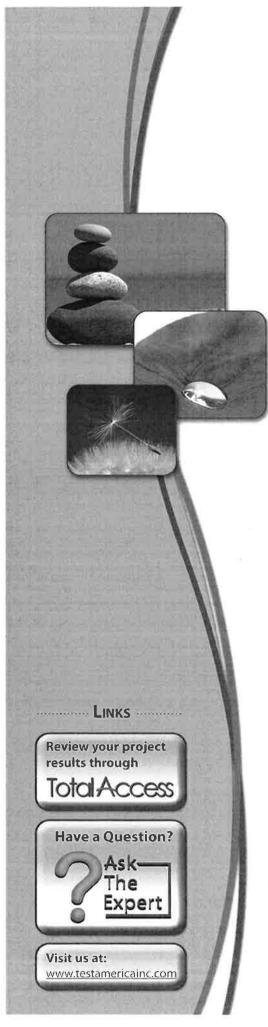
List Source: TestAmerica Spokane

Login Number: 4927 List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

12



# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc. TestAmerica Spokane 11922 East 1st Ave Spokane, WA 99206 Tel: (509)924-9200

TestAmerica Job ID: 590-4936-1 Client Project/Site: Sisters of the Holy Names

For: Earth Solutions NW LLC 1805 136th Place NE Suite 201 Bellevue, Washington 98005

Attn: Ted Sykes

Authorized for release by: 11/8/2016 3:37:51 PM

Randee Arrington, Project Manager II (509)924-9200 randee.arrington@testamericainc.com

tandue trington

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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#### **Case Narrative**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Job ID: 590-4936-1

Laboratory: TestAmerica Spokane

Narrative

Receipt

The samples were received on 11/8/2016 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8° C.

**GC/MS Semi VOA** 

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.

TestAmerica Spokane 11/8/2016

# **Sample Summary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-4936-1	C-66B	Solid	11/08/16 07:43	11/08/16 08:30
590-4936-2	C-72A	Solid	11/08/16 07:54	11/08/16 08:30

#### **Definitions/Glossary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

#### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
<b>u</b>	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 Sample Results**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Client Sample ID: C-66B

Date Collected: 11/08/16 07:43 Date Received: 11/08/16 08:30 Lab Sample ID: 590-4936-1

Matrix: Solid

Percent Solids: 97.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0097		mg/Kg	ф	11/08/16 09:05	11/08/16 13:06	1
2-Methylnaphthalene	ND		0,0097		mg/Kg	\$	11/08/16 09:05	11/08/16 13:06	1
1-Methylnaphthalene	ND		0.0097		mg/Kg	ħ	11/08/16 09:05	11/08/16 13:06	1
Acenaphthylene	ND		0,0097		mg/Kg	詳	11/08/16 09:05	11/08/16 13:06	1
Acenaphthene	ND		0,0097		mg/Kg	ά	11/08/16 09:05	11/08/16 13:06	1
Fluorene	ND		0.0097		mg/Kg	≎	11/08/16 09:05	11/08/16 13:06	1
Phenanthrene	ND		0,0097		mg/Kg	ÜF	11/08/16 09:05	11/08/16 13:06	1
Anthracene	ND		0.0097		mg/Kg	尊	11/08/16 09:05	11/08/16 13:06	1
Fluoranthene	ND		0,0097		mg/Kg	₽	11/08/16 09:05	11/08/16 13:06	1
Pyrene	ND		0.0097		mg/Kg	草	11/08/16 09:05	11/08/16 13:06	1
Benzo[a]anthracene	ND		0.0097		mg/Kg	#	11/08/16 09:05	11/08/16 13:06	1
Chrysene	ND		0.0097		mg/Kg	##	11/08/16 09:05	11/08/16 13:06	1
Benzo[b]fluoranthene	ND		0.0097		mg/Kg	华	11/08/16 09:05	11/08/16 13:06	1
Benzo[k]fluoranthene	ND		0.0097		mg/Kg	許	11/08/16 09:05	11/08/16 13:06	1
Benzo[a]pyrene	ND		0.0097		mg/Kg	Ħ	11/08/16 09:05	11/08/16 13:06	1
Indeno[1,2,3-cd]pyrene	ND		0.0097		mg/Kg	ά	11/08/16 09:05	11/08/16 13:06	1
Dibenz(a,h)anthracene	ND		0,0097		mg/Kg	\$\$	11/08/16 09:05	11/08/16 13:06	1
Benzo[g,h,i]perylene	ND		0.0097		mg/Kg	#	11/08/16 09:05	11/08/16 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		23 _ 120				11/08/16 09:05	11/08/16 13:06	1
2-Fluorobiphenyl (Surr)	75		38 - 123				11/08/16 09:05	11/08/16 13:06	1
p-Terphenyl-d14	110		68 - 136				11/08/16 09:05	11/08/16 13:06	1

