



Geotechnical Engineering
Geology
Environmental Scientists
Construction Monitoring



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

ES-4332.01

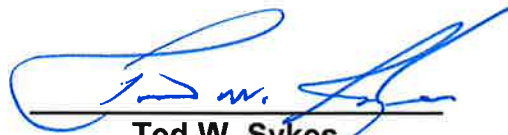
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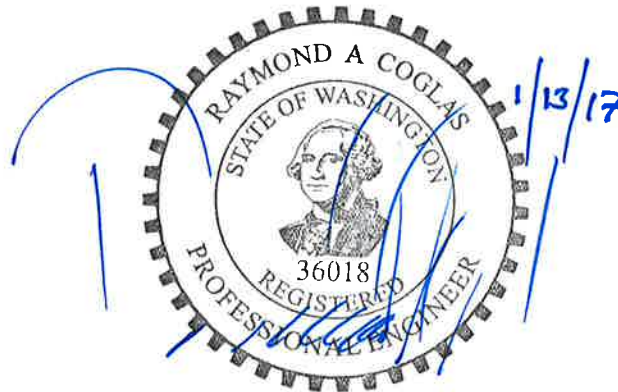
January 4, 2017

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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.

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

Sample Location	Analytes		SP-1	SP-2	SP-3	SP-4	SP-5	SP-1
	MTC A Method A cleanup level	MTC A Method B cleanup level						
Total Petroleum Hydrocarbons (mg/kg)								
Diesel	2000	--	380	80	1300	40	16	1200
Heavy Oil range	2000	--	1400	300	3800	120	45	4400
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)								
Benzo(a)pyrene	--	--	23	0.59	57	3	0.27	30
Benzo(a)anthracene	--	--	16	0.41	42	2.6	0.23	21
Benzo(b)fluoranthene	--	--	30	0.8	81	4.4	0.39	39
Benzo(k)fluoranthene	--	--	10	0.3	25	1.6	0.14	14
Chrysene	--	--	19	0.51	49	2.8	0.27	28
Dibenzo(a,h)anthracene	--	--	4.3	0.12	11	0.68	0.062	6
Indeno(1,2,3-cd)pyrene	--	--	14	0.39	37	1.8	0.17	19
Total cPAHs (TTEC)	0.1	--	30.62	0.7971	77.09	4.136	0.3719	40.18
Total Metals (mg/kg)								
Lead	250	--	11	10	19	22	33	29

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.

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	MTCA Method A cleanup level	MTCA Method B cleanup level	C-1		C-2		C-3		C-4		C-5		C-6		C-7		C-8		C-9		C-10					
			N Sidewall	0.75	N Sidewall	0.75	Bottom	2.0	Bottom	2.0	Bottom	2.0	E Sidewall	0.75	Bottom	2.0	E Sidewall	0.75	Bottom	2.0	E Sidewall	0.75	Bottom	2.0	E Sidewall	0.75
Total Petroleum Hydrocarbons (mg/kg)																										
Diesel	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Heavy Oil range	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)																										
Benzo(a)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(a)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(b)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(k)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chrysene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dibenzo(a,h)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Indeno(1,2,3-cd)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total rPAHs (TTEC)	0.1	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Metals (mg/kg)																										
Lead	250	--	8.3	8.1	9	6.9	9	8.4	7.6	7.5	7.1	10	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.

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	MTCA Method A cleanup level	MTCA Method B cleanup level	C-11		C-12		C-13		C-14		C-15		C-16		C-17		C-18		C-19		C-20	
			Bottom	E. Sidewall	E. Sidewall	E. Sidewall	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
Total Petroleum Hydrocarbons (mg/kg)																						
Diesel	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	560
Heavy Oil range	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2100
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)																						
Benzo(a)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	72
Benzo(a)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	58
Benzo(b)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	110
Benzo(k)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35
Chrysene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	68
Dibenzo(a,h)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12
Indeno(1,2,3-cd)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	34
Total ePAHs (TTEC)	0.1	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	97.58
Total Metals (mg/kg)																						
Lead	250	--	7.6	7.1	7.1	6.3	6.6	8.1	7.7	7.1	6.6	6.6	8.1	7.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	51

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
 N/A = 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		MTC A Method A cleanup level	MTC A Method B cleanup level	C-20A	C-21	C-22	C-23	C-24	C-25
Sample Depth (Feet)		0.75		0.75	2.0	0.75	2.0	0.75	0.75
Sample Location		E. Sidewall		S. Sidewall	Bottom	S. Sidewall	Bottom	S. Sidewall	W. Sidewall
Total Petroleum Hydrocarbons (mg/kg)									
Diesel		2000	--	*	*	*	*	*	*
Heavy Oil range		2000	--	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)									
Benzo(a)pyrene		--	--	0.059	NA	NA	0.01	NA	NA
Benzo(a)anthracene		--	--	0.05	NA	NA	*	NA	NA
Benzo(b)fluoranthene		--	--	0.082	NA	NA	0.016	NA	NA
Benzo(k)fluoranthene		--	--	0.029	NA	NA	0.013	NA	NA
Chrysene		--	--	0.063	NA	NA	*	NA	NA
Dibenzo(a,h)anthracene		--	--	0.014	NA	NA	*	NA	NA
Indeno(1,2,3-cd)pyrene		--	--	0.034	NA	NA	*	NA	NA
Total cPAHs (TTEC)		0.1	--	0.08	NA	NA	0.0129	NA	NA
Total Metals (mg/kg)									
Lead		250	--	NA	7.2	7.2	10	5.6	7.8

Notes:
MTC A = 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 MTC A Method A Soil cleanup levels.

TABLE 3
NEW LANDFILL 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 Method B cleanup level	C-26	C-27	C-28	C-29	C-29A	C-30	C-31	C-31A	C-32	C-33
Sample Depth (Feet)			7.0	5.0	5.0	5.0	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	--	*	*	*	1000	*	*	*	NA	*	*
Heavy Oil range	2000	--	*	*	*	3000	*	*	*	NA	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)												
Benzo(a)pyrene	--	--	0.069	0.054	*	17	*	0.024	0.26	0.041	*	*
Benzo(a)anthracene	--	--	0.059	0.048	*	14	*	0.018	0.23	0.033	*	*
Benzo(b)fluoranthene	--	--	0.11	0.081	*	24	*	0.036	0.39	0.062	*	*
Benzo(k)fluoranthene	--	--	0.036	0.027	*	7.7	*	0.013	0.14	0.021	*	*
Chrysene	--	--	0.075	0.063	*	16	*	0.021	0.27	0.042	*	*
Dibenzo(a,h)anthracene	--	--	0.017	0.013	*	3.6	*	*	0.055	*	*	*
Indeno(1,2,3-cd)pyrene	--	--	0.041	0.033	*	11	*	0.015	0.15	0.02	*	*
Total cPAHs (TTEC)	0.1	--	0.096	0.0748	*	23.19	*	0.0324	0.3592	0.055	*	*
Total Metals (mg/kg)												
Lead	250	--	8.5	7.9	9	17	NA	8.2	8.7	NA	8.7	6.7

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.

TABLE 3
NEW LANDFILL 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 Method B cleanup level	C-34	C-35	C-36	C-36A	C-36B	C-37	C-37A	C-37B	C-38	C-38A	Sample Depth (Feet)
													N Sidewall
Total Petroleum Hydrocarbons (mg/kg)													
Diesel	2000	--	*	*	130	NA	NA	240	NA	NA	*	NA	4.0
Heavy Oil range	2000	--	*	*	300	NA	NA	810	NA	NA	*	NA	4.0
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)													
Benzo(a)pyrene	--	--	*	0.01	1.3	0.97	0.041	36	0.97	*	1.2	0.041	
Benzo(a)anthracene	--	--	*	*	1.1	0.78	0.035	31	0.78	*	0.99	0.033	
Benzo(b)fluoranthene	--	--	*	0.016	1.7	1.4	0.058	49	1.4	*	1.7	0.062	
Benzo(k)fluoranthene	--	--	*	*	0.67	0.5	0.02	16	0.5	*	0.56	0.021	
Chrysene	--	--	*	*	1.3	0.89	0.041	35	0.89	*	1.2	0.042	
Dibenzo(a,h)anthracene	--	--	*	*	0.27	0.15	0.085	7.1	0.15	*	0.24	*	
Indeno(1,2,3-cd)pyrene	--	--	*	*	0.77	0.41	0.023	20	0.41	*	0.73	0.02	
Total cPAHs (TTEC)	0.1	--	*	0.0116	1.764	1.3029	0.0885	48.66	1.3029	*	1.634	0.05302	
Total Metals (mg/kg)													
Lead	250	--	7.9	10	9	NA	NA	54	NA	NA	11	NA	

Notes:
 MTCA = Model Toxics Control Act (Method A Soil Cleanup Levels Reported in mg/kg)
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 (-) = 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 3
NEW LANDFILL 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 Method B cleanup level	C-39	C-40	C-41	C-42	C-43	C-44	C-45	C-45A
Sample Depth (Feet)										
Sample Location										
Total Petroleum Hydrocarbons (mg/kg)										
Diesel	2000	--	NA	NA	NA	NA	NA	*	*	NA
Heavy Oil range	2000	--	NA	NA	NA	NA	NA	*	*	NA
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)										
Benzo(a)pyrene	--	--	NA	NA	NA	NA	NA	0.072	0.33	*
Benzo(a)anthracene	--	--	NA	NA	NA	NA	NA	0.052	0.25	*
Benzo(b)fluoranthene	--	--	NA	NA	NA	NA	NA	0.1	0.45	*
Benzo(k)fluoranthene	--	--	NA	NA	NA	NA	NA	0.035	0.15	*
Chrysene	--	--	NA	NA	NA	NA	NA	0.067	0.31	*
Dibenzo(a,h)anthracene	--	--	NA	NA	NA	NA	NA	0.017	0.07	*
Indeno(1,2,3-cd)pyrene	--	--	NA	NA	NA	NA	NA	0.048	0.21	*
Total cPAHs (TTEC)	0.1	--	NA	NA	NA	NA	NA	0.09787	0.4461	*
Volatile Organic Compounds (VOCs) (mg/kg)										
Methylene Chloride	0.02	--	*	*	*	*	*	NA	NA	NA
Total Metals (mg/kg)										
Lead	250	--	NA	NA	NA	NA	NA	8.5	8.8	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.

TABLE 4
 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 Method B cleanup level	C-46		C-47		C-48		C-49		C-50		C-51		C-52		C-53		C-54		C-55		
			0.75	0.75	0.75	W Sidewall	Bottom	0.75	0.75	2.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	2.0
Sample Depth (Feet)																							
Sample Location																							
Total Petroleum Hydrocarbons (mg/kg)																							
Diesel	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Heavy Oil range	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)																							
Benzo(a)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(a)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(b)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(k)fluoranthene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chrysene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dibenzo(a,h)anthracene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Indeno(1,2,3-cd)pyrene	--	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total cPAHs (TTEC)	0.1	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Metals (mg/kg)																							
Lead	250	--	15	18	15	18	15	15	19	14	14	14	11	11	11	12	12	12	9.5	9.5	9.5	9.9	9.9

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.

TABLE 4
 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 Method B cleanup level	C-56		C-57		C-58		C-59		C-60		C-61		C-62		C-63		C-64		C-65	
			W. Sidewall	E. Sidewall	S. Sidewall	E. Sidewall	S. Sidewall	E. Sidewall	W. Sidewall	N. Sidewall	E. Sidewall	S. Sidewall	Bottom	W. Sidewall	S. Sidewall	E. Sidewall	N. Sidewall	Bottom	Bottom			
Sample Depth (Feet)			0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	2.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	2.0	Bottom	
Sample Location			W. Sidewall	E. Sidewall	S. Sidewall	E. Sidewall	S. Sidewall	E. Sidewall	N. Sidewall	N. Sidewall	Bottom	W. Sidewall	S. Sidewall	E. Sidewall	N. Sidewall	E. Sidewall	N. Sidewall	E. Sidewall	N. Sidewall	Bottom	Bottom	
Total Petroleum Hydrocarbons (mg/kg)	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Diesel	2000	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Heavy Oil range		--																				
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Benzo(a)pyrene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Benzo(a)anthracene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Benzo(b)fluoranthene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Benzo(k)fluoranthene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Chrysene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Dibenzo(a,h)anthracene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Indeno(1,2,3-cd)pyrene		--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Total cPAHs (TEEC)	0.1	--	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Total Metals (mg/kg)	250	--																				
Lead		--	6.8	12	10	12	10	12	7.7	13	8.5	11	9.5	8.7	9.9							

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.

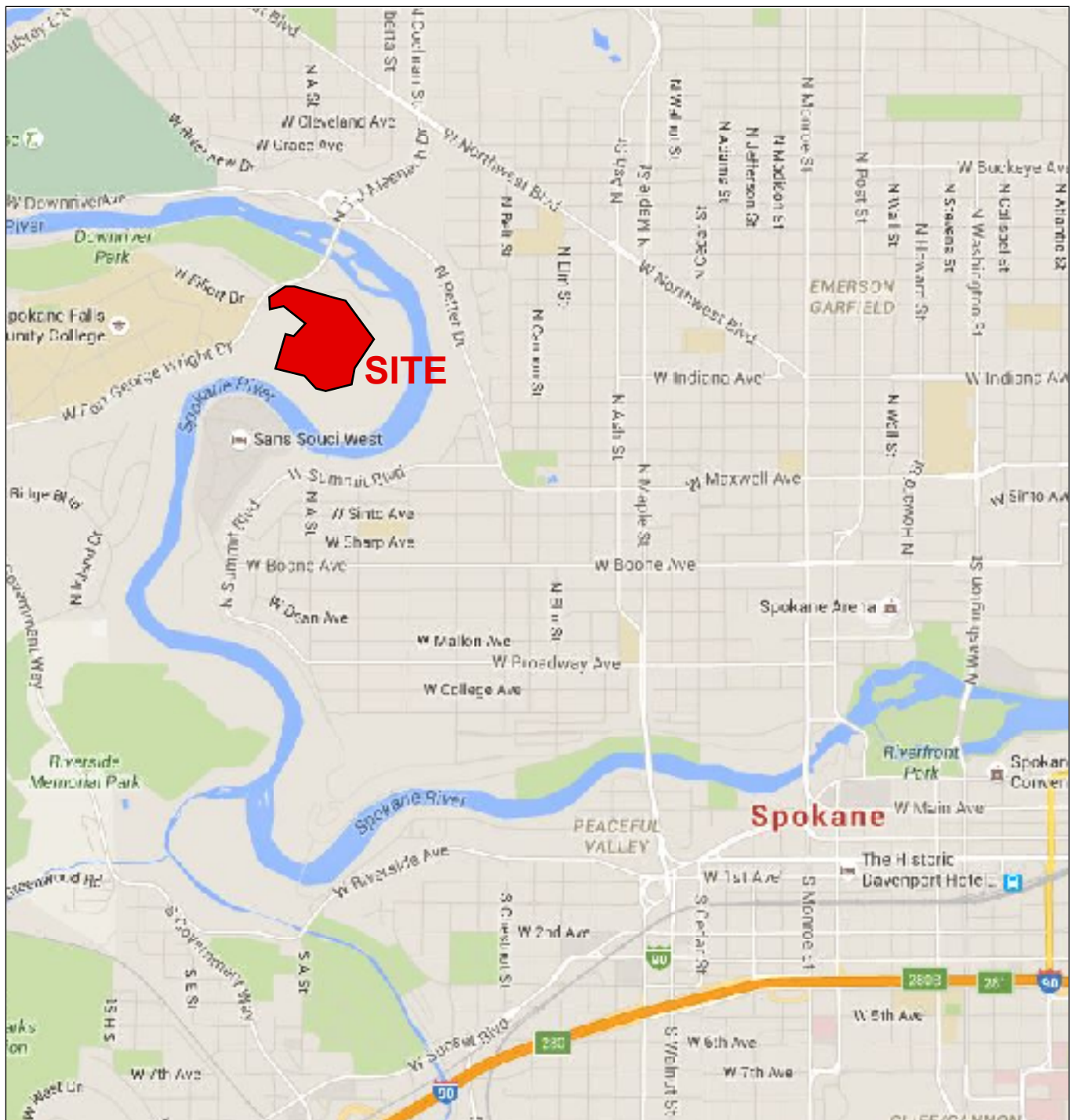
**TABLE 5
SEWER TRENCH EXCAVATION CONFIRMATION SOIL SAMPLE ANALYTICAL RESULTS
SISTERS OF THE HOLY NAMES PROPERTY
2911 WEST FORT GEORGE WRIGHT DRIVE
SPOKANE, WASHINGTON**

Analytes	MTCA Method A cleanup level	MTCA Method B cleanup level	C-66		C-66A		C-66B		C-67		C-67A		C-68		C-69		C-70		C-71		C-72		C-72A		
			Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
Sample Depth (Feet)			6.0	8.0	8.0	12.0	12.0	8.0	8.0	12.0	12.0	5.0	10.0	14.0	20.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Sample Location			Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	W Sidewall	E Sidewall	Bottom	Bottom	S Sidewall	Bottom	Bottom	Bottom	Bottom	S Sidewall	S Sidewall	S Sidewall	S Sidewall	S Sidewall
Total Petroleum Hydrocarbons (mg/kg)			*	NA	NA	NA	NA	NA	15	NA	NA	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Diesel	2000	--	*	NA	NA	NA	NA	NA	40	NA	NA	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Heavy Oil range	2000	--	*	NA	NA	NA	NA	NA	40	NA	NA	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Carcinogenic Polycyclic Aromatic Hydrocarbons (mg/kg)			0.14	0.26	0.26	*	*	*	0.79	0.075	0.075	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(a)pyrene	--	--	0.11	0.16	0.16	*	*	*	0.73	0.064	0.064	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(a)anthracene	--	--	0.2	0.37	0.37	*	*	*	1.2	0.012	0.012	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(b)fluoranthene	--	--	0.071	0.13	0.13	*	*	*	0.43	0.04	0.04	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzo(k)fluoranthene	--	--	0.15	0.2	0.2	*	*	*	0.88	0.086	0.086	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Chrysene	--	--	0.031	0.071	0.071	*	*	*	0.17	0.018	0.018	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Dibenzo(a,h)anthracene	--	--	0.088	0.17	0.17	*	*	*	0.49	0.046	0.046	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Indeno(1,2,3-cd)pyrene	--	--	0.1915	0.3521	0.3521	*	*	*	1.1008	0.0938	0.0938	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total cPAHs (TTEC)	0.1	--	0.1915	0.3521	0.3521	*	*	*	1.1008	0.0938	0.0938	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total Metals (mg/kg)			6.1	NA	NA	NA	NA	NA	11	NA	NA	6.1	7.1	7.1	5.8	11	7.1	7.1	7.1	5.8	11	11	11	11	11
Lead	250	--	6.1	NA	NA	NA	NA	NA	11	NA	NA	6.1	7.1	7.1	5.8	11	7.1	7.1	7.1	5.8	11	11	11	11	11

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



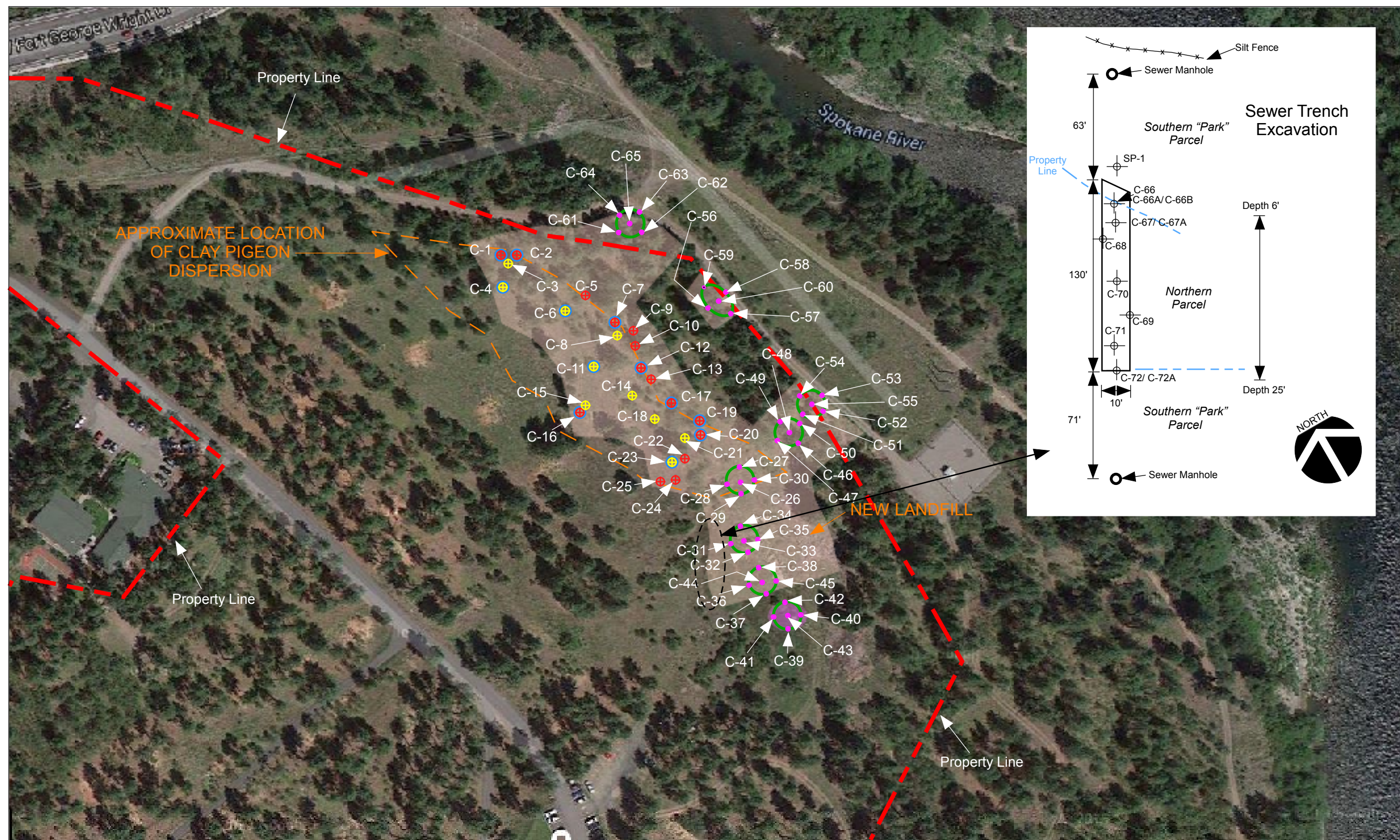
Reference:
Spokane, Washington
By Google Maps
Dated 2016

Earth Solutions NW LLC
Geotechnical Engineering, Construction Monitoring and Environmental Sciences

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

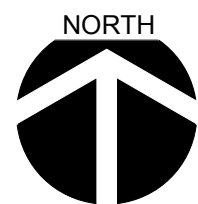
Drwn. MRS	Date 01/13/2017	Proj. No. 4332.01
Checked TWS	Date Jan. 2017	Plate 1

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.