Client Sample ID: C-72A

Date Collected: 11/08/16 07:54

Date Received: 11/08/16 08:30

Lab Sample ID: 590-4936-2

Matrix: Solid

Percent Solids: 97.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	Ϋ́	11/08/16 09:05	11/08/16 13:32	1
2-Methylnaphthalene	ND		0.010		mg/Kg	ķί	11/08/16 09:05	11/08/16 13:32	1
1-Methylnaphthalene	ND		0.010		mg/Kg	331	11/08/16 09:05	11/08/16 13:32	1
Acenaphthylene	ND		0.010		mg/Kg	₹\$	11/08/16 09:05	11/08/16 13:32	9
Acenaphthene	ND		0.010		mg/Kg	故	11/08/16 09:05	11/08/16 13:32	1
Fluorene	ND		0.010		mg/Kg	Ü	11/08/16 09:05	11/08/16 13:32	1
Phenanthrene	ND		0.010		mg/Kg	Ü	11/08/16 09:05	11/08/16 13:32	1
Anthracene	ND		0.010		mg/Kg	₽	11/08/16 09:05	11/08/16 13:32	1
Fluoranthene	0.015		0.010		mg/Kg	苡	11/08/16 09:05	11/08/16 13:32	1
Pyrene	0.014		0.010		mg/Kg	≎	11/08/16 09:05	11/08/16 13:32	1
Benzo[a]anthracene	0.013		0.010		mg/Kg	草	11/08/16 09:05	11/08/16 13:32	1
Chrysene	0.017		0.010		mg/Kg	₽	11/08/16 09:05	11/08/16 13:32	1
Benzo[b]fluoranthene	0.026		0.010		mg/Kg	Þ	11/08/16 09:05	11/08/16 13:32	-1
Benzo(k)fluoranthene	0.010		0.010		mg/Kg	₽	11/08/16 09:05	11/08/16 13:32	1
Вепzо[а]ругепе	0.017		0.010		mg/Kg	₩	11/08/16 09:05	11/08/16 13:32	1
Indeno[1,2,3-cd]pyrene	0.013		0.010		mg/Kg	₩.	11/08/16 09:05	11/08/16 13:32	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	n	11/08/16 09:05	11/08/16 13:32	1
Benzo[g,h,i]perylene	0.014		0.010		mg/Kg	₩	11/08/16 09:05	11/08/16 13:32	1

TestAmerica Spokane

11/8/2016

#### **Client Sample Results**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Client Sample ID: C-72A

Lab Sample ID: 590-4936-2

Date Collected: 11/08/16 07:54

Matrix: Solid Percent Solids: 97.9

Date Received: 11/08/16 08:30

Prepared	Analyzed	Dil Fac	
08/16 09:05	11/08/16 13:32	1	

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	69		23 - 120	11/08/16 09:05	11/08/16 13:32	1
2-Fluorobiphenyl (Surr)	90		38 _ 123	11/08/16 09:05	11/08/16 13:32	1
p-Terphenyl-d14	114		68 _ 136	11/08/16 09:05	11/08/16 13:32	1

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

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

Lab Sample ID: MB 590-9494/1-A

Matrix: Solid Analysis Batch: 9489 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 9494

	MB	MB					
Analyte	Result	Qualifier RI	MDL.	Unit	D Prepared	Analyzed	Dil Fac
Naphthalene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
2-Methylnaphthalene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
1-Methylnaphthalene	ND	0.016	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Acenaphthylene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Acenaphthene	ND	0,010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Fluorene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Phenanthrene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Anthracene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Fluoranthene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Pyrene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Benzo[a]anthracene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Chrysene	ND	0,010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Benzo[b]fluoranthene	ND	0,010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Benzo[k]fluoranthene	ND	0,010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Benzo[a]pyrene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Indeno[1,2,3-cd]pyrene	ND	0,010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Dibenz(a,h)anthracene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1
Benzo[g,h,i]perylene	ND	0.010	)	mg/Kg	11/08/16 09:05	11/08/16 11:02	1

MB MB

Surrogate	%Recovery	y Qualifier Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d	5 79	9 23 - 120	11/08/16 09:05	11/08/16 11:02	1
2-Fluorobiphen	(Surr) 9	7 38 - 123	11/08/16 09:05	11/08/16 11:02	1
p-Terphenyl-d1	4 120	0 68 - 136	11/08/16 09:05	11/08/16 11:02	1

Lab Sample ID: LCS 590-9494/2-A

Matrix: Solid

Analysis Batch: 9489

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9494

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Naphthalene	0.267	0.214		mg/Kg		80	41 - 121	
2-Methylnaphthalene	0.267	0.241		mg/Kg		90	39 - 132	
1-Methylnaphthalene	0.267	0.221		mg/Kg		83	46 - 131	
Acenaphthylene	0.267	0.217		mg/Kg		81	56 - 123	
Acenaphthene	0.267	0.225		mg/Kg		84	43 - 140	
Fluorene	0.267	0.238		mg/Kg		89	54 - 131	
Phenanthrene	0.267	0,267		mg/Kg		100	55 - 141	
Anthracene	0.267	0,281		mg/Kg		105	60 - 129	
Fluoranthene	0.267	0,279		mg/Kg		105	63 - 141	
Pyrene	0.267	0.260		mg/Kg		97	62 - 139	
Benzo[a]anthracene	0.267	0.271		mg/Kg		101	61 - 136	
Chrysene	0.267	0.291		mg/Kg		109	57 - 144	
Benzo[b]fluoranthene	0.267	0.269		mg/Kg		101	66 - 141	
Benzo[k]fluoranthene	0.267	0.270		mg/Kg		101	63 - 150	
Benzo[a]pyrene	0.267	0.259		mg/Kg		97	60 - 133	
Indeno[1,2,3-cd]pyrene	0.267	0.278		mg/Kg		104	55 - 142	
Dibenz(a,h)anthracene	0.267	0.275		mg/Kg		103	60 - 150	
Benzo[g,h,i]perylene	0.267	0.275		mg/Kg		103	58 - 147	

TestAmerica Spokane

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11/8/2016

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names TestAmerica Job ID: 590-4936-1

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

Lab Sample ID: LCS 590-9494/2-A

Lab Sample ID: LCSD 590-9494/3-A

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 9494

Analysis Batch: 9489

Matrix: Solid

Matrix: Solid

LCS LCS

	200	200	
Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	76		23 - 120
2-Fluorobiphenyl (Surr)	96		38 - 123
p-Terphenyl-d14	116		68 - 136

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

Analysis Batch: 9489							Pre	p Batch	: 9494
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	0.267	0.213		mg/Kg		80	41 - 121	1	35
2-Methylnaphthalene	0.267	0.235		mg/Kg		88	39 - 132	2	35
1-Methylnaphthalene	0.267	0.221		mg/Kg		83	46 - 131	0	35
Acenaphthylene	0_267	0.230		mg/Kg		86	56 - 123	6	35
Acenaphthene	0.267	0.232		mg/Kg		87	43 - 140	3	35
Fluorene	0.267	0.254		mg/Kg		95	54 - 131	6	35
Phenanthrene	0.267	0.276		mg/Kg		103	55 - 141	3	35
Anthracene	0.267	0.274		mg/Kg		103	60 - 129	2	35
Fluoranthene	0.267	0.290		mg/Kg		109	63 - 141	4	35
Pyrene	0.267	0.264		mg/Kg		99	62 _ 139	2	35
Benzo[a]anthracene	0.267	0.283		mg/Kg		106	61 - 136	4	35
Chrysene	0.267	0.300		mg/Kg		113	57 - 144	3	35
Benzo[b]fluoranthene	0.267	0.286		mg/Kg		107	66 - 141	6	35
Benzo[k]fluoranthene	0.267	0.284		mg/Kg		107	63 - 150	5	35
Benzo[a]pyrene	0.267	0.270		mg/Kg		101	60 - 133	4	35
Indeno[1,2,3-cd]pyrene	0.267	0.295		mg/Kg		110	55 - 142	6	35
Dibenz(a,h)anthracene	0.267	0.290		mg/Kg		109	60 - 150	5	35
Benzo[g,h,i]perylene	0.267	0.283		mg/Kg		106	58 - 147	3	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	80		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
p-Terphenyl-d14	126		68 <sub>-</sub> 136