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.



Not - To - Scale

LEGEND

- Floor Samples
- Sidewall Samples
- Samples with cPAH Analysis

- Ten Foot Removal Areas
- Approximate Extent of Methylene Chloride Impacted Soil
- Approximate Extent of Petroleum and Lead Impacted Soil

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

Earth Solutions NW LLC
Geotechnical Engineering, Construction Monitoring
and Environmental Sciences



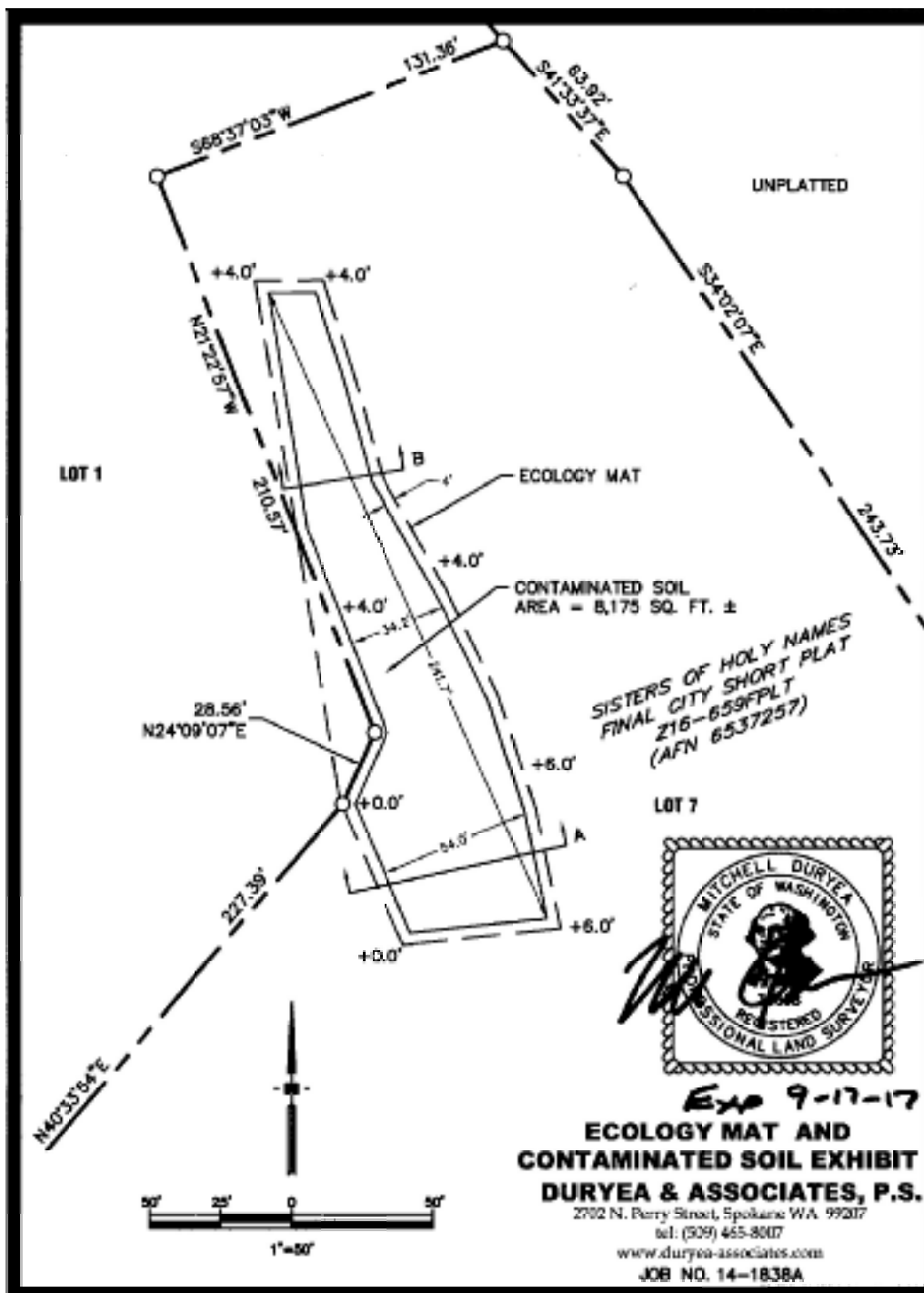
Drwn. By
MRS


Checked By
TWS

Date
01/13/2017

Proj. No.
4332.01

Plate
2





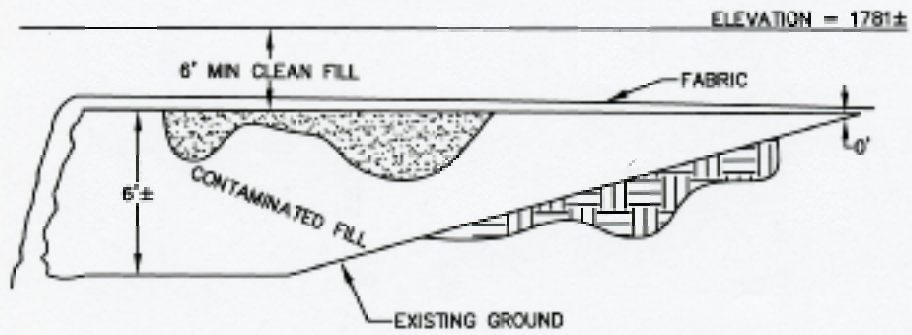
Earth Solutions NW LLC

Geotechnical Engineering, Construction Monitoring and Environmental Sciences



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

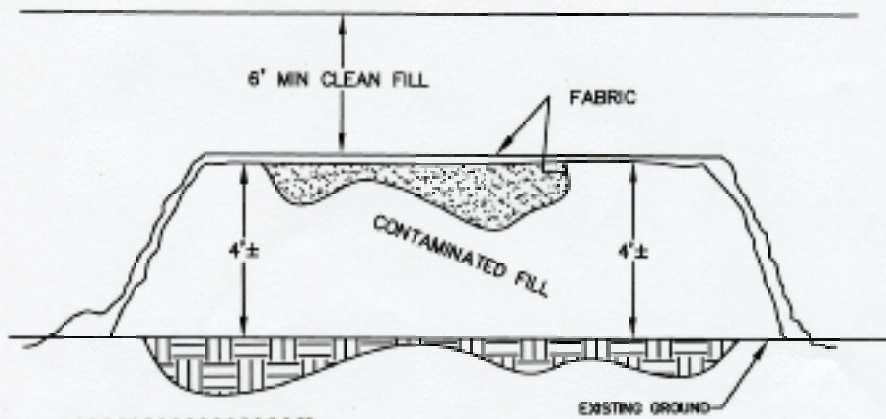
SECTION A-A



LEGEND:

-  NATIVE MATERIAL
-  CONTAMINATED FILL

SECTION B-B



Exp 9-17-17

**CONTAMINATED FILL
APPROXIMATE
CROSS-SECTIONS**

DURYEA & ASSOCIATES, P.S.

2702 N. Perry Street, Spokane WA 99207

tel: (509) 465-8007

www.duryea-associates.com

JOB NO. 14-1838A

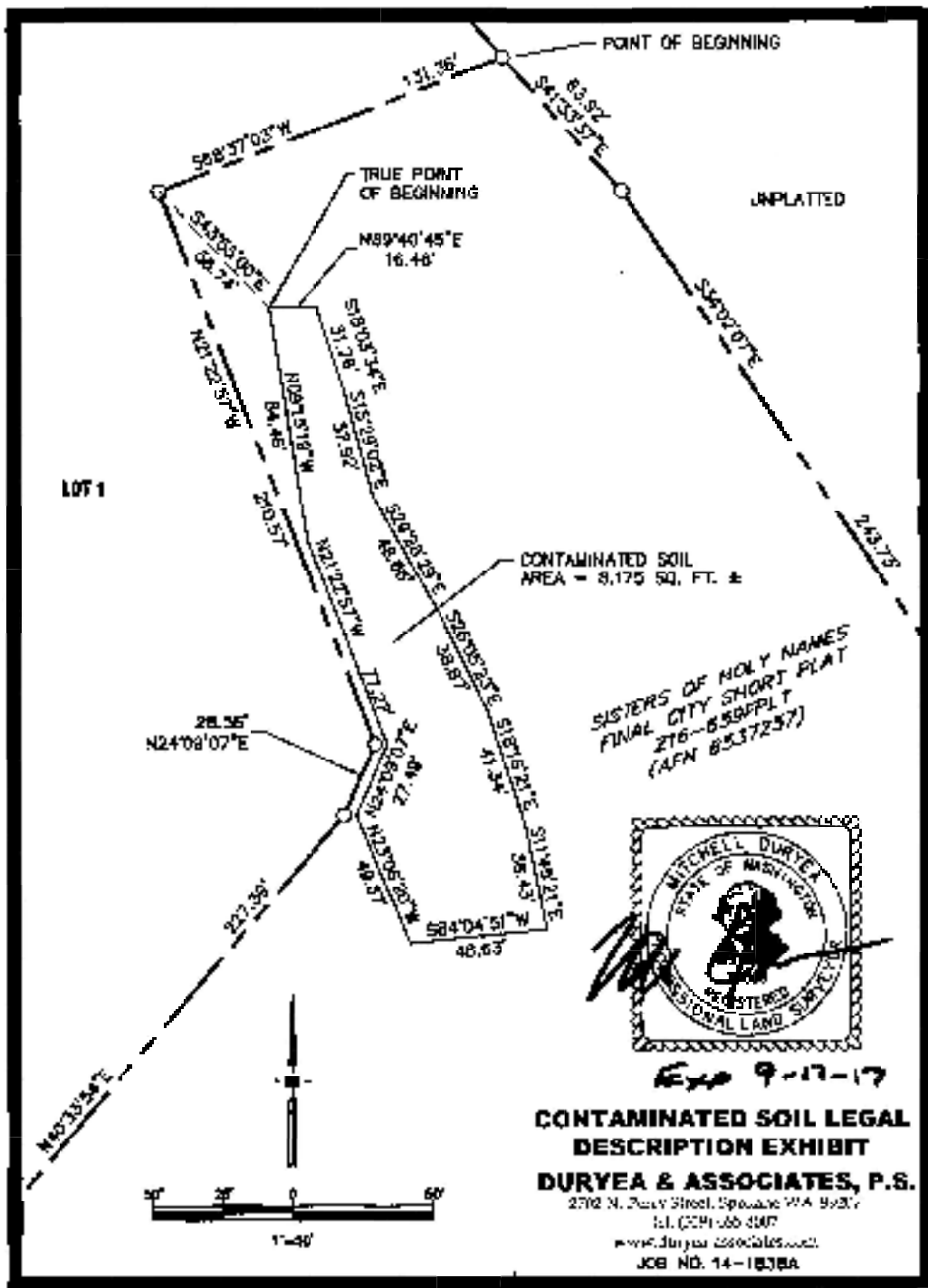


Earth Solutions NW LLC

Geotechnical Engineering, Construction Monitoring
and Environmental Sciences

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



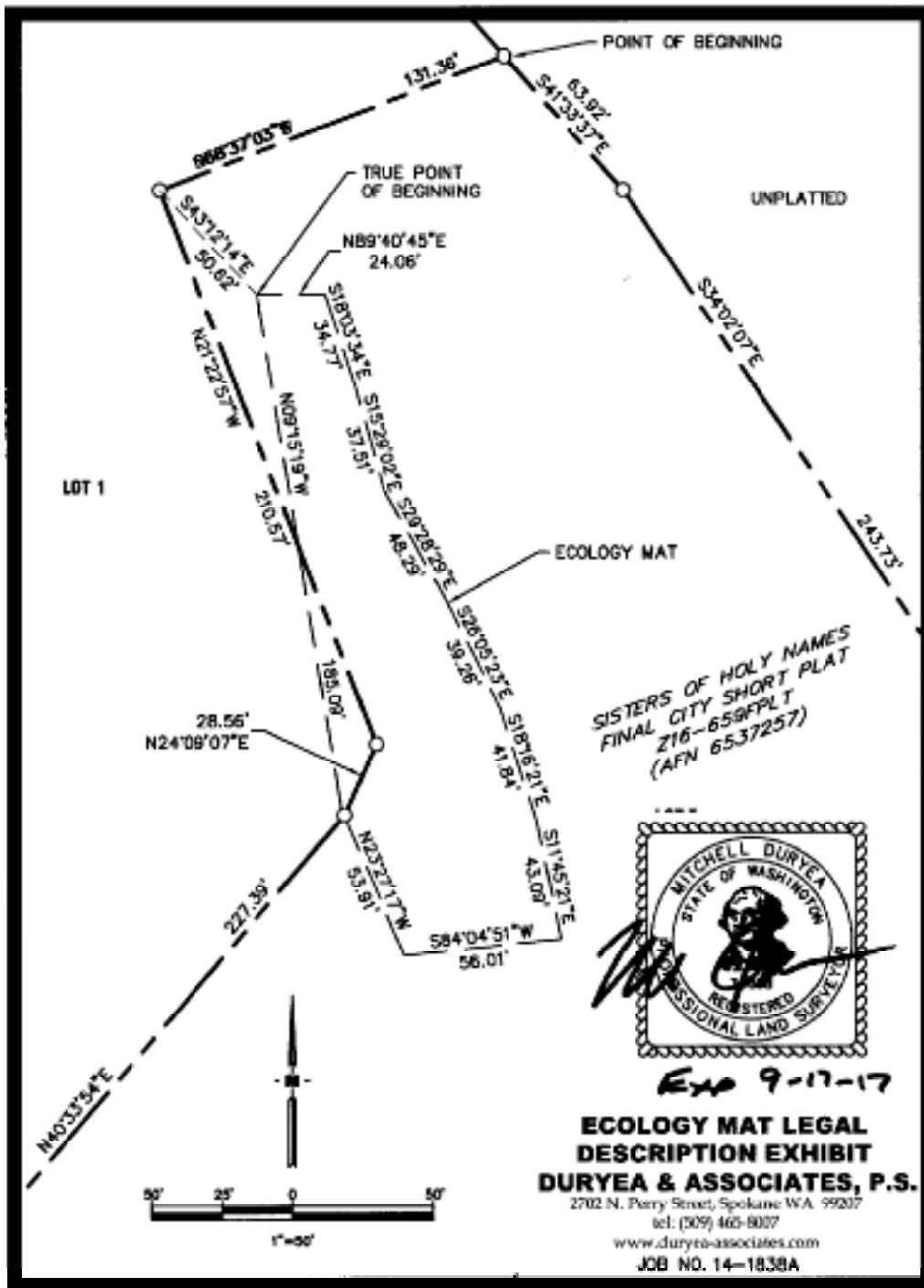


Earth Solutions NW LLC

Geotechnical Engineering, Construction Monitoring
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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





Earth Solutions NW LLC

Geotechnical Engineering, Construction Monitoring
and Environmental Sciences

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

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: lead, diesel and heavy oil impacted soil

Management Facility Precautions, Special Handling Procedures or Limitation 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 papers.

Facility Conditions

TCLP shows lead to be non-hazardous.
 Kristin Castner [3/09/2016]:
 Amended generator name and billing address.

(503) 493-7834

WM Authorization Name: Kristin Castner Title: Waste Approval Manager

WM Authorization Signature: Date: 03/07/2016

Agency Authorization (if Required): _____ Date: _____



INVOICE

Customer: TW Clark Construction, Inc
 Online WM ezPay ID: **00003-87297-35007**
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

GRAHAM ROAD LANDFILL
 S. 1820 GRAHAM ROAD
 MEDICAL LAKE, WA 99022

(509) 244-0151

Total Current Charges Total Amount Due

269,070.02	269,070.02
-------------------	-------------------

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

Please pay total amount due. Thank you for your business.



Service Period: OCTOBER 2016

Description		Amount
Landfill		269,070.02
Total Current Charges		269,070.02

The landfill is closed on all major holidays.

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 maximum amount permitted by applicable state law.

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

Payment Coupon

Please detach and send with checks only (no cash).
 Please send all other correspondence to your local site.

Your Account Number		
518-000842-1518-1		
Invoice Date	Your Invoice Number	
11/01/2016	0064230-1518-6	
Due Date	Total Due	Amount Paid
Upon Receipt	269,070.02	

15185180001546000646830002690700200026907002 1

0002035 SP 7306 -C02-P00000-I I1391L25



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

WASTE MANAGEMENT
 PO BOX 541065
 LOS ANGELES CA 90054-1065

*From everyday collection to environmental protection,
 Think Green. Think Waste Management.*

FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

0002035-0000001-0003412

000158270963007

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
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 & Profile # 111223wa	30.02	TON	.32	9.61
		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 & Profile # 111223wa	15.83	TON	.32	5.07
		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 & Profile # 111223wa	26.49	TON	.32	8.48
		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 & Profile # 111223wa	24.85	TON	.32	7.95
		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 & Profile # 111223wa	30.77	TON	.32	9.85

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.



GRAHAM ROAD LANDFILL
S. 1820 GRAHAM ROAD
MEDICAL LAKE, WA 99022

Customer: TW Clark Construction, Inc.
Online WM ezPay ID: 00003-87297-35007
Invoice Date: 11/01/2016
Invoice Number: 0064230-1518-6
Account Number: 518-0000842-1518-1
Due Date: Due Upon Receipt

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
		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 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	18.46 18.46 18.46	TON TON TON	28.00 4.48 .32	516.88 82.70 5.91 605.49
10/24/16	520984	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	35.32 35.32 35.32	TON TON TON	28.00 4.48 .32	988.96 158.23 11.30 1,158.49
10/24/16	520989	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	32.56 32.56 32.56	TON TON TON	28.00 4.48 .32	911.68 145.87 10.42 1,067.97
10/24/16	520992	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	27.51 27.51 27.51	TON TON TON	28.00 4.48 .32	770.28 123.24 8.80 902.32
10/24/16	521005	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	22.73 22.73 22.73	TON TON TON	28.00 4.48 .32	636.44 101.83 7.27 745.54
10/24/16	521013	Vehicle#: marty				

0002035-0000002-0003413

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FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

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
		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 & Profile # 111223wa	16.57	TON	.32	5.30
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				543.49
10/24/16	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 & Profile # 111223wa	31.41	TON	.32	10.05
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,030.25
10/24/16	521030	Vehicle#: brett				
		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 & Profile # 111223wa	27.85	TON	.32	8.91
		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 & Profile # 111223wa	20.56	TON	.32	6.58
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				674.37
10/24/16	521044	Vehicle#: brett				
		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 & Profile # 111223wa	21.59	TON	.32	6.91
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				708.15
10/24/16	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 & Profile # 111223wa	15.11	TON	.32	4.84
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				495.61



GRAHAM ROAD LANDFILL
S. 1820 GRAHAM ROAD
MEDICAL LAKE, WA 99022

Customer:
Online WM ezPay ID:
Invoice Date:
Invoice Number:
Account Number:
Due Date:

Page 5 of 54
TW Clark Construction, Inc
00003-87297-35007
11/01/2016
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	Ticket	Description	Quantity	U/M	Rate	Amount
10/24/16	521062	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	36.45 36.45 36.45	TON TON TON	28.00 4.48 .32	1,020.60 163.30 11.66 1,195.56
10/24/16	521063	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	31.53 31.53 31.53	TON TON TON	28.00 4.48 .32	882.84 141.25 10.09 1,034.18
10/24/16	521064	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	22.58 22.58 22.58	TON TON TON	28.00 4.48 .32	632.24 101.16 7.23 740.63
10/24/16	521067	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	24.30 24.30 24.30	TON TON TON	28.00 4.48 .32	680.40 108.86 7.78 797.04
10/24/16	521069	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#: 111223wa Ticket Total	17.39 17.39 17.39	TON TON TON	28.00 4.48 .32	486.92 77.91 5.56 570.39
10/24/16	521086	Vehicle#: josh Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	31.96 31.96 31.96	TON TON TON	28.00 4.48 .32	894.88 143.18 10.23

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FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				1,048.29
10/24/16	521089	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	36.89 36.89 36.89	TON TON TON	28.00 4.48 .32	1,032.92 165.27 11.80 1,209.99
10/24/16	521090	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	22.65 22.65 22.65	TON TON TON	28.00 4.48 .32	634.20 101.47 7.25 742.92
10/24/16	521099	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#: 111223wa Ticket Total	16.55 16.55 16.55	TON TON TON	28.00 4.48 .32	463.40 74.14 5.30 542.84
10/24/16	521100	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#: 0 Ticket Total	23.33 23.33 23.33	TON TON TON	28.00 4.48 .32	653.24 104.52 7.47 765.23
10/24/16	521106	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 Ticket Total	30.18 30.18 30.18	TON TON TON	28.00 4.48 .32	845.04 135.21 9.66 989.91
10/25/16	521127	Vehicle#: dave Special waste solid other Fuel environmental admin charges	28.49 28.49	TON TON	28.00 4.48	797.72 127.64



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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
		Spokane regional health district - special waste & Profile # 111223wa	28.49	TON	.32	9.12
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				934.48
10/25/16	521128	Vehicle#: josh				
		Special waste solid other	31.45	TON	28.00	880.60
		Fuel environmental admin charges	31.45	TON	4.48	140.90
		Spokane regional health district - special waste & Profile # 111223wa	31.45	TON	.32	10.06
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,031.56
10/25/16	521129	Vehicle#: john				
		Special waste solid other	22.53	TON	28.00	630.84
		Fuel environmental admin charges	22.53	TON	4.48	100.93
		Spokane regional health district - special waste & Profile # 111223wa	22.53	TON	.32	7.21
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				738.98
10/25/16	521130	Vehicle#: brett				
		Special waste solid other	24.71	TON	28.00	691.88
		Fuel environmental admin charges	24.71	TON	4.48	110.70
		Spokane regional health district - special waste & Profile # 111223wa	24.71	TON	.32	7.91
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		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 & Profile # 111223wa	27.84	TON	.32	8.91
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				913.15
10/25/16	521141	Vehicle#: dave				
		Special waste solid other	32.64	TON	28.00	913.92
		Fuel environmental admin charges	32.64	TON	4.48	146.23
		Spokane regional health district - special waste & Profile # 111223wa	32.64	TON	.32	10.44
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,070.59

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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
10/25/16	521145	Vehicle#: jared				
		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 & Profile # 111223wa	36.40	TON	.32	11.65
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,193.92
10/25/16	521146	Vehicle#: brandon				
		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 & Profile # 111223wa	39.12	TON	.32	12.52
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,283.14
10/25/16	521147	Vehicle#: wade				
		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 & Profile # 111223wa	24.74	TON	.32	7.92
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				811.48
10/25/16	521149	Vehicle#: marty				
		Special waste solid other	14.50	TON	28.00	406.00
		Fuel environmental admin charges	14.50	TON	4.48	64.96
		Spokane regional health district - special waste & Profile # 111223wa	14.50	TON	.32	4.64
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				475.60
10/25/16	521150	Vehicle#: joe				
		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 & Profile # 111223wa	28.79	TON	.32	9.21
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				944.31
10/25/16	521153	Vehicle#: dan				
		Special waste solid other	29.86	TON	28.00	836.08
		Fuel environmental admin charges	29.86	TON	4.48	133.77
		Spokane regional health district - special waste & Profile # 111223wa	29.86	TON	.32	9.56
		Generator sisters of holy names 2911 ft george wright d				



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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
		Manifest#: 111223wa				
		Ticket Total				979.41
10/25/16	521154	Vehicle#: josh				
		Special waste solid other	28.67	TON	28.00	802.76
		Fuel environmental admin charges	28.67	TON	4.48	128.44
		Spokane regional health district - special waste & Profile # 111223wa	28.67	TON	.32	9.17
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				940.37
10/25/16	521155	Vehicle#: dave				
		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 & Profile # 111223wa	22.62	TON	.32	7.24
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				741.94
10/25/16	521156	Vehicle#: bob				
		Special waste solid other	25.74	TON	28.00	720.72
		Fuel environmental admin charges	25.74	TON	4.48	115.32
		Spokane regional health district - special waste & Profile # 111223wa	25.74	TON	.32	8.24
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				844.28
10/25/16	521157	Vehicle#: brett				
		Special waste solid other	20.31	TON	28.00	568.68
		Fuel environmental admin charges	20.31	TON	4.48	90.99
		Spokane regional health district - special waste & Profile # 111223wa	20.31	TON	.32	6.50
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				666.17
10/25/16	521173	Vehicle#: dave				
		Special waste solid other	27.86	TON	28.00	780.08
		Fuel environmental admin charges	27.86	TON	4.48	124.81
		Spokane regional health district - special waste & Profile # 111223wa	27.86	TON	.32	8.92
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				913.81
10/25/16	521178	Vehicle#: marty				
		Special waste solid other	17.22	TON	28.00	482.16
		Fuel environmental admin charges	17.22	TON	4.48	77.15

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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
		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 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
10/25/16	521181	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	21.42 21.42 21.42	TON TON TON	28.00 4.48 .32	599.76 95.96 6.85
		Ticket Total				702.57
10/25/16	521185	Vehicle#: wade 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	25.17 25.17 25.17	TON TON TON	28.00 4.48 .32	704.76 112.76 8.05
		Ticket Total				825.57
10/25/16	521187	Vehicle#: joe 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	26.99 26.99 26.99	TON TON TON	28.00 4.48 .32	755.72 120.92 8.64
		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 wright d Manifest#: 111223wa	34.52 34.52 34.52	TON TON TON	28.00 4.48 .32	966.56 154.65 11.05
		Ticket Total				1,132.26
10/25/16	521189	Vehicle#: dan				



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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
		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 & Profile # 111223wa	28.23	TON	.32	9.03
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				925.94
10/25/16	521190	Vehicle#: josh				
		Special waste solid other	29.24	TON	28.00	818.72
		Fuel environmental admin charges	29.24	TON	4.48	131.00
		Spokane regional health district - special waste & Profile # 111223wa	29.24	TON	.32	9.36
		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 & Profile # 111223wa	25.57	TON	.32	8.18
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				838.69
10/25/16	521193	Vehicle#: dave				
		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 & Profile # 111223wa	22.16	TON	.32	7.09
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				726.85
10/25/16	521199	Vehicle#: brett				
		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 & Profile # 111223wa	21.02	TON	.32	6.73
		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 & Profile # 111223wa	22.62	TON	.32	7.24
		Generator sisters of holy names 2911 ft george wright d				

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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
		Manifest#: 111223wa				
		Ticket Total				741.94
10/25/16	521209	Vehicle#: marty				
		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 & Profile # 111223wa	17.81	TON	.32	5.70
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				584.17
10/25/16	521212	Vehicle#: dave				
		Special waste solid other	34.86	TON	28.00	976.08
		Fuel environmental admin charges	34.86	TON	4.48	156.17
		Spokane regional health district - special waste & Profile # 111223wa	34.86	TON	.32	11.16
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,143.41
10/25/16	521219	Vehicle#: jared				
		Special waste solid other	35.25	TON	28.00	987.00
		Fuel environmental admin charges	35.25	TON	4.48	157.92
		Spokane regional health district - special waste & Profile # 111223wa	35.25	TON	.32	11.28
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,156.20
10/25/16	521223	Vehicle#: brandon				
		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 & Profile # 111223wa	32.75	TON	.32	10.48
		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	712.04
		Fuel environmental admin charges	25.43	TON	4.48	113.93
		Spokane regional health district - special waste & Profile # 111223wa	25.43	TON	.32	8.14
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				834.11
10/25/16	521227	Vehicle#: joe				
		Special waste solid other	33.69	TON	28.00	943.32
		Fuel environmental admin charges	33.69	TON	4.48	150.93
		Spokane regional health district - special waste & Profile # 111223wa	33.69	TON	.32	10.78



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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
		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 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	26.07 26.07 26.07	TON TON TON	28.00 4.48 .32	729.96 116.79 8.34 855.09
10/25/16	521234	Vehicle#: dan 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	34.06 34.06 34.06	TON TON TON	28.00 4.48 .32	953.68 152.59 10.90 1,117.17
10/25/16	521235	Vehicle#: dan 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	24.44 24.44 24.44	TON TON TON	28.00 4.48 .32	684.32 109.49 7.82 801.63
10/25/16	521236	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#: 111223wa Ticket Total	29.67 29.67 29.67	TON TON TON	28.00 4.48 .32	830.76 132.92 9.49 973.17
10/25/16	521238	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	23.14 23.14 23.14	TON TON TON	28.00 4.48 .32	647.92 103.67 7.40 758.99
10/25/16	521240	Vehicle#: josh				

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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 & Profile # 111223wa	29.88	TON	.32	9.56
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				980.06
10/25/16	521241	Vehicle#: john				
		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 & Profile # 111223wa	32.35	TON	.32	10.35
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,061.08
10/25/16	521242	Vehicle#: marty				
		Special waste solid other	16.08	TON	28.00	450.24
		Fuel environmental admin charges	16.08	TON	4.48	72.04
		Spokane regional health district - special waste & Profile # 111223wa	16.08	TON	.32	5.15
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				527.43
10/25/16	521244	Vehicle#: brett				
		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 & Profile # 111223wa	22.58	TON	.32	7.23
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				740.63
10/25/16	521245	Vehicle#: dave				
		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 & Profile # 111223wa	30.84	TON	.32	9.87
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,011.55
10/25/16	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 & Profile # 111223wa	35.81	TON	.32	11.46
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,174.57



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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
10/25/16	521251	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	37.09 37.09 37.09	TON TON TON	28.00 4.48 .32	1,038.52 166.16 11.87
		Ticket Total				1,216.55
10/25/16	521252	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 wright d Manifest#: 111223wa	23.65 23.65 23.65	TON TON TON	28.00 4.48 .32	662.20 105.95 7.57
		Ticket Total				775.72
10/25/16	521255	Vehicle#: joe 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	30.82 30.82 30.82	TON TON TON	28.00 4.48 .32	862.96 138.07 9.86
		Ticket Total				1,010.89
10/25/16	521256	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	17.49 17.49 17.49	TON TON TON	28.00 4.48 .32	489.72 78.36 5.60
		Ticket Total				573.68
10/25/16	521258	Vehicle#: wade 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	24.36 24.36 24.36	TON TON TON	28.00 4.48 .32	682.08 109.13 7.80
		Ticket Total				799.01
10/25/16	521267	Vehicle#: dan Special waste solid other Fuel environmental admin charges Spokane regional health district - special waste & Profile # 111223wa	33.37 33.37 33.37	TON TON TON	28.00 4.48 .32	934.36 149.50 10.68

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FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total				1,094.54
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 wright d Manifest#: 0 Ticket Total	26.28 26.28 26.28	TON TON TON	28.00 4.48 .32	735.84 117.73 8.41 861.98
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 Ticket Total	32.48 32.48 32.48	TON TON TON	28.00 4.48 .32	909.44 145.51 10.39 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 Manifest#: 0 Ticket Total	24.20 24.20 24.20	TON TON TON	28.00 4.48 .32	677.60 108.42 7.74 793.76
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 Manifest#: 0 Ticket Total	32.83 32.83 32.83	TON TON TON	28.00 4.48 .32	919.24 147.08 10.51 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 Ticket Total	17.10 17.10 17.10	TON TON TON	28.00 4.48 .32	478.80 76.61 5.47 560.88
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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Customer: TW Clark Construction, Inc
 Online WM ezPay ID: 00003-87297-35007
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total	28.78	TON	.32	9.21 943.98
10/25/16	521276	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#: 0 Ticket Total	21.90 21.90 21.90	TON TON TON	28.00 4.48 .32	613.20 98.11 7.01 718.32
10/25/16	521277	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	33.25 33.25 33.25	TON TON TON	28.00 4.48 .32	931.00 148.96 10.64 1,090.60
10/25/16	521282	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#: 0 Ticket Total	34.51 34.51 34.51	TON TON TON	28.00 4.48 .32	966.28 154.60 11.04 1,131.92
10/25/16	521284	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 Ticket Total	36.40 36.40 36.40	TON TON TON	28.00 4.48 .32	1,019.20 163.07 11.65 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 wright d Manifest#: 011223wa Ticket Total	25.47 25.47 25.47	TON TON TON	28.00 4.48 .32	713.16 114.11 8.15 835.42

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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
10/25/16	521289	Vehicle#: joe				
		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 & Profile # 111223wa	33.39	TON	.32	10.68
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,095.19
10/25/16	521291	Vehicle#: john				
		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 & Profile # 111223wa	21.38	TON	.32	6.84
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				701.26
10/25/16	521292	Vehicle#: wade				
		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 & Profile # 111223wa	28.46	TON	.32	9.11
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				933.49
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 & Profile # 111223wa	31.46	TON	.32	10.07
		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 & Profile # 111223wa	26.39	TON	.32	8.44
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				865.59
10/25/16	521298	Vehicle#: kelly				
		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 & Profile # 111223wa	30.62	TON	.32	9.80
		Generator sisters of holy names 2911 ft george wright d				



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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
		Manifest#: 111223wa				
		Ticket Total				1,004.34
10/25/16	521300	Vehicle#: dave				
		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	7.24
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				742.59
10/25/16	521302	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 & Profile # 111223wa	18.46	TON	.32	5.91
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				605.49
10/25/16	521304	Vehicle#: john				
		Special waste solid other	36.49	TON	28.00	1,021.72
		Fuel environmental admin charges	36.49	TON	4.48	163.48
		Spokane regional health district - special waste & Profile # 111223wa	36.49	TON	.32	11.68
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,196.88
10/25/16	521306	Vehicle#: brett				
		Special waste solid other	22.69	TON	28.00	635.32
		Fuel environmental admin charges	22.69	TON	4.48	101.65
		Spokane regional health district - special waste & Profile # 111223wa	22.69	TON	.32	7.26
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				744.23
10/25/16	521307	Vehicle#: josh				
		Special waste solid other	29.32	TON	28.00	820.96
		Fuel environmental admin charges	29.32	TON	4.48	131.35
		Spokane regional health district - special waste & Profile # 111223wa	29.32	TON	.32	9.38
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				961.69
10/25/16	521308	Vehicle#: dave				
		Special waste solid other	30.90	TON	28.00	865.20
		Fuel environmental admin charges	30.90	TON	4.48	138.43

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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
		Spokane regional health district - special waste & Profile # 111223wa	30.90	TON	.32	9.89
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,013.52
10/25/16	521309	Vehicle#: brandon				
		Special waste solid other	33.11	TON	28.00	927.08
		Fuel environmental admin charges	33.11	TON	4.48	148.33
		Spokane regional health district - special waste & Profile # 111223wa	33.11	TON	.32	10.60
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,086.01
10/25/16	521315	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	33.08	TON	.32	10.59
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,085.03
10/26/16	521332	Vehicle#: josh				
		Special waste solid other	32.42	TON	28.00	907.76
		Fuel environmental admin charges	32.42	TON	4.48	145.24
		Spokane regional health district - special waste & Profile # 111223wa	32.42	TON	.32	10.37
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,063.37
10/26/16	521333	Vehicle#: bob				
		Special waste solid other	22.94	TON	28.00	642.32
		Fuel environmental admin charges	22.94	TON	4.48	102.77
		Spokane regional health district - special waste & Profile # 111223wa	22.94	TON	.32	7.34
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				752.43
10/26/16	521336	Vehicle#: brett				
		Special waste solid other	22.96	TON	28.00	642.88
		Fuel environmental admin charges	22.96	TON	4.48	102.86
		Spokane regional health district - special waste & Profile # 111223wa	22.96	TON	.32	7.35
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				753.09
10/26/16	521338	Vehicle#: dave				



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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
		Special waste solid other	20.73	TON	28.00	580.44
		Fuel environmental admin charges	20.73	TON	4.48	92.87
		Spokane regional health district - special waste & Profile # 111223wa	20.73	TON	.32	6.63
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				679.94
10/26/16	521340	Vehicle#: john				
		Special waste solid other	32.24	TON	28.00	902.72
		Fuel environmental admin charges	32.24	TON	4.48	144.44
		Spokane regional health district - special waste & Profile # 111223wa	32.24	TON	.32	10.32
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,057.48
10/26/16	521341	Vehicle#: brandon				
		Special waste solid other	36.00	TON	28.00	1,008.00
		Fuel environmental admin charges	36.00	TON	4.48	161.28
		Spokane regional health district - special waste & Profile # 111223wa	36.00	TON	.32	11.52
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,180.80
10/26/16	521342	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 & Profile # 111223wa	32.02	TON	.32	10.25
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,050.26
10/26/16	521343	Vehicle#: jared				
		Special waste solid other	33.52	TON	28.00	938.56
		Fuel environmental admin charges	33.52	TON	4.48	150.17
		Spokane regional health district - special waste & Profile # 111223wa	33.52	TON	.32	10.73
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,099.46
10/26/16	521346	Vehicle#: joel				
		Special waste solid other	30.94	TON	28.00	866.32
		Fuel environmental admin charges	30.94	TON	4.48	138.61
		Spokane regional health district - special waste & Profile # 111223wa	30.94	TON	.32	9.90
		Generator sisters of holy names 2911 ft george wright d				

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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
		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 & Profile # 111223wa	30.24	TON	.32	9.68
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				991.88
10/26/16	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 & Profile # 111223wa	31.17	TON	.32	9.97
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,022.37
10/26/16	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 & Profile # 111223wa	28.64	TON	.32	9.16
		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 & Profile # 111223wa	15.02	TON	.32	4.81
		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 & Profile # 111223wa	30.53	TON	.32	9.77
		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 & Profile # 111223wa	22.58	TON	.32	7.23



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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
		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 1,032.22
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 6.24 639.60
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 7.41 759.97
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 1,078.14
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 9.29 952.51
10/26/16	521372	Vehicle#: tom				

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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
		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 & Profile # 111223wa	1.80	TON	.32	.58
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				59.04
10/26/16	521374	Vehicle#: jared				
		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 & Profile # 111223wa	35.11	TON	.32	11.24
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,151.61
10/26/16	521378	Vehicle#: joel				
		Special waste solid other	32.48	TON	28.00	909.44
		Fuel environmental admin charges	32.48	TON	4.48	145.51
		Spokane regional health district - special waste & Profile # 111223wa	32.48	TON	.32	10.39
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,065.34
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
		Spokane regional health district - special waste & Profile # 111223wa	33.65	TON	.32	10.77
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,103.72
10/26/16	521381	Vehicle#: kelly				
		Special waste solid other	32.44	TON	28.00	908.32
		Fuel environmental admin charges	32.44	TON	4.48	145.33
		Spokane regional health district - special waste & Profile # 111223wa	32.44	TON	.32	10.38
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,064.03
10/26/16	521383	Vehicle#: dave				
		Special waste solid other	27.40	TON	28.00	767.20
		Fuel environmental admin charges	27.40	TON	4.48	122.75
		Spokane regional health district - special waste & Profile # 111223wa	27.40	TON	.32	8.77
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				898.72