Lab Sample ID: 590-4936-1 MS

Matrix: Solid

Analysis Batch: 9489

Client Sample ID: C-66B Prep Type: Total/NA

Prep Batch: 9494

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Naphthalene	ND		0.268	0.217		mg/Kg	₩	81	41 - 121
2-Methylnaphthalene	ND		0.268	0.250		mg/Kg	₿	93	39 _ 132
1-Methylnaphthalene	ND		0.268	0.228		mg/Kg	*#	85	46 - 131
Acenaphthylene	ND		0.268	0.234		mg/Kg	ά	87	56 _ 123
Acenaphthene	ND		0.268	0.239		mg/Kg	₩	89	43 - 140
Fluorene	ND		0:268	0.254		mg/Kg	₽	95	54 _ 131
Phenanthrene	ND		0.268	0.266		mg/Kg	₿	98	55 _ 141
Anthracene	ND		0.268	0,273		mg/Kg	₿	102	60 - 129
Fluoranthene	ND		0.268	0.276		mg/Kg	☆	103	63 _ 141
Pyrene	ND		0.268	0.250		mg/Kg	草	93	62 _ 139

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

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

Lab Sample ID: 590-4936-1 MS

Matrix: Solid

Analysis Batch: 9489

Client Sample ID: C-66B Prep Type: Total/NA

Prep Batch: 9494

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzo[a]anthracene	ND		0,268	0.270		mg/Kg	₿	100	61 - 136	
Chrysene	ND		0.268	0.276		mg/Kg	尊	103	57 _ 144	
Benzo[b]fluoranthene	ND		0.268	0,278		mg/Kg	章	103	66 - 141	
Benzo[k]fluoranthene	ND		0.268	0.271		mg/Kg	≎	101	63 _ 150	
Benzo[a]pyrene	ND		0.268	0.258		mg/Kg	☆	97	60 - 133	
Indeno[1,2,3-cd]pyrene	ND		0.268	0.278		mg/Kg	≎	103	55 - 142	
Dibenz(a,h)anthracene	ND		0.268	0.274		mg/Kg	₩	102	60 - 150	
Benzo[g,h,i]perylene	ND		0.268	0.269		mg/Kg	\$	101	58 - 147	

MS MS

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	47		23 - 120
2-Fluorobiphenyl (Surr)	76		38 - 123
p-Terphenyl-d14	111		68 - 136

Lab Sample ID: 590-4936-1 MSD

Matrix: Solid

Analysis Batch: 9489

Indeno[1,2,3-cd]pyrene

Dibenz(a,h)anthracene

Benzo[g,h,i]perylene

Client Sample ID: C-66B

Prep Type: Total/NA Prep Batch: 9494

MSD MSD %Rec. RPD Sample Sample Spike %Rec Result Qualifier Limits RPD Limit Analyte Result Qualifier Added Unit D # 41 - 121 35 Naphthalene ND 0.270 0.232 mg/Kg 86 Č. ND 0.270 0,257 mg/Kg 95 39 - 132 3 35 2-Methylnaphthalene ζţ 46 - 131 6 35 ND 0.270 0.241 mg/Kg 89 1-Methylnaphthalene ☆ 93 7 35 56 - 123 Acenaphthylene ND 0.270 0.250 mg/Kg ₩ 91 43 \_ 140 3 35 Acenaphthene ND 0.270 0.245 mg/Kg 台 0.270 0,267 99 54 - 131 5 35 Fluorene ND mg/Kg ₽ 5 35 ND 0.279 mg/Kg 103 55 - 141 Phenanthrene 0.270 8 35 109 60 - 129 Anthracene ND 0.270 0.295 mg/Kg ₽ 8 35 Fluoranthene ND 0.270 0.299 mg/Kg 111 63 - 141 ¢ 0.263 97 62 - 139 5 35 Pyrene ND 0.270 mg/Kg Ü 7 0.290 107 61 - 136 35 Benzo[a]anthracene ND 0.270 mg/Kg ₩ 57 - 144 8 35 Chrysene ND 0.270 0.301 mg/Kg 112 Ö 9 Benzo[b]fluoranthene ND 0.270 0.305 mg/Kg 112 66 - 141 35 ☆ 106 63 - 150 5 35 Benzo[k]fluoranthene ND 0.270 0.285 mg/Kg ₽ 0.276 102 60 \_ 133 6 35 Benzo[a]pyrene ND 0.270 mg/Kg