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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
10/26/16	521385	Vehicle#: dave				
		Special waste solid other	28.19	TON	28.00	789.32
		Fuel environmental admin charges	28.19	TON	4.48	126.29
		Spokane regional health district - special waste & Profile # 111223wa	28.19	TON	.32	9.02
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				924.63
10/26/16	521396	Vehicle#: josh				
		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 & Profile # 111223wa	31.91	TON	.32	10.21
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		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 & Profile # 111223wa	27.28	TON	.32	8.73
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		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 & Profile # 111223wa	18.47	TON	.32	5.91
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				605.82
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 & Profile # 111223wa	21.33	TON	.32	6.83
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				699.63
10/26/16	521403	Vehicle#: dave				
		Special waste solid other	23.78	TON	28.00	665.84
		Fuel environmental admin charges	23.78	TON	4.48	106.53
		Spokane regional health district - special waste & Profile # 111223wa	23.78	TON	.32	7.61

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FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				779.98
10/26/16	521404	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	34.91 34.91 34.91	TON TON TON	28.00 4.48 .32	977.48 156.40 11.17 1,145.05
10/26/16	521405	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	26.95 26.95 26.95	TON TON TON	28.00 4.48 .32	754.60 120.74 8.62 883.96
10/26/16	521408	Vehicle#: tom 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	28.79 28.79 28.79	TON TON TON	28.00 4.48 .32	806.12 128.98 9.21 944.31
10/26/16	521412	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 Ticket Total	31.87 31.87 31.87	TON TON TON	28.00 4.48 .32	892.36 142.78 10.20 1,045.34
10/26/16	521416	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 Ticket Total	29.12 29.12 29.12	TON TON TON	28.00 4.48 .32	815.36 130.46 9.32 955.14
10/26/16	521417	Vehicle#: john Special waste solid other Fuel environmental admin charges	27.99 27.99	TON TON	28.00 4.48	783.72 125.40



GRAHAM ROAD LANDFILL
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MEDICAL LAKE, WA 99022

Customer:
Online WM ezPay ID:
Invoice Date:
Invoice Number:
Account Number:
Due Date:

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TW Clark Construction, Inc
00003-87297-35007
11/01/2016
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	Ticket	Description	Quantity	U/M	Rate	Amount
		Spokane regional health district - special waste & Profile # 111223wa	27.99	TON	.32	8.96
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				918.08
10/26/16	521422	Vehicle#: kelly				
		Special waste solid other	23.82	TON	28.00	666.96
		Fuel environmental admin charges	23.82	TON	4.48	106.71
		Spokane regional health district - special waste & Profile # 111223wa	23.82	TON	.32	7.62
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				781.29
10/26/16	521423	Vehicle#: dave				
		Special waste solid other	28.86	TON	28.00	808.08
		Fuel environmental admin charges	28.86	TON	4.48	129.29
		Spokane regional health district - special waste & Profile # 111223wa	28.86	TON	.32	9.24
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				946.61
10/26/16	521426	Vehicle#: dave				
		Special waste solid other	24.75	TON	28.00	693.00
		Fuel environmental admin charges	24.75	TON	4.48	110.88
		Spokane regional health district - special waste & Profile # 111223wa	24.75	TON	.32	7.92
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				811.80
10/26/16	521440	Vehicle#: bob				
		Special waste solid other	24.50	TON	28.00	686.00
		Fuel environmental admin charges	24.50	TON	4.48	109.76
		Spokane regional health district - special waste & Profile # 111223wa	24.50	TON	.32	7.84
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				803.60
10/26/16	521444	Vehicle#: josh				
		Special waste solid other	27.43	TON	28.00	768.04
		Fuel environmental admin charges	27.43	TON	4.48	122.89
		Spokane regional health district - special waste & Profile # 111223wa	27.43	TON	.32	8.78
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				899.71

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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
10/26/16	521448	Vehicle#: brett				
		Special waste solid other	20.67	TON	28.00	578.76
		Fuel environmental admin charges	20.67	TON	4.48	92.60
		Spokane regional health district - special waste & Profile # 111223wa	20.67	TON	.32	6.61
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				677.97
10/26/16	521450	Vehicle#: dave				
		Special waste solid other	25.73	TON	28.00	720.44
		Fuel environmental admin charges	25.73	TON	4.48	115.27
		Spokane regional health district - special waste & Profile # 111223wa	25.73	TON	.32	8.23
		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 & Profile # 111223wa	36.15	TON	.32	11.57
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,185.72
10/26/16	521455	Vehicle#: john				
		Special waste solid other	32.08	TON	28.00	898.24
		Fuel environmental admin charges	32.08	TON	4.48	143.72
		Spokane regional health district - special waste & Profile # 111223wa	32.08	TON	.32	10.27
		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 & Profile # 111223wa	30.78	TON	.32	9.85
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,009.58
10/26/16	521462	Vehicle#: john				
		Special waste solid other	16.99	TON	28.00	475.72
		Fuel environmental admin charges	16.99	TON	4.48	76.12
		Spokane regional health district - special waste & Profile # 111223wa	16.99	TON	.32	5.44
		Generator sisters of holy names 2911 ft george wright d				



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Customer: TW Clark Construction, Inc
 Online WM ezPay ID: 00003-87297-35007
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
		Manifest#: 111223wa				
		Ticket Total				557.28
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 & Profile # 111223wa	32.70	TON	.32	10.46
		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 & Profile # 111223wa	27.14	TON	.32	8.68
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		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 & Profile # 111223wa	31.16	TON	.32	9.97
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,022.05
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 & Profile # 111223wa	28.50	TON	.32	9.12
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 0				
		Ticket Total				934.80
10/26/16	521484	Vehicle#: dave				
		Special waste solid other	27.06	TON	28.00	757.68
		Fuel environmental admin charges	27.06	TON	4.48	121.23

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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
		Spokane regional health district - special waste & Profile # 111223wa	27.06	TON	.32	8.66
		Generator sisters of holy names 2911 ft george wright d 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	25.42	TON	.32	8.13
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		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	24.13	TON	.32	7.72
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				791.46
10/27/16	521539	Vehicle#: john				
		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 & Profile # 111223wa	29.27	TON	.32	9.37
		Generator sisters of holy names 2911 ft george wright d 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	25.85	TON	.32	8.27
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				847.88
10/27/16	521549	Vehicle#: joel				



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Online WM ezPay ID: 00003-87297-35007
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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
		Special waste solid other	33.31	TON	28.00	932.68
		Fuel environmental admin charges	33.31	TON	4.48	149.23
		Spokane regional health district - special waste & Profile # 111223wa	33.31	TON	.32	10.66
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,092.57
10/27/16	521551	Vehicle#: brandon				
		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 & Profile # 111223wa	34.46	TON	.32	11.03
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,130.29
10/27/16	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 & Profile # 111223wa	33.98	TON	.32	10.87
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,114.54
10/27/16	521554	Vehicle#: dale				
		Special waste solid other	19.72	TON	28.00	552.16
		Fuel environmental admin charges	19.72	TON	4.48	88.35
		Spokane regional health district - special waste & Profile # 111223wa	19.72	TON	.32	6.31
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				646.82
10/27/16	521561	Vehicle#: dave				
		Special waste solid other	28.80	TON	28.00	806.40
		Fuel environmental admin charges	28.80	TON	4.48	129.02
		Spokane regional health district - special waste & Profile # 111223wa	28.80	TON	.32	9.22
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				944.64
10/27/16	521562	Vehicle#: kelly				
		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 & Profile # 111223wa	31.37	TON	.32	10.04
		Generator sisters of holy names 2911 ft george wright d				

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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
		Manifest#: 111223wa				
		Ticket Total				1,028.94
10/27/16	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 & Profile # 111223wa	35.65	TON	.32	11.41
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,169.32
10/27/16	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 & Profile # 111223wa	29.50	TON	.32	9.44
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				967.60
10/27/16	521571	Vehicle#: steve				
		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				
		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 & Profile # 111223wa	30.57	TON	.32	9.78
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,002.69
10/27/16	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 & Profile # 111223wa	29.15	TON	.32	9.33
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				956.12
10/27/16	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 & Profile # 111223wa	27.24	TON	.32	8.72



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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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				893.48
10/27/16	521580	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	32.12 32.12 32.12	TON TON TON	28.00 4.48 .32	899.36 143.90 10.28 1,053.54
10/27/16	521581	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	22.33 22.33 22.33	TON TON TON	28.00 4.48 .32	625.24 100.04 7.15 732.43
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 wright d Manifest#: 111223wa Ticket Total	32.45 32.45 32.45	TON TON TON	28.00 4.48 .32	908.60 145.38 10.38 1,064.36
10/27/16	521584	Vehicle#: dale 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	20.10 20.10 20.10	TON TON TON	28.00 4.48 .32	562.80 90.05 6.43 659.28
10/27/16	521587	Vehicle#: chris 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	30.78 30.78 30.78	TON TON TON	28.00 4.48 .32	861.84 137.89 9.85 1,009.58
10/27/16	521590	Vehicle#: tom				

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FOR CHANGE OF ADDRESS OR ANY SERVICE ISSUES CONTACT NUMBER ON PAGE 1

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
		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 & Profile # 111223wa	31.86	TON	.32	10.20
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,045.01
10/27/16	521591	Vehicle#: kelly				
		Special waste solid other	30.40	TON	28.00	851.20
		Fuel environmental admin charges	30.40	TON	4.48	136.19
		Spokane regional health district - special waste & Profile # 111223wa	30.40	TON	.32	9.73
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				997.12
10/27/16	521607	Vehicle#: brandon				
		Special waste solid other	34.87	TON	28.00	976.36
		Fuel environmental admin charges	34.87	TON	4.48	156.22
		Spokane regional health district - special waste & Profile # 111223wa	34.87	TON	.32	11.16
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,143.74
10/27/16	521615	Vehicle#: dave				
		Special waste solid other	34.97	TON	28.00	979.16
		Fuel environmental admin charges	34.97	TON	4.48	156.67
		Spokane regional health district - special waste & Profile # 111223wa	34.97	TON	.32	11.19
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,147.02
10/27/16	521617	Vehicle#: tony				
		Special waste solid other	27.03	TON	28.00	756.84
		Fuel environmental admin charges	27.03	TON	4.48	121.09
		Spokane regional health district - special waste & Profile # 111223wa	27.03	TON	.32	8.65
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				886.58
10/27/16	521618	Vehicle#: brett				
		Special waste solid other	24.47	TON	28.00	685.16
		Fuel environmental admin charges	24.47	TON	4.48	109.63
		Spokane regional health district - special waste & Profile # 111223wa	24.47	TON	.32	7.83
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				802.62



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Customer: TW Clark Construction, Inc
 Online WM ezPay ID: 00003-87297-35007
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
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 & Profile # 111223wa	35.66	TON	.32	11.41
		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 & Profile # 111223wa	33.16	TON	.32	10.61
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,087.65
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 & Profile # 111223wa	33.24	TON	.32	10.64
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,090.28
10/27/16	521622	Vehicle#: josh Special waste solid other	34.19	TON	28.00	957.32
		Fuel environmental admin charges	34.19	TON	4.48	153.17
		Spokane regional health district - special waste & Profile # 111223wa	34.19	TON	.32	10.94
		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 & Profile # 111223wa	31.92	TON	.32	10.21
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,046.97
10/27/16	521627	Vehicle#: dave 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 & Profile # 111223wa	26.79	TON	.32	8.57

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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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				878.71
10/27/16	521628	Vehicle#: steve 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	35.55 35.55 35.55	TON TON TON	28.00 4.48 .32	995.40 159.26 11.38 1,166.04
10/27/16	521629	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 Ticket Total	33.97 33.97 33.97	TON TON TON	28.00 4.48 .32	951.16 152.19 10.87 1,114.22
10/27/16	521644	Vehicle#: dale 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	23.92 23.92 23.92	TON TON TON	28.00 4.48 .32	669.76 107.16 7.65 784.57
10/27/16	521646	Vehicle#: tom 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	30.92 30.92 30.92	TON TON TON	28.00 4.48 .32	865.76 138.52 9.89 1,014.17
10/27/16	521652	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#: 0 Ticket Total	38.68 38.68 38.68	TON TON TON	28.00 4.48 .32	1,083.04 173.29 12.38 1,268.71
10/27/16	521657	Vehicle#: dave Special waste solid other Fuel environmental admin charges	31.66 31.66	TON TON	28.00 4.48	886.48 141.84



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 Due Date: Due Upon Receipt

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
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 0	31.66	TON	.32	10.13
		Ticket Total				1,038.45
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 Manifest#: 0	29.88 29.88 29.88	TON TON TON	28.00 4.48 .32	836.64 133.86 9.56
		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 Manifest#: 0	23.93 23.93 23.93	TON TON TON	28.00 4.48 .32	670.04 107.21 7.66
		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 Manifest#: 111223wa	30.72 30.72 30.72	TON TON TON	28.00 4.48 .32	860.16 137.63 9.83
		Ticket Total				1,007.62

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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
10/27/16	521666	Vehicle#: keith				
		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 & Profile # 111223wa	28.24	TON	.32	9.04
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				926.28
10/27/16	521667	Vehicle#: dave				
		Special waste solid other	22.05	TON	28.00	617.40
		Fuel environmental admin charges	22.05	TON	4.48	98.78
		Spokane regional health district - special waste & Profile # 111223wa	22.05	TON	.32	7.06
		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 & Profile # 111223wa	23.92	TON	.32	7.65
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				784.57
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 & Profile # 111223wa	30.11	TON	.32	9.64
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				987.61
10/27/16	521680	Vehicle#: tom				
		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 & Profile # 111223wa	28.41	TON	.32	9.09
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				931.85
10/27/16	521682	Vehicle#: dale				
		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 & Profile # 111223wa	28.53	TON	.32	9.13
		Generator sisters of holy names 2911 ft george wright d				



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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
		Manifest#: 111223wa				
		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 & Profile # 111223wa	28.01	TON	.32	8.96
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				918.72
10/27/16	521685	Vehicle#: brandon				
		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 & Profile # 111223wa	30.55	TON	.32	9.78
		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 & Profile # 111223wa	31.36	TON	.32	10.04
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,028.61
10/27/16	521691	Vehicle#: tony				
		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 & Profile # 111223wa	27.45	TON	.32	8.78
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		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 & Profile # 111223wa	32.58	TON	.32	10.43
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,068.63
10/27/16	521697	Vehicle#: brett				
		Special waste solid other	26.76	TON	28.00	749.28
		Fuel environmental admin charges	26.76	TON	4.48	119.88

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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
		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 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 25.77	TON TON TON	28.00 4.48 .32	721.56 115.45 8.25
		Ticket Total				845.26
10/27/16	521702	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	29.49 29.49 29.49	TON TON TON	28.00 4.48 .32	825.72 132.12 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 Manifest#: 111223wa	32.87 32.87 32.87	TON TON TON	28.00 4.48 .32	920.36 147.26 10.52
		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 wright d Manifest#: 111223wa	30.81 30.81 30.81	TON TON TON	28.00 4.48 .32	862.68 138.03 9.86
		Ticket Total				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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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
		Special waste solid other	21.87	TON	28.00	612.36
		Fuel environmental admin charges	21.87	TON	4.48	97.98
		Spokane regional health district - special waste & Profile # 111223wa	21.87	TON	.32	7.00
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				717.34
10/28/16	521737	Vehicle#: jeff				
		Special waste solid other	20.28	TON	28.00	567.84
		Fuel environmental admin charges	20.28	TON	4.48	90.85
		Spokane regional health district - special waste & Profile # 111223wa	20.28	TON	.32	6.49
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				665.18
10/28/16	521762	Vehicle#: john				
		Special waste solid other	21.01	TON	28.00	588.28
		Fuel environmental admin charges	21.01	TON	4.48	94.12
		Spokane regional health district - special waste & Profile # 111223wa	21.01	TON	.32	6.72
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				689.12
10/28/16	521764	Vehicle#: jeff				
		Special waste solid other	20.53	TON	28.00	574.84
		Fuel environmental admin charges	20.53	TON	4.48	91.97
		Spokane regional health district - special waste & Profile # 111223wa	20.53	TON	.32	6.57
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				673.38
10/28/16	521785	Vehicle#: john				
		Special waste solid other	21.17	TON	28.00	592.76
		Fuel environmental admin charges	21.17	TON	4.48	94.84
		Spokane regional health district - special waste & Profile # 111223wa	21.17	TON	.32	6.77
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				694.37
10/28/16	521795	Vehicle#: jeff				
		Special waste solid other	20.65	TON	28.00	578.20
		Fuel environmental admin charges	20.65	TON	4.48	92.51
		Spokane regional health district - special waste & Profile # 111223wa	20.65	TON	.32	6.61
		Generator sisters of holy names 2911 ft george wright d				

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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
		Manifest#: 1112233wa				
		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 & Profile # 111223wa	24.35	TON	.32	7.79
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				798.68
10/28/16	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 & Profile # 111223wa	22.19	TON	.32	7.10
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				727.83
10/28/16	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 & Profile # 111223wa	23.91	TON	.32	7.65
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				784.25
10/28/16	521859	Vehicle#: john				
		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 & Profile # 111223wa	22.74	TON	.32	7.28
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 0				
		Ticket Total				745.88
10/31/16	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 & Profile # 111223wa	25.93	TON	.32	8.30
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				850.51
10/31/16	521889	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 & Profile # 111223wa	30.30	TON	.32	9.70



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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
		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 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	29.47 29.47 29.47	TON TON TON	28.00 4.48 .32	825.16 132.03 9.43 966.62
10/31/16	521895	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	24.53 24.53 24.53	TON TON TON	28.00 4.48 .32	686.84 109.89 7.85 804.58
10/31/16	521898	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	18.72 18.72 18.72	TON TON TON	28.00 4.48 .32	524.16 83.87 5.99 614.02
10/31/16	521899	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	20.23 20.23 20.23	TON TON TON	28.00 4.48 .32	566.44 90.63 6.47 663.54
10/31/16	521905	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 Ticket Total	31.32 31.32 31.32	TON TON TON	28.00 4.48 .32	876.96 140.31 10.02 1,027.29
10/31/16	521908	Vehicle#: kelly				

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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
		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 & Profile # 111223wa	28.12	TON	.32	9.00
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				922.34
10/31/16	521911	Vehicle#: dave				
		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 & Profile # 111223wa	28.06	TON	.32	8.98
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				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 & Profile # 111223wa	36.52	TON	.32	11.69
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,197.86
10/31/16	521916	Vehicle#: dale				
		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 & Profile # 111223wa	25.27	TON	.32	8.09
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		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 & Profile # 111223wa	33.09	TON	.32	10.59
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,085.35
10/31/16	521919	Vehicle#: dan				
		Special waste solid other	33.68	TON	28.00	943.04
		Fuel environmental admin charges	33.68	TON	4.48	150.89
		Spokane regional health district - special waste & Profile # 111223wa	33.68	TON	.32	10.78
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,104.71



GRAHAM ROAD LANDFILL
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Customer: TW Clark Construction, Inc
Online WM ezPay ID: 00003-87297-35007
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
10/31/16	521926	Vehicle#: john				
		Special waste solid other	31.78	TON	28.00	889.84
		Fuel environmental admin charges	31.78	TON	4.48	142.37
		Spokane regional health district - special waste & Profile # 111223wa	31.78	TON	.32	10.17
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,042.38
10/31/16	521927	Vehicle#: tom				
		Special waste solid other	33.15	TON	28.00	928.20
		Fuel environmental admin charges	33.15	TON	4.48	148.51
		Spokane regional health district - special waste & Profile # 111223wa	33.15	TON	.32	10.61
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,087.32
10/31/16	521930	Vehicle#: dave				
		Special waste solid other	34.44	TON	28.00	964.32
		Fuel environmental admin charges	34.44	TON	4.48	154.29
		Spokane regional health district - special waste & Profile # 111223wa	34.44	TON	.32	11.02
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,129.63
10/31/16	521931	Vehicle#: dave				
		Special waste solid other	27.17	TON	28.00	760.76
		Fuel environmental admin charges	27.17	TON	4.48	121.72
		Spokane regional health district - special waste & Profile # 111223wa	27.17	TON	.32	8.69
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				891.17
10/31/16	521937	Vehicle#: john				
		Special waste solid other	19.01	TON	28.00	532.28
		Fuel environmental admin charges	19.01	TON	4.48	85.16
		Spokane regional health district - special waste & Profile # 111223wa	19.01	TON	.32	6.08
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				623.52
10/31/16	521939	Vehicle#: Ieland				
		Special waste solid other	22.67	TON	28.00	634.76
		Fuel environmental admin charges	22.67	TON	4.48	101.56
		Spokane regional health district - special waste & Profile # 111223wa	22.67	TON	.32	7.25

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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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa Ticket Total				743.57
10/31/16	521942	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 Ticket Total	32.81 32.81 32.81	TON TON TON	28.00 4.48 .32	918.68 146.99 10.50 1,076.17
10/31/16	521950	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#: 111223wa Ticket Total	31.30 31.30 31.30	TON TON TON	28.00 4.48 .32	876.40 140.22 10.02 1,026.64
10/31/16	521954	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	30.64 30.64 30.64	TON TON TON	28.00 4.48 .32	857.92 137.27 9.80 1,004.99
10/31/16	521957	Vehicle#: dale 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	29.95 29.95 29.95	TON TON TON	28.00 4.48 .32	838.60 134.18 9.58 982.36
10/31/16	521959	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	39.96 39.96 39.96	TON TON TON	28.00 4.48 .32	1,118.88 179.02 12.79 1,310.69
10/31/16	521963	Vehicle#: jared Special waste solid other Fuel environmental admin charges	34.61 34.61	TON TON	28.00 4.48	969.08 155.05



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Due Date:

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TW Clark Construction, Inc
00003-87297-35007
11/01/2016
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	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	34.61	TON	.32	11.08 1,135.21
10/31/16	521968	Vehicle#: dan 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	33.59 33.59 33.59	TON TON TON	28.00 4.48 .32	940.52 150.48 10.75 1,101.75
10/31/16	521976	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	30.68 30.68 30.68	TON TON TON	28.00 4.48 .32	859.04 137.45 9.82 1,006.31
10/31/16	521977	Vehicle#: tom 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	27.16 27.16 27.16	TON TON TON	28.00 4.48 .32	760.48 121.68 8.69 890.85
10/31/16	521979	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	26.26 26.26 26.26	TON TON TON	28.00 4.48 .32	735.28 117.64 8.40 861.32
10/31/16	521982	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	25.03 25.03 25.03	TON TON TON	28.00 4.48 .32	700.84 112.13 8.01 820.98

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0002035-0000024-0003435

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
10/31/16	521989	Vehicle#: john				
		Special waste solid other	17.72	TON	28.00	496.16
		Fuel environmental admin charges	17.72	TON	4.48	79.39
		Spokane regional health district - special waste & Profile # 111223wa	17.72	TON	.32	5.67
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				581.22
10/31/16	521991	Vehicle#: Ieland				
		Special waste solid other	17.19	TON	28.00	481.32
		Fuel environmental admin charges	17.19	TON	4.48	77.01
		Spokane regional health district - special waste & Profile # 111223wa	17.19	TON	.32	5.50
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				563.83
10/31/16	521994	Vehicle#: joel				
		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 & Profile # 111223wa	26.93	TON	.32	8.62
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				883.31
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 & Profile # 111223wa	28.24	TON	.32	9.04
		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 & Profile # 111223wa	29.33	TON	.32	9.39
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				962.03
10/31/16	522014	Vehicle#: dale				
		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 & Profile # 111223wa	27.61	TON	.32	8.84
		Generator sisters of holy names 2911 ft george wright d				



GRAHAM ROAD LANDFILL
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MEDICAL LAKE, WA 99022

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Online WM ezPay ID: 00003-87297-35007
 Invoice Date: 11/01/2016
 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
		Manifest#: 111223wa				
		Ticket Total				905.61
10/31/16	522015	Vehicle#: brandon				
		Special waste solid other	30.45	TON	28.00	852.60
		Fuel environmental admin charges	30.45	TON	4.48	136.42
		Spokane regional health district - special waste & Profile # 111223wa	30.45	TON	.32	9.74
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				998.76
10/31/16	522017	Vehicle#: jared				
		Special waste solid other	27.70	TON	28.00	775.60
		Fuel environmental admin charges	27.70	TON	4.48	124.10
		Spokane regional health district - special waste & Profile # 111223wa	27.70	TON	.32	8.86
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				908.56
10/31/16	522021	Vehicle#: dan				
		Special waste solid other	28.37	TON	28.00	794.36
		Fuel environmental admin charges	28.37	TON	4.48	127.10
		Spokane regional health district - special waste & Profile # 111223wa	28.37	TON	.32	9.08
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				930.54
10/31/16	522027	Vehicle#: john				
		Special waste solid other	29.46	TON	28.00	824.88
		Fuel environmental admin charges	29.46	TON	4.48	131.98
		Spokane regional health district - special waste & Profile # 111223wa	29.46	TON	.32	9.43
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				966.29
10/31/16	522034	Vehicle#: dave				
		Special waste solid other	28.33	TON	28.00	793.24
		Fuel environmental admin charges	28.33	TON	4.48	126.92
		Spokane regional health district - special waste & Profile # 111223wa	28.33	TON	.32	9.07
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				929.23
10/31/16	522035	Vehicle#: john				
		Special waste solid other	19.30	TON	28.00	540.40
		Fuel environmental admin charges	19.30	TON	4.48	86.46

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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
		Spokane regional health district - special waste & Profile # 111223wa Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa	19.30	TON	.32	6.18
		Ticket Total				633.04
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	25.55 25.55 25.55	TON TON TON	28.00 4.48 .32	715.40 114.46 8.18
		Ticket Total				838.04
10/31/16	522042	Vehicle#: Ieland 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	21.77 21.77 21.77	TON TON TON	28.00 4.48 .32	609.56 97.53 6.97
		Ticket Total				714.06
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	27.38 27.38 27.38	TON TON TON	28.00 4.48 .32	766.64 122.66 8.76
		Ticket Total				898.06
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	28.60 28.60 28.60	TON TON TON	28.00 4.48 .32	800.80 128.13 9.15
		Ticket Total				938.08
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	28.08 28.08 28.08	TON TON TON	28.00 4.48 .32	786.24 125.80 8.99
		Ticket Total				921.03
10/31/16	522058	Vehicle#: dale				



GRAHAM ROAD LANDFILL
S. 1820 GRAHAM ROAD
MEDICAL LAKE, WA 99022

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 Invoice Number: 0064230-1518-6
 Account Number: 518-0000842-1518-1
 Due Date: Due Upon Receipt

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
		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 & Profile # 111223wa	19.42	TON	.32	6.21
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				636.97
10/31/16	522061	Vehicle#: jared				
		Special waste solid other	31.75	TON	28.00	889.00
		Fuel environmental admin charges	31.75	TON	4.48	142.24
		Spokane regional health district - special waste & Profile # 111223wa	31.75	TON	.32	10.16
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,041.40
10/31/16	522062	Vehicle#: brandon				
		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 & Profile # 111223wa	35.94	TON	.32	11.50
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,178.83
10/31/16	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 & Profile # 111223wa	32.01	TON	.32	10.24
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0				
		Ticket Total				1,049.92
10/31/16	522076	Vehicle#: john				
		Special waste solid other	31.34	TON	28.00	877.52
		Fuel environmental admin charges	31.34	TON	4.48	140.40
		Spokane regional health district - special waste & Profile # 111223wa	31.34	TON	.32	10.03
		Generator sisters of holy names 2911 ft george wright d Manifest#: 111223wa				
		Ticket Total				1,027.95
10/31/16	522077	Vehicle#: john				
		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 & Profile # 111223wa	21.64	TON	.32	6.92
		Generator sisters of holy names 2911 ft george wright d				

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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
		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 & Profile # 111223wa	31.28	TON	.32	10.01
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				1,025.98
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 & Profile # 111223wa	24.61	TON	.32	7.88
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				807.21
10/31/16	522082	Vehicle#: leland				
		Special waste solid other	21.69	TON	28.00	607.32
		Fuel environmental admin charges	21.69	TON	4.48	97.17
		Spokane regional health district - special waste & Profile # 111223wa	21.69	TON	.32	6.94
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				711.43
10/31/16	522084	Vehicle#: joel				
		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 & Profile # 111223wa	29.27	TON	.32	9.37
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				960.06
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 & Profile # 111223wa	29.30	TON	.32	9.38
		Generator sisters of holy names 2911 ft george wright d				
		Manifest#: 111223wa				
		Ticket Total				961.04
10/31/16	522093	Vehicle#: dale				
		Special waste solid other	29.55	TON	28.00	827.40
		Fuel environmental admin charges	29.55	TON	4.48	132.38
		Spokane regional health district - special waste & Profile # 111223wa	29.55	TON	.32	9.46



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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
		Generator sisters of holy names 2911 ft george wright d Manifest#: 0 Ticket Total				969.24
10/31/16	522096	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	29.41 29.41 29.41	TON TON TON	28.00 4.48 .32	823.48 131.76 9.41 964.65
10/31/16	522098	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#: 0 Ticket Total	31.89 31.89 31.89	TON TON TON	28.00 4.48 .32	892.92 142.87 10.20 1,045.99
10/31/16	522099	Vehicle#: dan 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	32.22 32.22 32.22	TON TON TON	28.00 4.48 .32	902.16 144.35 10.31 1,056.82
10/31/16	522101	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 Ticket Total	25.16 25.16 25.16	TON TON TON	28.00 4.48 .32	704.48 112.72 8.05 825.25
10/31/16	522102	Vehicle#: tom 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	28.66 28.66 28.66	TON TON TON	28.00 4.48 .32	802.48 128.40 9.17 940.05

0002035-0000027-0003438

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

Payments Received Detail

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

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

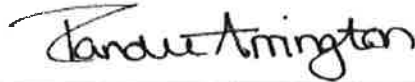
ANALYTICAL REPORT

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:
10/26/2016 4:04:02 PM

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

LINKS

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results through

Total Access

Have a Question?



Visit us at:

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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Definitions	5
Client Sample Results	6
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Chain of Custody	20
Receipt Checklists	21

Case Narrative

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

TestAmerica Job ID: 590-4793-1

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.

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

Qualifier	Qualifier Description
X	Surrogate is outside control limits

Glossary

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

Client Sample Results

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

Percent Solids: 86.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	470	F1 F2	230		ug/Kg	☼	10/24/16 14:23	10/25/16 13:04	20
2-Methylnaphthalene	ND	F2	230		ug/Kg	☼	10/24/16 14:23	10/25/16 13:04	20
1-Methylnaphthalene	ND	F2	230		ug/Kg	☼	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	☼	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	☼	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	☼	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	☼	10/24/16 14:23	10/25/16 13:04	20
Benzo[b]fluoranthene	30000	F2	230		ug/Kg	☼	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	☼	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 Fac
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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		5.2		mg/Kg	☼	10/24/16 10:26	10/25/16 12:17	5

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☼	10/24/16 14:23	10/25/16 13:29	1
2-Methylnaphthalene	ND		10		ug/Kg	☼	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	1
Acenaphthylene	ND		10		ug/Kg	☼	10/24/16 14:23	10/25/16 13:29	1
Acenaphthene	15		10		ug/Kg	☼	10/24/16 14:23	10/25/16 13:29	1
Fluorene	ND		10		ug/Kg	☼	10/24/16 14:23	10/25/16 13:29	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 10/21/16 15:23

Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	89		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Anthracene	23		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Fluoranthene	480		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Pyrene	440		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Benzo[a]anthracene	410		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Chrysene	510		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Benzo[b]fluoranthene	800		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Benzo[k]fluoranthene	300		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Benzo[a]pyrene	590		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Indeno[1,2,3-cd]pyrene	390		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Dibenz(a,h)anthracene	120		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1
Benzo[g,h,i]perylene	430		10		ug/Kg	☒	10/24/16 14:23	10/25/16 13:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	31		23 - 120	10/24/16 14:23	10/25/16 13:29	1
2-Fluorobiphenyl (Surr)	54		38 - 123	10/24/16 14:23	10/25/16 13:29	1
p-Terphenyl-d14	87		68 - 136	10/24/16 14:23	10/25/16 13:29	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)	80		21		mg/Kg	☒	10/26/16 08:28	10/26/16 12:25	2
Residual Range Organics (RRO) (C25-C36)	300		53		mg/Kg	☒	10/26/16 08:28	10/26/16 12:25	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	105		50 - 150	10/26/16 08:28	10/26/16 12:25	2
n-Triacontane-d62	128		50 - 150	10/26/16 08:28	10/26/16 12:25	2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		5.6		mg/Kg	☒	10/24/16 10:26	10/25/16 12:20	5

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

Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1200		220		ug/Kg	☒	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	☒	10/24/16 14:23	10/25/16 13:55	20
Acenaphthylene	ND		220		ug/Kg	☒	10/24/16 14:23	10/25/16 13:55	20
Acenaphthene	2100		220		ug/Kg	☒	10/24/16 14:23	10/25/16 13:55	20
Fluorene	740		220		ug/Kg	☒	10/24/16 14:23	10/25/16 13:55	20
Phenanthrene	9700		220		ug/Kg	☒	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	☒	10/24/16 14:23	10/25/16 13:55	20
Benzo[a]anthracene	42000		220		ug/Kg	☒	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

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4793-3

Date Collected: 10/21/16 10:00

Matrix: Solid

Date Received: 10/21/16 15:23

Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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	☼	10/24/16 14:23	10/25/16 13:55	20
Dibenz[a,h]anthracene	11000		220		ug/Kg	☼	10/24/16 14:23	10/25/16 13:55	20
Benzo[g,h,i]perylene	40000		220		ug/Kg	☼	10/24/16 14:23	10/25/16 13:55	20

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 Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1300		220		mg/Kg	☼	10/26/16 08:28	10/26/16 12:43	20
Residual Range Organics (RRO) (C25-C36)	3800		540		mg/Kg	☼	10/26/16 08:28	10/26/16 12:43	20

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	☼	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

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

Analyte	Result	Qualifier	RL	MDL	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	☼	10/24/16 14:23	10/25/16 14:21	1
Acenaphthene	70		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1
Fluorene	36		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1
Phenanthrene	820		11		ug/Kg	☼	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	☼	10/24/16 14:23	10/25/16 14:21	1
Pyrene	2700		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1
Benzo[a]anthracene	2600		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1
Chrysene	2800		11		ug/Kg	☼	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	☼	10/24/16 14:23	10/25/16 14:21	1
Benzo[a]pyrene	3000		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1

TestAmerica Spokane

Client Sample Results

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	1800		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:21	1
Dibenz(a,h)anthracene	680		11		ug/Kg	☼	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
p-Terphenyl-d14	95		68 - 136				10/24/16 14:23	10/25/16 18:16	5

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)	40		11		mg/Kg	☼	10/26/16 08:28	10/26/16 13:45	1
Residual Range Organics (RRO) (C25-C36)	120		27		mg/Kg	☼	10/26/16 08:28	10/26/16 13:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	105		50 - 150				10/26/16 08:28	10/26/16 13:45	1
n-Triacontane-d62	108		50 - 150				10/26/16 08:28	10/26/16 13:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		4.2		mg/Kg	☼	10/24/16 10:26	10/25/16 12:25	5

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

Percent Solids: 89.2

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

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	☼	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	☼	10/24/16 14:23	10/25/16 14:46	1
Anthracene	16		11		ug/Kg	☼	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	☼	10/24/16 14:23	10/25/16 14:46	1
Benzo[a]anthracene	230		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:46	1
Chrysene	270		11		ug/Kg	☼	10/24/16 14:23	10/25/16 14:46	1
Benzo[b]fluoranthene	390		11		ug/Kg	☼	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	☼	10/24/16 14:23	10/25/16 14:46	1

TestAmerica Spokane

Client Sample Results

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

Date Received: 10/21/16 15:23

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		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	Dil Fac
Lead	33		4.1		mg/Kg	⊛	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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	

TestAmerica Spokane

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	39		23 - 120
2-Fluorobiphenyl (Surr)	65		38 - 123
p-Terphenyl-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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
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	☼	53		46 - 131
Acenaphthylene	ND		299	ND		ug/Kg	☼	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	☼	-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	☼	-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	☼	-3408		60 - 133
Indeno[1,2,3-cd]pyrene	14000	F2	299	8110	4	ug/Kg	☼	-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	☼	-2283		58 - 147

Surrogate	MS %Recovery	MS 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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Naphthalene	470	F1 F2	299	1190	F1 F2	ug/Kg	☼	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	☼	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

TestAmerica Spokane

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: 590-4793-1 MSD
 Matrix: Solid
 Analysis Batch: 9260

Client Sample ID: SP-1
 Prep Type: Total/NA
 Prep Batch: 9255

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzo[a]anthracene	16000	F2	299	22500	4 F2	ug/Kg	☼	2303	61 - 136	82	35	
Chrysene	19000	F2	299	26400	4 F2	ug/Kg	☼	2546	57 - 144	81	35	
Benzo[b]fluoranthene	30000	F2	299	40500	4 F2	ug/Kg	☼	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	☼	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	☼	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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
MB MB									
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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
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					

TestAmerica Spokane

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: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9244/2-A
 Matrix: Solid
 Analysis Batch: 9268

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9244

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.3		mg/Kg		10/24/16 10:26	10/25/16 11:31	1

Lab Sample ID: LCS 590-9244/1-A
 Matrix: Solid
 Analysis Batch: 9268

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Chronicle

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

Date Collected: 10/21/16 09:10

Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-1

Matrix: Solid

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

Client Sample ID: SP-1

Date Collected: 10/21/16 09:10

Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-1

Matrix: Solid

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.32 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

Date Collected: 10/21/16 09:32

Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-2

Matrix: Solid

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.90 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

Date Collected: 10/21/16 10:00

Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-3

Matrix: Solid

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

TestAmerica Spokane

Lab Chronicle

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
 Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-3

Matrix: Solid
 Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.59 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

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.13 g	2 mL	9255	10/24/16 14:23	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			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

Date Collected: 10/21/16 13:00
 Date Received: 10/21/16 15:23

Lab Sample ID: 590-4793-5

Matrix: Solid

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

Client Sample ID: SP-5

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

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

TestAmerica Spokane

Lab Chronicle

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 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



TestAmerica

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
 503-996-9200 FAX: 996-9210
 907-563-9200 FAX: 863-9210

CHAIN OF CUSTODY REPORT

Work Order #: _____

TURNAROUND REQUEST

in Business Days *

<input checked="" type="checkbox"/>	7	<input type="checkbox"/>	5	<input type="checkbox"/>	4	<input type="checkbox"/>	3	<input type="checkbox"/>	2	<input type="checkbox"/>	1	<input type="checkbox"/>	<1
STD		STD		STD		STD		STD		STD		STD	

Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

OTHER Specify: **STANDARDS**

* Turnaround Request less than standard turn over for Rush Charges

CLIENT: **EARL SOLUTIONS NW**
 REPORT TO: **TED SYKES**
 ADDRESS: _____
 PHONE: **(425) 284-3300** FAX: _____
 PROJECT NAME: **S: STEES OF THE HOLY NAMES**
 PROJECT NUMBER: **ES-4332.01**
 SAMPLED BY: **Ted Sykes**

INVOICE TO: **EARL SOLUTIONS NW**
 P.O. NUMBER: _____
 PRESERVATIVE: _____
 REQUESTED ANALYSES: _____

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ANALYSES			DATE	DATE	DATE	DATE	DATE	DATE
		NUTPH-DX	CPAHS	TOTAL LEAD						
SP-1	10/21/16 9:10 AM	X	X	X						
SP-2	10/21/16 9:32 AM	X	X	X						
SP-3	10/21/16 10:00 AM	X	X	X						
SP-4	10/21/16 11:00 AM	X	X	X						
SP-5	10/21/16 1:00 PM	X	X	X						



RELEASED BY: **Ted Sykes** FIRM: **ESNW** DATE: **10/21/16**
 RECEIVED BY: **Shirley Frost** FIRM: **TRC/pdx** DATE: **10/21/16**
 PRINT NAME: _____ FIRM: _____ DATE: _____
 RECEIVED BY: _____ FIRM: _____ DATE: _____
 PRINT NAME: _____ FIRM: _____ DATE: _____

TEMP: **3.2** TIME: _____
 PAGE: _____ OF _____

10008000 (07/14)

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 \leq background as measured by a survey meter.	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 $<6\text{mm}$ (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: 590-4798-1
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

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results through

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Visit us at:

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/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.