0.299

0.296

0.294

0.270

0.270

0.270

MSD MSD

ND

ND

ND

Surrogate	%Recovery	Qualifier	Limits
Nitrobenzene-d5	72		23 - 120
2-Fluorobiphenyl (Surr)	100		38 - 123
p-Terphenyl-d14	126		68 <sub>-</sub> 136

☆

贫

茯

110

110

55 \_ 142

60 - 150

58 - 147

mg/Kg

mg/Kg

mg/Kg

7

8

35

35

35

#### **Lab Chronicle**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Client Sample ID: C-66B

Date Collected: 11/08/16 07:43 Date Received: 11/08/16 08:30 Lab Sample ID: 590-4936-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9493	11/08/16 09:03	EAF	TAL SPK

Client Sample ID: C-66B

Date Collected: 11/08/16 07:43

Date Received: 11/08/16 08:30

Lab Sample ID: 590-4936-1

Matrix: Solid Percent Solids: 97.3

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.89 g	2 mL	9494	11/08/16 09:05	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9489	11/08/16 13:06	NMI	TAL SPK

Client Sample ID: C-72A

Date Collected: 11/08/16 07:54

Date Received: 11/08/16 08:30

Lab Sample ID: 590-4936-2

Matrix: Solid

	Batch	Batch		DII	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9493	11/08/16 09:03	EAF	TAL SPK

Client Sample ID: C-72A

Date Collected: 11/08/16 07:54

Date Received: 11/08/16 08:30

Lab Sample ID: 590-4936-2

Matrix: Solid

Percent Solids: 97.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.31 g	2 mL	9494	11/08/16 09:05	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9489	11/08/16 13:32	NMI	TAL SPK

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

# **Certification Summary**

Client: Earth Solutions NW LLC Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

#### Laboratory: TestAmerica Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

ithority	Program	Program State Program		Certification ID	Expiration Date
/ashington	State Prog			C569	01-06-17
The following analytes	are included in this report, bu	it certification is not offer	ed by the governing a	uthority:	
The following analytes Analysis Method	are included in this report, bu Prep Method	t certification is not offer Matrix	ed by the governing a Analyt	_	
			Analyt	_	

#### **Method Summary**

Client: Earth Solutions NW LLC

Project/Site: Sisters of the Holy Names

TestAmerica Job ID: 590-4936-1

Method	Method Description	Protocol	Laboratory
8270D SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK

#### Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

TAL SPK = TestAmerica Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Auroort Rd Ste A10, Anchorage, AK 99502-1119

WO ID FAX 924-9290 FAX 906-9210 FAX 563-9210 TURNAROUND REQUEST OTHER Specify RUSH 7 S 4 3 2 Petroleum Hydrocarbon Analyse LOCATION/ COMMENTS Organic & Inorganic Analyses 5 4 3 2 8 In Business Days " 509-924-9200 503-906-9200 907-563-9200 Work Order #: # OF CONT. MATRUX (W. S. O) V **9** V CHAIN OF CUSTODY REPORT EARTH SOLATIONS NW REQUESTED ANALYSES PRESERVATIVE P.O. NUMBER: CPA45 X X THE LEADER IN ENVIRONMENTAL TESTING 7:43 am 7:54an PROJECT NAMES SISTERS OF THE HOLY NAMES SAMPLING DATE/TIME 91/8/11 11/2/16 CLIENT EARTH SOLUTIONS NUL PROJECT NUMBER: 65-4332, 01 PHONE: (425) 284-3300 FAX: SAMPLED BY TED Sykes ADDRESS. CLIENT SAMPLE IDENTIFICATION C-668 C-72A

FIRM

ADDITIONAL REMARKS

FIRMS

PRINT NAMES RELEASED BY RELEASED BY PRINT NAME

TAL-1000 (0714)

482

TEMP.

DATE 11.8.16 THE OSSO

FIRM Touthous 101 / 1

Hot Suda

PRINT NAME RECEIVED BY: PRINT NAME

21/2/11

RECEIVED BY WATER

590-4936 Chain of Custody

TIME

HRM

#### Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4936-1

Login Number: 4936

List Number: 1

Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	v
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?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

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#### Distribution

#### ES-4332.01

# **EMAIL ONLY**

Copper River Apartments, LLC 120 West Cataldo Avenue, Suite 100 Spokane, Washington 99201

Attention: Mr. John Fisher