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



Definitions/Glossary

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

TestAmerica Job ID: 590-4798-1

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 Sample Results

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-1

Lab Sample ID: 590-4798-1

Date Collected: 10/24/16 13:50

Matrix: Solid

Date Received: 10/24/16 15:06

Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	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	☒	10/24/16 15:35	10/25/16 10:56	1
Fluorene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Phenanthrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Benzo[a]anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Chrysene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Benzo[a]pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Dibenz[a,h]anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 10:56	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☒	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

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		10		mg/Kg	☒	10/25/16 08:02	10/25/16 10:35	1
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	☒	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Acenaphthylene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Acenaphthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Fluorene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1

TestAmerica Spokane

Client Sample Results

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-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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Benzo[a]anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Chrysene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Benzo[a]pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☒	10/24/16 15:35	10/25/16 11:19	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☒	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

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		10		mg/Kg	☒	10/25/16 08:02	10/25/16 10:48	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☒	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 - 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	☒	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

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		9.8		mg/Kg	☒	10/25/16 08:02	10/25/16 11:01	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☒	10/25/16 08:02	10/25/16 11:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	100		50 - 150	10/25/16 08:02	10/25/16 11:01	1
n-Triacontane-d62	100		50 - 150	10/25/16 08:02	10/25/16 11:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		4.5		mg/Kg	☒	10/25/16 11:08	10/26/16 09:51	5

TestAmerica Spokane

Client Sample Results

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-4

Lab Sample ID: 590-4798-4

Date Collected: 10/24/16 14:02

Matrix: Solid

Date Received: 10/24/16 15:06

Percent Solids: 97.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
2-Methylnaphthalene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
1-Methylnaphthalene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Acenaphthylene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Acenaphthene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Fluorene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Phenanthrene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Anthracene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Fluoranthene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Pyrene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Benzo[a]anthracene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Chrysene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Benzo[b]fluoranthene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Benzo[k]fluoranthene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Benzo[a]pyrene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Indeno[1,2,3-cd]pyrene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Dibenz(a,h)anthracene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1
Benzo[g,h,i]perylene	ND		9.7		ug/Kg	⊗	10/24/16 15:35	10/25/16 11:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	43		23 - 120	10/24/16 15:35	10/25/16 11:46	1
2-Fluorobiphenyl (Surr)	66		38 - 123	10/24/16 15:35	10/25/16 11:46	1
p-Terphenyl-d14	97		68 - 136	10/24/16 15:35	10/25/16 11:46	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)	ND		10		mg/Kg	⊗	10/25/16 08:02	10/25/16 11:15	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	⊗	10/25/16 08:02	10/25/16 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150	10/25/16 08:02	10/25/16 11:15	1
n-Triacontane-d62	98		50 - 150	10/25/16 08:02	10/25/16 11:15	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0		5.8		mg/Kg	⊗	10/25/16 11:08	10/26/16 10:06	5

QC Sample Results

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
 Analysis Batch: 9260

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
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

TestAmerica Spokane

QC Sample Results

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

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	67.1	62.6		mg/Kg		93	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.8	61.8		mg/Kg		92	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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 ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 9259

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec. Limits	RPD	
		Result	Qualifier					RPD	Limit
Diesel Range Organics (DRO) (C10-C25)	67.1	61.3		mg/Kg		91	50 - 150	2	25
Residual Range Organics (RRO) (C25-C36)	66.8	62.8		mg/Kg		94	50 - 150	2	25

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

TestAmerica Spokane

QC Sample Results

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

TestAmerica Job ID: 590-4798-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9267/2-A
 Matrix: Solid
 Analysis Batch: 9287

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9267

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.3		mg/Kg		10/25/16 11:08	10/26/16 09:32	1

Lab Sample ID: LCS 590-9267/1-A
 Matrix: Solid
 Analysis Batch: 9287

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9267

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Lead	50.0	51.4		mg/Kg		103	80 - 120

Lab Sample ID: 590-4798-1 MS
 Matrix: Solid
 Analysis Batch: 9287

Client Sample ID: C-1
 Prep Type: Total/NA
 Prep Batch: 9267

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Lead	8.3		51.5	62.2		mg/Kg	☒	105	75 - 125

Lab Sample ID: 590-4798-1 MSD
 Matrix: Solid
 Analysis Batch: 9287

Client Sample ID: C-1
 Prep Type: Total/NA
 Prep Batch: 9267

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Lead	8.3		47.2	55.2		mg/Kg	☒	99	75 - 125	12	20

Lab Sample ID: 590-4798-1 DU
 Matrix: Solid
 Analysis Batch: 9287

Client Sample ID: C-1
 Prep Type: Total/NA
 Prep Batch: 9267

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

Lab Chronicle

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-1

Date Collected: 10/24/16 13:50

Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-1

Matrix: Solid

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

Client Sample ID: C-1

Date Collected: 10/24/16 13:50

Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-1

Matrix: Solid

Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.36 g	2 mL	9255	10/24/16 15:35	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9260	10/25/16 10:56	NMI	TAL SPK
Total/NA	Prep	3550C			15.37 g	5 mL	9259	10/25/16 08:02	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9262	10/25/16 10:35	NMI	TAL SPK
Total/NA	Prep	3050B			1.15 g	50 mL	9267	10/25/16 11:08	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9287	10/26/16 09:37	JSP	TAL SPK

Client Sample ID: C-2

Date Collected: 10/24/16 13:54

Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-2

Matrix: Solid

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

Client Sample ID: C-2

Date Collected: 10/24/16 13:54

Date Received: 10/24/16 15:06

Lab Sample ID: 590-4798-2

Matrix: Solid

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9255	10/24/16 15:35	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9260	10/25/16 11:19	NMI	TAL SPK
Total/NA	Prep	3550C			15.69 g	5 mL	9259	10/25/16 08:02	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9262	10/25/16 10:48	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 09:49	JSP	TAL SPK

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

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

TestAmerica Spokane

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.88 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	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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

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

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

10/26/2016

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analysis
 Petroleum Hydrocarbon Analysis

OTHER Specify: **RUSH!**

* Turnaround Request less than standard time enter Rush Charges

10	7	5	4	3	2	1
STD	STD	STD	STD	STD	STD	STD

CLIENT: Earth Solutions NW		INVOICE TO: Earth Solutions NW				
REPORT TO: Ted Sykes		PRESERVATIVE:				
ADDRESS:		P.O. NUMBER:				
PHONE: (425) 284-3300 FAX:		REQUESTED ANALYSES:				
PROJECT NAME: SISTERS OF THE HOLY NAMES		NUTPH-DX				
PROJECT NUMBER: ES-4332.01		CPAHs				
SAMPLED BY: Ted Sykes		TOTAL LEAD				
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DATE	TIME	RECEIVED BY	DATE	TIME
1 C-1	10/24/16 1350			<i>[Signature]</i>	10/24/16	1504
2 C-2	10/24/16 1354					
3 C-3	10/24/16 1405					
4 C-4	10/24/16 1402					
5						
6						
7						
8						
9						
10						

590-4798 Chain of Custody



TEMP: **3.4 C**
 DATE: **10/26/16**
 TIME: **1504**

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4798-1

Login Number: 4798

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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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: 590-4804-1
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

LINKS

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results through
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Have a Question?



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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/ES-4332.01

TestAmerica Job ID: 590-4804-1

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.

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	Received
590-4804-1	C-26	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-2	C-27	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-3	C-28	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-4	C-29	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-5	C-30	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-6	C-31	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-7	C-32	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-8	C-33	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-9	C-34	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-10	C-35	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-11	C-6	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-12	C-7	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-13	C-8	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-14	C-9	Solid	10/25/16 00:00	10/25/16 15:55
590-4804-15	C-5	Solid	10/25/16 00:00	10/25/16 15:55

Definitions/Glossary

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

TestAmerica Job ID: 590-4804-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

GC Semi VOA

Qualifier	Qualifier Description
X	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
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/ES-4332.01

TestAmerica Job ID: 590-4804-1

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

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

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	☒	10/26/16 07:32	10/26/16 10:42	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Acenaphthylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Acenaphthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Fluorene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Phenanthrene	21		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Anthracene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Fluoranthene	70		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Pyrene	62		10		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 10:42	1
Benzo[b]fluoranthene	110	F2 F1	10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Benzo[k]fluoranthene	36	F2	10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Benzo[a]pyrene	69	F2 F1	10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Indeno[1,2,3-cd]pyrene	41		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Dibenz(a,h)anthracene	17		10		ug/Kg	☒	10/26/16 07:32	10/26/16 10:42	1
Benzo[g,h,i]perylene	48	F2	10		ug/Kg	☒	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 - Northwest - 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	☒	10/26/16 08:28	10/26/16 10:33	1
Residual Range Organics (RRO) (C25-C36)	ND		25		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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5		5.4		mg/Kg	☒	10/25/16 16:44	10/26/16 12:45	5

Client Sample ID: C-27

Lab Sample ID: 590-4804-2

Date Collected: 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	☒	10/26/16 07:32	10/26/16 11:06	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 11:06	1
Acenaphthene	ND		9.9		ug/Kg	☒	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

Client Sample Results

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-27

Lab Sample ID: 590-4804-2

Date Collected: 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) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	21		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Anthracene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Fluoranthene	64		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Pyrene	56		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Benzo[a]anthracene	48		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Chrysene	63		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Benzo[b]fluoranthene	81		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Benzo[k]fluoranthene	27		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Benzo[a]pyrene	54		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Indeno[1,2,3-cd]pyrene	33		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Dibenz(a,h)anthracene	13		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Benzo[g,h,i]perylene	38		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 11:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	45		23 - 120				10/26/16 07:32	10/26/16 11:06	1
2-Fluorobiphenyl (Surr)	69		38 - 123				10/26/16 07:32	10/26/16 11:06	1
p-Terphenyl-d14	100		68 - 136				10/26/16 07:32	10/26/16 11:06	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)	ND		9.8		mg/Kg	☒	10/26/16 08:28	10/26/16 11:02	1
Residual Range Organics (RRO) (C25-C36)	ND		24		mg/Kg	☒	10/26/16 08:28	10/26/16 11:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 150				10/26/16 08:28	10/26/16 11:02	1
n-Triacontane-d62	97		50 - 150				10/26/16 08:28	10/26/16 11:02	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		5.1		mg/Kg	☒	10/25/16 16:44	10/26/16 12:58	5

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

Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Acenaphthylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Acenaphthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Fluorene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Phenanthrene	ND		10		ug/Kg	☒	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	☒	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

Client Sample Results

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

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 94.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Benzo[a]pyrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 11:31	1
Indeno[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	Analyzed	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

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	☒	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	10/26/16 10:49	1
n-Triacontane-d62	65		50 - 150				10/26/16 08:28	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

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

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	☒	10/26/16 07:32	10/26/16 11:56	20
1-Methylnaphthalene	ND		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Acenaphthylene	ND		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Acenaphthene	450		200		ug/Kg	☒	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	☒	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	☒	10/26/16 07:32	10/26/16 11:56	20
Chrysene	16000		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Benzo[b]fluoranthene	24000		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Benzo[k]fluoranthene	7700		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Benzo[a]pyrene	17000		200		ug/Kg	☒	10/26/16 07:32	10/26/16 11:56	20
Indeno[1,2,3-cd]pyrene	11000		200		ug/Kg	☒	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

Client Sample Results

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

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

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 - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1000		190		mg/Kg	⊛	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	⊛	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	⊛	10/26/16 07:32	10/26/16 12:20	1
2-Methylnaphthalene	ND		10		ug/Kg	⊛	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	⊛	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	⊛	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	⊛	10/26/16 07:32	10/26/16 12:20	1
Fluoranthene	15		10		ug/Kg	⊛	10/26/16 07:32	10/26/16 12:20	1
Pyrene	14		10		ug/Kg	⊛	10/26/16 07:32	10/26/16 12:20	1
Benzo[a]anthracene	18		10		ug/Kg	⊛	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	⊛	10/26/16 07:32	10/26/16 12:20	1
Benzo[k]fluoranthene	13		10		ug/Kg	⊛	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	⊛	10/26/16 07:32	10/26/16 12:20	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	⊛	10/26/16 07:32	10/26/16 12:20	1
Benzo[g,h,i]perylene	18		10		ug/Kg	⊛	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

TestAmerica Spokane

Client Sample Results

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-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

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		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
<i>o</i> -Terphenyl	95		50 - 150				10/26/16 08:28	10/26/16 11:16	1
<i>n</i> -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
Lead	8.2		5.1		mg/Kg	☒	10/25/16 16:44	10/26/16 13:14	5

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	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	☒	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	☒	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	☒	10/26/16 07:32	10/26/16 12:44	1
Benzo[g,h,i]perylene	180		10		ug/Kg	☒	10/26/16 07:32	10/26/16 12:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	53		23 - 120				10/26/16 07:32	10/26/16 12:44	1
<i>2-Fluorobiphenyl (Surr)</i>	74		38 - 123				10/26/16 07:32	10/26/16 12:44	1
<i>p</i> -Terphenyl-d14	100		68 - 136				10/26/16 07:32	10/26/16 12:44	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)	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
<i>o</i> -Terphenyl	94		50 - 150				10/26/16 08:28	10/26/16 11:16	1

TestAmerica Spokane

Client Sample Results

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-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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -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	☒	10/25/16 16:44	10/26/16 13:16	5

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Acenaphthylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Acenaphthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Fluorene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Phenanthrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Anthracene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Fluoranthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Pyrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1
Benzo[a]anthracene	ND		10		ug/Kg	☒	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	☒	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	☒	10/26/16 07:32	10/26/16 13:08	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	47		23 - 120	10/26/16 07:32	10/26/16 13:08	1
<i>2-Fluorobiphenyl (Surr)</i>	68		38 - 123	10/26/16 07:32	10/26/16 13:08	1
<i>p</i> -Terphenyl-d14	94		68 - 136	10/26/16 07:32	10/26/16 13:08	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)	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
<i>o</i> -Terphenyl	92		50 - 150	10/26/16 08:28	10/26/16 11:30	1
<i>n</i> -Triacontane-d62	93		50 - 150	10/26/16 08:28	10/26/16 11:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.7		4.1		mg/Kg	☒	10/25/16 16:44	10/26/16 13:18	5

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4804-8

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 97.8

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	☒	10/26/16 07:32	10/26/16 13:32	1
2-Methylnaphthalene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
1-Methylnaphthalene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Acenaphthylene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Acenaphthene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Fluorene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Phenanthrene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Anthracene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Fluoranthene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Pyrene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Benzo[a]anthracene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
Chrysene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
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
Benzo[a]pyrene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 13:32	1
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	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		23 - 120	10/26/16 07:32	10/26/16 13:32	1
2-Fluorobiphenyl (Surr)	70		38 - 123	10/26/16 07:32	10/26/16 13:32	1
p-Terphenyl-d14	104		68 - 136	10/26/16 07:32	10/26/16 13:32	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)	ND		10		mg/Kg	☒	10/26/16 08:28	10/26/16 11:48	1
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	☒	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)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Acenaphthylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Acenaphthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Fluorene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1

TestAmerica Spokane

Client Sample Results

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-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) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Anthracene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Fluoranthene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Pyrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Benzo[a]anthracene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Chrysene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Benzo[b]fluoranthene	ND		10		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 13:57	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 13:57	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	☒	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 - Northwest - 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	☒	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 - 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	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		5.1		mg/Kg	☒	10/25/16 16:44	10/26/16 13:24	5

Client Sample ID: C-35

Lab Sample ID: 590-4804-10

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
2-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
1-Methylnaphthalene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
Acenaphthylene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
Acenaphthene	ND		10		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 14:22	1
Pyrene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
Benzo[a]anthracene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
Chrysene	ND		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1

TestAmerica Spokane

Client Sample Results

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-35

Lab Sample ID: 590-4804-10

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	16		10		ug/Kg	☒	10/26/16 07:32	10/26/16 14:22	1
Benzo[k]fluoranthene	ND		10		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 14:22	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	☒	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

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		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	95		50 - 150				10/26/16 08:28	10/26/16 11:30	1
n-Triacontane-d62	87		50 - 150				10/26/16 08:28	10/26/16 11:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		4.9		mg/Kg	☒	10/25/16 16:44	10/26/16 13:26	5

Client Sample ID: C-6

Lab Sample ID: 590-4804-11

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 98.0

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	☒	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	☒	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	☒	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	☒	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	☒	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	☒	10/26/16 07:32	10/26/16 14:48	1
Benzo[b]fluoranthene	ND		9.9		ug/Kg	☒	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	☒	10/26/16 07:32	10/26/16 14:48	1
Indeno[1,2,3-cd]pyrene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 14:48	1
Dibenz(a,h)anthracene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 14:48	1
Benzo[g,h,i]perylene	ND		9.9		ug/Kg	☒	10/26/16 07:32	10/26/16 14:48	1

TestAmerica Spokane

Client Sample Results

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-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

Surrogate	%Recovery	Qualifier	Limits	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 - Northwest - Semi-Volatile Petroleum Products (GC)

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) (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	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
Lead	7.6		4.8		mg/Kg	⊗	10/25/16 16:44	10/26/16 13:29	5

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
 Matrix: Solid
 Percent Solids: 96.4

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

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	⊗	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	⊗	10/26/16 07:32	10/26/16 15:14	1
Acenaphthene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Fluorene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Phenanthrene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Anthracene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Fluoranthene	ND		10		ug/Kg	⊗	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	⊗	10/26/16 07:32	10/26/16 15:14	1
Chrysene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Benzo[b]fluoranthene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Benzo[k]fluoranthene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Benzo[a]pyrene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Dibenz(a,h)anthracene	ND		10		ug/Kg	⊗	10/26/16 07:32	10/26/16 15:14	1
Benzo[g,h,i]perylene	ND		10		ug/Kg	⊗	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

TestAmerica Spokane

Client Sample Results

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-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

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		10		mg/Kg	☒	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
<i>o</i> -Terphenyl	94		50 - 150				10/26/16 08:28	10/26/16 12:06	1
<i>n</i> -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
Lead	7.5		4.3		mg/Kg	☒	10/25/16 16:44	10/26/16 13:32	5

Client Sample ID: C-8

Lab Sample ID: 590-4804-13

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.2

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		10		mg/Kg	☒	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
<i>o</i> -Terphenyl	97		50 - 150				10/26/16 08:28	10/26/16 12:25	1
<i>n</i> -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	☒	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

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)	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	☒	10/26/16 08:28	10/26/16 12:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150				10/26/16 08:28	10/26/16 12:43	1
<i>n</i> -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	☒	10/25/16 16:44	10/26/16 13:37	5

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4804-15

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.1

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)	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	☼	10/26/16 08:28	10/26/16 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150	10/26/16 08:28	10/26/16 13:16	1
<i>n</i> -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

QC Sample Results

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Naphthalene	267	184		ug/Kg		69	41 - 121
2-Methylnaphthalene	267	213		ug/Kg		80	39 - 132
1-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		ug/Kg		89	60 - 129
Fluoranthene	267	231		ug/Kg		86	63 - 141
Pyrene	267	207		ug/Kg		78	62 - 139
Benzo[a]anthracene	267	231		ug/Kg		86	61 - 136
Chrysene	267	224		ug/Kg		84	57 - 144
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		ug/Kg		83	60 - 133
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

QC Sample Results

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: LCS 590-9276/2-A
 Matrix: Solid
 Analysis Batch: 9277

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9276

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

Lab Sample ID: 590-4804-1 MS
 Matrix: Solid
 Analysis Batch: 9277

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9276

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

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

Lab Sample ID: 590-4804-1 MSD
 Matrix: Solid
 Analysis Batch: 9277

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9276

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Naphthalene	ND		258	152		ug/Kg	☒	58	41 - 121	17	35
2-Methylnaphthalene	ND		258	190		ug/Kg	☒	73	39 - 132	10	35
1-Methylnaphthalene	ND		258	176		ug/Kg	☒	68	46 - 131	11	35
Acenaphthylene	ND		258	192		ug/Kg	☒	74	56 - 123	7	35
Acenaphthene	ND		258	201		ug/Kg	☒	78	43 - 140	7	35
Fluorene	ND		258	215		ug/Kg	☒	83	54 - 131	4	35
Phenanthrene	21		258	248		ug/Kg	☒	88	55 - 141	8	35
Anthracene	ND		258	235		ug/Kg	☒	89	60 - 129	4	35
Fluoranthene	70		258	331		ug/Kg	☒	101	63 - 141	10	35
Pyrene	62		258	300		ug/Kg	☒	92	62 - 139	16	35

TestAmerica Spokane

QC Sample Results

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

Client Sample ID: C-26

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9277

Prep Batch: 9276

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier							
Benzo[a]anthracene	59		258	310		ug/Kg	☒	97	61 - 136	30	35	
Chrysene	75		258	320		ug/Kg	☒	95	57 - 144	33	35	
Benzo[b]fluoranthene	110	F2 F1	258	375	F2	ug/Kg	☒	104	66 - 141	41	35	
Benzo[k]fluoranthene	36	F2	258	270	F2	ug/Kg	☒	91	63 - 150	38	35	
Benzo[a]pyrene	69	F2 F1	258	323	F2	ug/Kg	☒	98	60 - 133	43	35	
Indeno[1,2,3-cd]pyrene	41		258	287		ug/Kg	☒	95	55 - 142	33	35	
Dibenz(a,h)anthracene	17		258	234		ug/Kg	☒	84	60 - 150	23	35	
Benzo[g,h,i]perylene	48	F2	258	288	F2	ug/Kg	☒	93	58 - 147	37	35	
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)

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

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9282

Prep Batch: 9280

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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
MB MB									
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

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9282

Prep Batch: 9280

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
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				

TestAmerica Spokane

QC Sample Results

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 DU
 Matrix: Solid
 Analysis Batch: 9281

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9280

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☒	21	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☒	31	40
Surrogate	%Recovery	DU Qualifier	Limits					
<i>o</i> -Terphenyl	95		50 - 150					
<i>n</i> -Triacontane-d62	71		50 - 150					

Lab Sample ID: 590-4804-2 DU
 Matrix: Solid
 Analysis Batch: 9282

Client Sample ID: C-27
 Prep Type: Total/NA
 Prep Batch: 9280

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☒	7	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☒	13	40
Surrogate	%Recovery	DU Qualifier	Limits					
<i>o</i> -Terphenyl	96		50 - 150					
<i>n</i> -Triacontane-d62	91		50 - 150					

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9274/2-A
 Matrix: Solid
 Analysis Batch: 9291

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9274

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.3		mg/Kg		10/25/16 16:44	10/26/16 12:43	1

Lab Sample ID: LCS 590-9274/1-A
 Matrix: Solid
 Analysis Batch: 9291

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Result	Qualifier
Lead	50.0	50.0		mg/Kg		100	80 - 120	

Lab Sample ID: 590-4804-1 MS
 Matrix: Solid
 Analysis Batch: 9291

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9274

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

TestAmerica Spokane

QC Sample Results

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)

Lab Sample ID: 590-4804-1 MSD
 Matrix: Solid
 Analysis Batch: 9291

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9274

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Lead	8.5		44.8	60.3		mg/Kg	✱	116	75 - 125	7	20

Lab Sample ID: 590-4804-1 DU
 Matrix: Solid
 Analysis Batch: 9291

Client Sample ID: C-26
 Prep Type: Total/NA
 Prep Batch: 9274

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Lead	8.5		12.0	F5	mg/Kg	✱	34	20

Lab Chronicle

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-26

Lab Sample ID: 590-4804-1

Date Collected: 10/25/16 00:00

Matrix: Solid

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	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.01 g	2 mL	9276	10/26/16 07:32	NMI	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

Client Sample ID: C-27

Lab Sample ID: 590-4804-2

Date Collected: 10/25/16 00:00

Matrix: Solid

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	Analysis	Moisture		1			9275	10/25/16 16:47	JSP	TAL SPK

Client Sample ID: C-27

Lab Sample ID: 590-4804-2

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.48 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

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

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.28 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 11:31	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 10:49	NMI	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

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

Lab Sample ID: 590-4804-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-4

Matrix: Solid
 Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.68 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		20			9277	10/26/16 11:56	NMI	TAL SPK
Total/NA	Prep	3550C			15.98 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		20			9281	10/26/16 11:02	NMI	TAL SPK
Total/NA	Prep	3050B			1.62 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:03	JSP	TAL SPK

Client Sample ID: C-30

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

Lab Sample ID: 590-4804-5

Matrix: Solid

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

Client Sample ID: C-30

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

Lab Sample ID: 590-4804-5

Matrix: Solid
 Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.12 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 12:20	NMI	TAL SPK
Total/NA	Prep	3550C			15.50 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 11:16	NMI	TAL SPK
Total/NA	Prep	3050B			1.27 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK

TestAmerica Spokane

Lab Chronicle

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-30

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

Lab Sample ID: 590-4804-5

Matrix: Solid
 Percent Solids: 96.3

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

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

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

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

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

Client Sample ID: C-32

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

Lab Sample ID: 590-4804-7

Matrix: Solid

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

Client Sample ID: C-32

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

Lab Sample ID: 590-4804-7

Matrix: Solid
 Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.07 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 13:08	NMI	TAL SPK
Total/NA	Prep	3550C			15.55 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9282	10/26/16 11:30	NMI	TAL SPK
Total/NA	Prep	3050B			1.59 g	50 mL	9274	10/25/16 16:44	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9291	10/26/16 13:18	JSP	TAL SPK

TestAmerica Spokane

Lab Chronicle

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.54 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
 Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-9

Matrix: Solid

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

Client Sample ID: C-34

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

Lab Sample ID: 590-4804-9

Matrix: Solid
 Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.21 g	2 mL	9276	10/26/16 07:32	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9277	10/26/16 13:57	NMI	TAL SPK
Total/NA	Prep	3550C			15.26 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9282	10/26/16 12:06	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 13:24	JSP	TAL SPK

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

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

Lab Chronicle

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.27 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

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-11

Matrix: Solid

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.45 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

Date Collected: 10/25/16 00:00

Date Received: 10/25/16 15:55

Lab Sample ID: 590-4804-12

Matrix: Solid

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

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

Matrix: Solid

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 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

Lab Chronicle

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-7

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

Lab Sample ID: 590-4804-12

Matrix: Solid
 Percent Solids: 96.4

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

Client Sample ID: C-8

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

Lab Sample ID: 590-4804-13

Matrix: Solid

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

Client Sample ID: C-8

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

Lab Sample ID: 590-4804-13

Matrix: Solid
 Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.26 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	6010C		5			9291	10/26/16 13:34	JSP	TAL SPK

Client Sample ID: C-9

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

Lab Sample ID: 590-4804-14

Matrix: Solid

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

Client Sample ID: C-9

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

Lab Sample ID: 590-4804-14

Matrix: Solid
 Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 12:43	NMI	TAL SPK
Total/NA	Prep	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

Client Sample ID: C-5

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

Lab Sample ID: 590-4804-15

Matrix: Solid

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

TestAmerica Spokane

Lab Chronicle

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

Lab Sample ID: 590-4804-15

Date Collected: 10/25/16 00:00

Matrix: Solid

Date Received: 10/25/16 15:55

Percent Solids: 96.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.83 g	5 mL	9280	10/26/16 08:28	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9281	10/26/16 13:16	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 13:48	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: 590-4804-1

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 Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



TestAmerica

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

1/2

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analysis: 10 7 5 4 3 2 1 1

Petroleum Hydrocarbon Analysis: 5 4 3 2 1 1

OTHER: Specify **PUSH!**

* Turnaround Request (TAR) does not include any in-lab work charges

CLIENT: Earth Solutions NW, LLC	INVOICE TO: Earth Solutions NW					
REPORT TO: Ted Syles	P.O. NUMBER:					
ADDRESS:	PRESERVATIVE:					
PHONE: (425) 284-3300 FAX:	REQUESTED ANALYSES:					
PROJECT NAME: Sisters of the Holy Names						
PROJECT NUMBER: ES-453201						
SAMPLED BY: Tyler Scalise						
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH - Dk	CPAHS	TOTAL LEAD		
1 C-26	10/25/16	X	X	X		
2 C-27		X	X	X		
3 C-28		X	X	X		
4 C-29		X	X	X		
5 C-30		X	X	X		
6 C-31		X	X	X		
7 C-32		X	X	X		
8 C-33		X	X	X		
9 C-34		X	X	X		
10 C-35		X	X	X		
RELEASED BY: Tyler Scalise	FIRM: ESSNW	DATE: 10/25	TIME: 3:50	RECEIVED BY: [Signature]	DATE: 10/25	TIME: 1555
PRINT NAME: Tyler Scalise	FIRM: ESSNW	DATE: 10/25	TIME: 3:50	RECEIVED BY: [Signature]	DATE: 10/25	TIME: 1555
ADDITIONAL REMARKS: [Signature]	FIRM: ESSNW	DATE: 10/25	TIME: 3:50	RECEIVED BY: [Signature]	DATE: 10/25	TIME: 1555



590-4804 Chain of Custody

TEMP: 54C
 PAGES: 30 OF 34

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4804-1

Login Number: 4804

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ ($1/4''$).	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

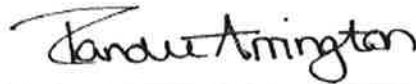
ANALYTICAL REPORT

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

TestAmerica Job ID: 590-4813-1
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:
10/27/2016 3:28:30 PM*

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

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

Qualifier	Qualifier Description
X	Surrogate is outside control limits

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.

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 Sample Results

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

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	☼	10/27/16 09:52	10/27/16 11:21	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	10/27/16 09:52	10/27/16 11:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	97		50 - 150				10/27/16 09:52	10/27/16 11:21	1
<i>n</i> -Triacontane-d62	87		50 - 150				10/27/16 09:52	10/27/16 11:21	1

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Acenaphthylene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Acenaphthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Fluorene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Phenanthrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Fluoranthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Benzo[a]anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Chrysene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Benzo[a]pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 15:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	44		23 - 120				10/26/16 15:16	10/26/16 15:56	1
2-Fluorobiphenyl (Surr)	66		38 - 123				10/26/16 15:16	10/26/16 15:56	1
<i>p</i> -Terphenyl-d14	108		68 - 136				10/26/16 15:16	10/26/16 15:56	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)	ND		10		mg/Kg	☼	10/27/16 09:52	10/27/16 11:52	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	10/27/16 09:52	10/27/16 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				10/27/16 09:52	10/27/16 11:52	1

TestAmerica Spokane

Client Sample Results

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

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 93.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Triacontane-d62	85		50 - 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	6.5		5.7		mg/Kg	☼	10/26/16 14:29	10/27/16 13:09	5

Client Sample ID: C-12

Lab Sample ID: 590-4813-3

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Acenaphthylene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Acenaphthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Fluorene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Phenanthrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Fluoranthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Benzo[a]anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Chrysene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Benzo[b]fluoranthene	0.013		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Benzo[a]pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☼	10/26/16 15:16	10/26/16 16:21	1
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 Fac
<i>Nitrobenzene-d5</i>	49		23 - 120	10/26/16 15:16	10/26/16 16:21	1
<i>2-Fluorobiphenyl (Surr)</i>	77		38 - 123	10/26/16 15:16	10/26/16 16:21	1
<i>p</i> -Terphenyl-d14	115		68 - 136	10/26/16 15:16	10/26/16 16:21	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) (C10-C25)	ND		11		mg/Kg	☼	10/27/16 09:52	10/27/16 12:10	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	10/27/16 09:52	10/27/16 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	96		50 - 150	10/27/16 09:52	10/27/16 12:10	1
<i>n</i> -Triacontane-d62	85		50 - 150	10/27/16 09:52	10/27/16 12:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.6		5.2		mg/Kg	☼	10/26/16 14:29	10/27/16 13:11	5

TestAmerica Spokane

Client Sample Results

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

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-13

Lab Sample ID: 590-4813-4

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 94.2

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		10		mg/Kg	☒	10/27/16 09:52	10/27/16 11:52	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☒	10/27/16 09:52	10/27/16 11:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	99		50 - 150				10/27/16 09:52	10/27/16 11:52	1
<i>n</i> -Triacontane-d62	97		50 - 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	☒	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

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		10		mg/Kg	☒	10/27/16 09:52	10/27/16 12:10	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☒	10/27/16 09:52	10/27/16 12:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	99		50 - 150				10/27/16 09:52	10/27/16 12:10	1
<i>n</i> -Triacontane-d62	96		50 - 150				10/27/16 09:52	10/27/16 12:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.3		4.0		mg/Kg	☒	10/26/16 14:29	10/27/16 13:24	5

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

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	☒	10/26/16 15:16	10/26/16 16:48	1
2-Methylnaphthalene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
1-Methylnaphthalene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Acenaphthylene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Acenaphthene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Fluorene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Phenanthrene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Anthracene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Fluoranthene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Pyrene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Chrysene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☒	10/26/16 15:16	10/26/16 16:48	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 10/26/16 14:10

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	☼	10/26/16 15:16	10/26/16 16:48	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	☼	10/26/16 15:16	10/26/16 16:48	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☼	10/26/16 15:16	10/26/16 16:48	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	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

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	☼	10/27/16 09:52	10/27/16 12:28	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	10/27/16 09:52	10/27/16 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	97		50 - 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	☼	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

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	☼	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	☼	10/26/16 15:16	10/26/16 17:14	1
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	☼	10/26/16 15:16	10/26/16 17:14	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	10/26/16 15:16	10/26/16 17:14	1
Chrysene	ND		0.011		mg/Kg	☼	10/26/16 15:16	10/26/16 17:14	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	10/26/16 15:16	10/26/16 17:14	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	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	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☼	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

TestAmerica Spokane

Client Sample Results

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

TestAmerica Job ID: 590-4813-1

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

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 - 136	10/26/16 15:16	10/26/16 17:14	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)	ND		11		mg/Kg	⊛	10/27/16 09:52	10/27/16 12:46	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	⊛	10/27/16 09:52	10/27/16 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	101		50 - 150	10/27/16 09:52	10/27/16 12:46	1
n-Triacontane-d62	101		50 - 150	10/27/16 09:52	10/27/16 12:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		4.7		mg/Kg	⊛	10/26/16 14:29	10/27/16 13:28	5

Client Sample ID: C-36

Lab Sample ID: 590-4813-8

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 90.2

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

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	⊛	10/26/16 15:16	10/26/16 17:40	2
1-Methylnaphthalene	ND		0.022		mg/Kg	⊛	10/26/16 15:16	10/26/16 17:40	2
Acenaphthylene	ND		0.022		mg/Kg	⊛	10/26/16 15:16	10/26/16 17:40	2
Acenaphthene	0.030		0.022		mg/Kg	⊛	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		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		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		0.022		mg/Kg	⊛	10/26/16 15:16	10/26/16 17:40	2
Dibenz(a,h)anthracene	0.27		0.022		mg/Kg	⊛	10/26/16 15:16	10/26/16 17:40	2
Benzo[g,h,i]perylene	0.90		0.022		mg/Kg	⊛	10/26/16 15:16	10/26/16 17:40	2

Surrogate	%Recovery	Qualifier	Limits	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

Client Sample Results

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

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 90.2

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)	130		11		mg/Kg	☼	10/27/16 09:52	10/27/16 12:46	1
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
<i>o</i> -Terphenyl	136		50 - 150				10/27/16 09:52	10/27/16 12:46	1
<i>n</i> -Triacontane-d62	113		50 - 150				10/27/16 09:52	10/27/16 12:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0		5.2		mg/Kg	☼	10/26/16 14:29	10/27/16 13:30	5

Client Sample ID: C-37

Lab Sample ID: 590-4813-9

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.73		0.23		mg/Kg	☼	10/26/16 15:16	10/26/16 18:07	20
2-Methylnaphthalene	0.29		0.23		mg/Kg	☼	10/26/16 15:16	10/26/16 18:07	20
1-Methylnaphthalene	ND		0.23		mg/Kg	☼	10/26/16 15:16	10/26/16 18:07	20
Acenaphthylene	ND		0.23		mg/Kg	☼	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	☼	10/26/16 15:16	10/26/16 18:07	20
Anthracene	1.8		0.23		mg/Kg	☼	10/26/16 15:16	10/26/16 18:07	20
Fluoranthene	31		0.23		mg/Kg	☼	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	☼	10/26/16 15:16	10/26/16 18:07	20
Chrysene	35		0.23		mg/Kg	☼	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	☼	10/26/16 15:16	10/26/16 18:07	20
Indeno[1,2,3-cd]pyrene	20		0.23		mg/Kg	☼	10/26/16 15:16	10/26/16 18:07	20
Dibenz(a,h)anthracene	7.1		0.23		mg/Kg	☼	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 Fac
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
<i>p</i> -Terphenyl-d14	166	X	68 - 136				10/26/16 15:16	10/26/16 18:07	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)	240		59		mg/Kg	☼	10/27/16 09:52	10/27/16 12:28	5
Residual Range Organics (RRO) (C25-C36)	810		150		mg/Kg	☼	10/27/16 09:52	10/27/16 12:28	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	140		50 - 150				10/27/16 09:52	10/27/16 12:28	5

TestAmerica Spokane

Client Sample Results

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

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-37

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

Lab Sample ID: 590-4813-9

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.027		0.021		mg/Kg	⊛	10/26/16 15:16	10/26/16 18:33	2
2-Methylnaphthalene	ND		0.021		mg/Kg	⊛	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	⊛	10/26/16 15:16	10/26/16 18:33	2
Fluorene	ND		0.021		mg/Kg	⊛	10/26/16 15:16	10/26/16 18:33	2
Phenanthrene	0.31		0.021		mg/Kg	⊛	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	⊛	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	⊛	10/26/16 15:16	10/26/16 18:33	2
Benzo[k]fluoranthene	0.56		0.021		mg/Kg	⊛	10/26/16 15:16	10/26/16 18:33	2
Benzo[a]pyrene	1.2		0.021		mg/Kg	⊛	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	⊛	10/27/16 09:52	10/27/16 13:04	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	⊛	10/27/16 09:52	10/27/16 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 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
Lead	11		5.4		mg/Kg	⊛	10/26/16 14:29	10/27/16 13:35	5

TestAmerica Spokane

QC Sample Results

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
2-Methylnaphthalene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
1-Methylnaphthalene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Acenaphthylene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Acenaphthene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Fluorene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Phenanthrene	ND		0.010		mg/Kg		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		10/26/16 07:32	10/26/16 09:04	1
Pyrene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[a]anthracene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Chrysene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		10/26/16 07:32	10/26/16 09:04	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		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		10/26/16 07:32	10/26/16 09:04	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

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

TestAmerica Spokane

QC Sample Results

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
 Matrix: Solid
 Analysis Batch: 9277

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9276

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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 Batch: 9305

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9302

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample Sample		DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☼	37	40
Residual Range Organics (RRO) (C25-C36)	ND		ND	F5	mg/Kg	☼	51	40

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

TestAmerica Spokane

QC Sample Results

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

TestAmerica Job ID: 590-4813-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9292/2-A
 Matrix: Solid
 Analysis Batch: 9309

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9292

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3		mg/Kg		10/26/16 14:29	10/27/16 12:52	1

Lab Sample ID: LCS 590-9292/1-A
 Matrix: Solid
 Analysis Batch: 9309

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	51.3		mg/Kg		103	80 - 120

Lab Sample ID: 590-4813-1 MS
 Matrix: Solid
 Analysis Batch: 9309

Client Sample ID: C-10
 Prep Type: Total/NA
 Prep Batch: 9292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	8.0		47.8	62.5		mg/Kg	☼	114	75 - 125

Lab Sample ID: 590-4813-1 MSD
 Matrix: Solid
 Analysis Batch: 9309

Client Sample ID: C-10
 Prep Type: Total/NA
 Prep Batch: 9292

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	8.0		48.3	56.7		mg/Kg	☼	101	75 - 125	10	20

Lab Sample ID: 590-4813-1 DU
 Matrix: Solid
 Analysis Batch: 9309

Client Sample ID: C-10
 Prep Type: Total/NA
 Prep Batch: 9292

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	8.0		7.89		mg/Kg	☼	1	20

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.16 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

Lab Sample ID: 590-4813-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid
 Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 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

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

TestAmerica Spokane

Lab Chronicle

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

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 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		1			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

Client Sample ID: C-13

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-4

Matrix: Solid

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

Client Sample ID: C-13

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-4

Matrix: Solid

Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	5 mL	9302	10/27/16 09:52	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9305	10/27/16 11:52	NMI	TAL SPK
Total/NA	Prep	3050B			1.45 g	50 mL	9292	10/26/16 14:29	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9309	10/27/16 13:21	JSP	TAL SPK

Client Sample ID: C-14

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-5

Matrix: Solid

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

Client Sample ID: C-14

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-5

Matrix: Solid

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.29 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

TestAmerica Spokane

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.07 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

Lab Sample ID: 590-4813-8

Matrix: Solid

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

Lab Chronicle

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.29 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

Client Sample ID: C-37

Date Collected: 10/26/16 00:00

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Received: 10/26/16 14:10

Lab Sample ID: 590-4813-9

Matrix: Solid

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 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

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

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.76 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

TestAmerica Spokane

Lab Chronicle

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

TestAmerica Job ID: 590-4813-1

Client Sample ID: C-38

Lab Sample ID: 590-4813-10

Date Collected: 10/26/16 00:00

Matrix: Solid

Date Received: 10/26/16 14:10

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

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
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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
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

TestAmerica

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

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analysis: 10 7 5 4 3 2 1

Petroleum Hydrocarbon Analysis: 5 4 3 2 1

OTHER: Specify: **RUSH!**

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC		
REPORT TO: Ted Sykes		P.O. NUMBER:		
ADDRESS:		PRESERVATIVE:		
PHONE: (425) 284-3300		PROJECT NAME: Sisters of the Holy Names		
FAX:		PROJECT NUMBER: ES-4332.01		
SAMPLED BY: Tyler Scalis (BTS)		REQUESTED ANALYSES:		
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH	CPAHs	Total LEAD
1 C-1D	10/26/16	X	X	X
2 C-11		X	X	X
3 C-12		X	X	X
4 C-13		X	X	X
5 C-14		X	X	X
6 C-17		X	X	X
7 C-19		X	X	X
8 C-36		X	X	X
9 C-37		X	X	X
10 C-38		X	X	X

RELEASED BY: **Tyler Scalis** FIRM: **ESNW** DATE: **2:10 10/26**

PRINTED BY: **Sylvia Burt** FIRM: **ESNW** DATE: **10/26/16**

ADDITIONAL REMARKS:

RECEIVED BY: **Shelley** FIRM: **TH Spot** DATE: **10/26/16**

PRINT NAME: **Shelley** FIRM: **TH Spot** DATE: **11/10**



590-4813 Chain of Custody

TEMP: **51 C** DATE: **10/26/16**

IMAG: **10003** OR: **10003** (1000 (07) 4)

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4813-1

Login Number: 4813

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ ($1/4''$).	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
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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*

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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.

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.
□	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/ES-4332.01

TestAmerica Job ID: 590-4845-1

Client Sample ID: C-36A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-1

Matrix: Solid

Percent Solids: 89.8

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

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	☒	10/28/16 15:49	10/28/16 17:00	1
1-Methylnaphthalene	ND		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Acenaphthylene	ND		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Acenaphthene	0.023		0.011		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 17:00	1
Benzo[k]fluoranthene	0.50		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Benzo[a]pyrene	0.97		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Indeno[1,2,3-cd]pyrene	0.41		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Dibenz[a,h]anthracene	0.15		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:00	1
Benzo[g,h,i]perylene	0.40		0.011		mg/Kg	☒	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.012		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
2-Methylnaphthalene	ND		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
1-Methylnaphthalene	ND		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
Acenaphthylene	ND		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
Acenaphthene	0.029		0.011		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 17:24	1
Anthracene	0.069		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
Fluoranthene	1.1		0.011		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 17:24	1
Chrysene	0.91		0.011		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 17:24	1
Indeno[1,2,3-cd]pyrene	0.43		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
Dibenz[a,h]anthracene	0.15		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1
Benzo[g,h,i]perylene	0.43		0.011		mg/Kg	☒	10/28/16 15:49	10/28/16 17:24	1

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4845-2

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

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

Client Sample ID: C-38A

Lab Sample ID: 590-4845-3

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
Acenaphthylene	ND		0.010		mg/Kg	☒	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	☒	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	☒	10/28/16 15:49	10/28/16 17:50	1
Benzo[a]anthracene	0.033		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
Chrysene	0.042		0.010		mg/Kg	☒	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	1
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	☒	10/28/16 15:49	10/28/16 17:50	1
Indeno[1,2,3-cd]pyrene	0.020		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 17:50	1
Benzo[g,h,i]perylene	0.020		0.010		mg/Kg	☒	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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	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	☒	10/28/16 15:49	10/28/16 18:16	2
1-Methylnaphthalene	ND		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Acenaphthylene	ND		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Acenaphthene	0.050		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Fluorene	0.030		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Phenanthrene	0.70		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Anthracene	0.17		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Fluoranthene	2.7		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Pyrene	2.4		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Benzo[a]anthracene	2.3		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	2.6		0.023		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 18:16	2
Benzo[a]pyrene	2.6		0.023		mg/Kg	☒	10/28/16 15:49	10/28/16 18:16	2
Indeno[1,2,3-cd]pyrene	1.1		0.023		mg/Kg	☒	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

Lab Sample ID: 590-4845-5

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 98.0

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		9.9		mg/Kg	☒	10/31/16 08:17	10/31/16 12:51	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☒	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	☒	10/28/16 11:01	10/31/16 14:40	5

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

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

Analyte	Result	Qualifier	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	☒	10/28/16 15:49	10/28/16 18:43	20
Acenaphthylene	ND		0.21		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 18:43	20
Phenanthrene	15		0.21		mg/Kg	☒	10/28/16 15:49	10/28/16 18:43	20
Anthracene	4.2		0.21		mg/Kg	☒	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	☒	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	☒	10/28/16 15:49	10/31/16 12:26	100
Benzo[b]fluoranthene	110		1.1		mg/Kg	☒	10/28/16 15:49	10/31/16 12:26	100

TestAmerica Spokane

Client Sample Results

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

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	35		0.21		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 18:43	20
Dibenz(a,h)anthracene	12		0.21		mg/Kg	☒	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
p-Terphenyl-d14	102		68 - 136	10/28/16 15:49	10/28/16 18:43	20
p-Terphenyl-d14	120		68 - 136	10/28/16 15:49	10/31/16 12:26	100

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)	560		210		mg/Kg	☒	10/31/16 08:17	10/31/16 13:09	20
Residual Range Organics (RRO) (C25-C36)	2100		540		mg/Kg	☒	10/31/16 08:17	10/31/16 13:09	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	57		50 - 150	10/31/16 08:17	10/31/16 13:09	20
n-Triacontane-d62	211	X	50 - 150	10/31/16 08:17	10/31/16 13:09	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	51		5.2		mg/Kg	☒	10/28/16 16:40	10/31/16 14:43	5

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

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		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	1

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	☒	10/28/16 16:40	10/31/16 14:45	5

TestAmerica Spokane

Client Sample Results

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-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

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	☒	10/31/16 08:17	10/31/16 13:45	1
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
<i>o</i> -Terphenyl	91		50 - 150				10/31/16 08:17	10/31/16 13:45	1
<i>n</i> -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	☒	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

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Acenaphthylene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Acenaphthene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Fluorene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Phenanthrene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Anthracene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Fluoranthene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Pyrene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Benzo[a]anthracene	ND		0.010		mg/Kg	☒	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	☒	10/28/16 15:49	10/28/16 19:09	1
Benzo[k]fluoranthene	0.013		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Benzo[a]pyrene	0.010		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	☒	10/28/16 15:49	10/28/16 19:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	30		23 - 120				10/28/16 15:49	10/28/16 19:09	1
<i>2-Fluorobiphenyl (Surr)</i>	53		38 - 123				10/28/16 15:49	10/28/16 19:09	1
<i>p</i> -Terphenyl-d14	91		68 - 136				10/28/16 15:49	10/28/16 19:09	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)	ND		10		mg/Kg	☒	10/31/16 08:17	10/31/16 14:04	1
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
<i>o</i> -Terphenyl	90		50 - 150				10/31/16 08:17	10/31/16 14:04	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 93.8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	85		50 - 150	10/31/16 08:17	10/31/16 14:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		5.2		mg/Kg	⊠	10/28/16 16:40	10/31/16 14:49	5

Client Sample ID: C-29A

Lab Sample ID: 590-4845-10

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	⊠	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	⊠	10/28/16 15:49	10/28/16 19:35	1
Fluoranthene	ND		0.010		mg/Kg	⊠	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	⊠	10/28/16 15:49	10/28/16 19:35	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	⊠	10/28/16 15:49	10/28/16 19:35	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	⊠	10/28/16 15:49	10/28/16 19:35	1
Benzo[a]pyrene	ND		0.010		mg/Kg	⊠	10/28/16 15:49	10/28/16 19:35	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	⊠	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

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		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

TestAmerica Spokane

QC Sample Results

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
 Matrix: Solid
 Analysis Batch: 9325

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9326

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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 Control Sample
 Prep Type: Total/NA
 Prep Batch: 9326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
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		mg/Kg		78	56 - 123
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		mg/Kg		88	55 - 141
Anthracene	0.267	0.233		mg/Kg		87	60 - 129
Fluoranthene	0.267	0.230		mg/Kg		86	63 - 141
Pyrene	0.267	0.217		mg/Kg		81	62 - 139
Benzo[a]anthracene	0.267	0.237		mg/Kg		89	61 - 136
Chrysene	0.267	0.238		mg/Kg		89	57 - 144
Benzo[b]fluoranthene	0.267	0.240		mg/Kg		90	66 - 141
Benzo[k]fluoranthene	0.267	0.219		mg/Kg		82	63 - 150
Benzo[a]pyrene	0.267	0.226		mg/Kg		85	60 - 133
Indeno[1,2,3-cd]pyrene	0.267	0.235		mg/Kg		88	55 - 142
Dibenz(a,h)anthracene	0.267	0.227		mg/Kg		85	60 - 150
Benzo[g,h,i]perylene	0.267	0.231		mg/Kg		87	58 - 147

TestAmerica Spokane

QC Sample Results

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) (Continued)

Lab Sample ID: LCS 590-9326/2-A
 Matrix: Solid
 Analysis Batch: 9325

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9326

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	71		23 - 120
2-Fluorobiphenyl (Surr)	88		38 - 123
p-Terphenyl-d14	101		68 - 136

Lab Sample ID: LCSD 590-9326/3-A
 Matrix: Solid
 Analysis Batch: 9325

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 9326

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Naphthalene	0.267	0.192		mg/Kg		72	41 - 121	5	35	
2-Methylnaphthalene	0.267	0.221		mg/Kg		83	39 - 132	2	35	
1-Methylnaphthalene	0.267	0.208		mg/Kg		78	46 - 131	3	35	
Acenaphthylene	0.267	0.199		mg/Kg		75	56 - 123	5	35	
Acenaphthene	0.267	0.212		mg/Kg		80	43 - 140	5	35	
Fluorene	0.267	0.220		mg/Kg		82	54 - 131	4	35	
Phenanthrene	0.267	0.232		mg/Kg		87	55 - 141	0	35	
Anthracene	0.267	0.231		mg/Kg		86	60 - 129	1	35	
Fluoranthene	0.267	0.228		mg/Kg		85	63 - 141	1	35	
Pyrene	0.267	0.210		mg/Kg		79	62 - 139	3	35	
Benzo[a]anthracene	0.267	0.231		mg/Kg		87	61 - 136	2	35	
Chrysene	0.267	0.235		mg/Kg		88	57 - 144	1	35	
Benzo[b]fluoranthene	0.267	0.236		mg/Kg		88	66 - 141	2	35	
Benzo[k]fluoranthene	0.267	0.225		mg/Kg		84	63 - 150	3	35	
Benzo[a]pyrene	0.267	0.221		mg/Kg		83	60 - 133	2	35	
Indeno[1,2,3-cd]pyrene	0.267	0.230		mg/Kg		86	55 - 142	2	35	
Dibenz(a,h)anthracene	0.267	0.227		mg/Kg		85	60 - 150	0	35	
Benzo[g,h,i]perylene	0.267	0.228		mg/Kg		86	58 - 147	1	35	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
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
 Analysis Batch: 9351

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9345

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	92		50 - 150	10/31/16 08:17	10/31/16 12:14	1

TestAmerica Spokane

QC Sample Results

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
n-Triacontane-d62	97		50 - 150	10/31/16 08:17	10/31/16 12:14	1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Residual Range Organics (RRO) (C25-C36)	66.8	77.8		mg/Kg		116	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
o-Terphenyl	94		50 - 150
n-Triacontane-d62	96		50 - 150

Lab Sample ID: LCSD 590-9345/3-A
 Matrix: Solid
 Analysis Batch: 9351

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 9345

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Residual Range Organics (RRO) (C25-C36)	66.8	76.1		mg/Kg		114	50 - 150	2	25

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
o-Terphenyl	87		50 - 150
n-Triacontane-d62	94		50 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9324/2-A
 Matrix: Solid
 Analysis Batch: 9365

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9324

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.3		mg/Kg		10/28/16 11:01	10/31/16 14:02	1

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

TestAmerica Spokane

Lab Chronicle

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-36A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-36A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-1

Matrix: Solid

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.42 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9325	10/28/16 17:00	NMI	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9326	10/28/16 15:49	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9325	10/28/16 17:24	NMI	TAL SPK

Client Sample ID: C-38A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-38A

Date Collected: 10/28/16 00:00

Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-3

Matrix: Solid

Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.72 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

TestAmerica Spokane

Lab Chronicle

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

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EMF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 g	2 mL	9326	10/28/16 15:49	EMF	TAL SPK
Total/NA	Analysis	8270D SIM		2			9325	10/28/16 18:16	NMI	TAL SPK

Client Sample ID: C-18

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EMF	TAL SPK

Client Sample ID: C-18

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-5

Matrix: Solid
 Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.49 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

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EMF	TAL SPK

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
 Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.46 g	2 mL	9326	10/28/16 15:49	EMF	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	EMF	TAL SPK

TestAmerica Spokane

Lab Chronicle

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
 Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		100			9348	10/31/16 12:26	NMI	TAL SPK
Total/NA	Prep	3550C			15.43 g	5 mL	9345	10/31/16 08:17	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		20			9355	10/31/16 13:09	NMI	TAL SPK
Total/NA	Prep	3050B			1.33 g	50 mL	9324	10/28/16 16:40	JSP	TAL SPK
Total/NA	Analysis	6010C		5			9365	10/31/16 14:43	JSP	TAL SPK

Client Sample ID: C-21

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-21

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-7

Matrix: Solid
 Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	5 mL	9345	10/31/16 08:17	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9355	10/31/16 13:27	NMI	TAL SPK
Total/NA	Prep	3050B			1.65 g	50 mL	9324	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

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-22

Date Collected: 10/28/16 00:00
 Date Received: 10/28/16 15:33

Lab Sample ID: 590-4845-8

Matrix: Solid
 Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.20 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

TestAmerica Spokane

Lab Chronicle

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

Matrix: Solid

Date Received: 10/28/16 15:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-23

Lab Sample ID: 590-4845-9

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.58 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

Client Sample ID: C-29A

Lab Sample ID: 590-4845-10

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9344	10/28/16 15:56	EAF	TAL SPK

Client Sample ID: C-29A

Lab Sample ID: 590-4845-10

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 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

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	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent 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

TestAmerica

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
 503-906-9204
 907-563-9200

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

112

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analyses: 10 7 5 4 3 2 1
 Petroleum Hydrocarbon Analyses: 5 4 3 2 1
 OTHER: Specify: **RUSH!**

* Turnaround Request is less than standard maximum turn around

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC	
REPORT TO: Ted Sykes		PRESERVATIVE:	
ADDRESS: (405) 284-3300		P.O. NUMBER:	
PHONE: (405) 284-3300		FAX:	
PROJECT NAME: Systems of the Holy Nations		PROJECT NUMBER: ES 4332.01	
SAMPLED BY: Tyler Sealize (BTS)		SAMPLING DATE/TIME: 10/28	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	ANALYSES	DATE
1 C-316A	10/28	MPH <input checked="" type="checkbox"/> PAHS <input checked="" type="checkbox"/> Total Lead <input checked="" type="checkbox"/>	
2 C-37A			
3 C-38A			
4 C-31A			
5 C-18			
6 C-2D			
7 C-21			
8 C-22			
9 C-23			
10 C-29A			
RELEASED BY: Tyler Sealize	FIRM: Earth Solutions NW, LLC	DATE TIME: 10/28/16 3:30pm	RECEIVED BY: Shawn Smith
PRINT NAME: Tyler Sealize	FIRM: Earth Solutions NW, LLC	DATE TIME: 10/28/16 5:33	RECEIVED BY: Shawn Smith
PRINT NAME: Tyler Sealize	FIRM: Earth Solutions NW, LLC	DATE TIME: 10/28/16 5:33	RECEIVED BY: Shawn Smith
PRINT NAME: Tyler Sealize	FIRM: Earth Solutions NW, LLC	DATE TIME: 10/28/16 5:33	RECEIVED BY: Shawn Smith



590-4845 Chain of Custody

2.84
 10/28/16
 10/28/16

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

212

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
 503-996-9200 FAX 906-9210
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analytes

Petroleum Hydrocarbon Analytes

10 7 5 4 3 2 1

5 4 3 2 1

OTHER **PUSH!**

* Turnaround Request: Less than standard may incur Rush Charges

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC	
REPORT TO: Todd Sykes		P.O. NUMBER:	
ADDRESS: (425) 284-3300		PRESERVATIVE:	
PHONE: FAX:		REQUESTED ANALYSES:	
PROJECT NUMBER:		METHYLENE CHLORIDE	
SAMPLED BY:		WTPH-DX	
CLIENT SAMPLE IDENTIFICATION		CPAHs	
1 C-40		Total LEAD	
2 C-41			
3 C-42			
4 C-43			
5 C-39			
6			
7			
8			
9			
10			
RELEASED BY: Tyler Sealise	FIRM: ESNW	DATE: 10/28/16	RECEIVED BY: [Signature]
PRINT NAME:		TIME: 3:30PM	PRINT NAME: [Signature]
RELEASED BY:		DATE:	RECEIVED BY:
PRINT NAME:		TIME:	PRINT NAME:
ADDITIONAL REMARKS:		FIRM:	FIRM:
		DATE:	DATE:
		TIME:	TIME:
		FIRM:	FIRM:
		DATE:	DATE:
		TIME:	TIME:
		FIRM:	FIRM:

[Signature]

[Signature]

10/28/16
 1533
 12003900 (0713)

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 \leq background as measured by a survey meter.	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 $<6\text{mm}$ (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: 590-4845-2
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

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Expert

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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/ES-4332.01

TestAmerica Job ID: 590-4845-2

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.

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.
□	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/ES-4332.01

TestAmerica Job ID: 590-4845-2

Client Sample ID: C-40

Lab Sample ID: 590-4845-11

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

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

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 19:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		75 - 120				10/28/16 16:14	10/28/16 19:47	1
4-Bromofluorobenzene (Surr)	102		76 - 122				10/28/16 16:14	10/28/16 19:47	1
Dibromofluoromethane (Surr)	92		80 - 120				10/28/16 16:14	10/28/16 19:47	1
Toluene-d8 (Surr)	101		80 - 120				10/28/16 16:14	10/28/16 19:47	1

Client Sample ID: C-41

Lab Sample ID: 590-4845-12

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

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

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

Matrix: Solid

Date Received: 10/28/16 15:33

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

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 - 120				10/28/16 16:14	10/28/16 20:31	1

Client Sample ID: C-43

Lab Sample ID: 590-4845-14

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

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

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

TestAmerica Spokane

Client Sample Results

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

Date Collected: 10/28/16 00:00

Matrix: Solid

Date Received: 10/28/16 15:33

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

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	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Methylene Chloride	ND		0.35		mg/Kg		10/28/16 12:53	10/28/16 13:06	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
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

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Surrogate	LCS LCS		Limits						
	%Recovery	Qualifier							
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

Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Surrogate	LCSD LCSD		Limits							
	%Recovery	Qualifier								
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							

Lab Chronicle

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

Lab Sample ID: 590-4845-11

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			5.072 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

Client Sample ID: C-41

Lab Sample ID: 590-4845-12

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			5.015 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

Client Sample ID: C-43

Lab Sample ID: 590-4845-14

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			5.34 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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		1			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

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 Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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

TestAmerica

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112

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 363-9210

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days *

Organic & Inorganic Analyses: 10 7 5 4 3 2 1 <

Petroleum Hydrocarbon Analyses: 5 4 3 2 1 <

OTHER: Specify: **RUSH!**

* Turnaround Request less than standard may incur Rush Charges

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC										
REPORT TO: Ted Sykes		PRESERVATIVE:										
ADDRESS: (425) 284-3300		P.O. NUMBER:										
PHONE: (425) 284-3300		PROJECT NAME: Sisters of the Holy Names										
PROJECT NUMBER: ES-4332.01		PROJECT NUMBER:										
SAMPLED BY: Tyler Scalise (BTS)		SAMPLING DATE/TIME: 10/28										
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	Matrix	CPAHs	Total	REQUESTED ANALYSES	RECEIVED BY: Shelly Sykes	DATE: 10/28/10	TIME: 3:30 pm	FIRM: TH Spok	DATE: 10/28/10	TIME: 5:33	FIRM: TH Spok
1 C-316A	10/28	X	X	X								
2 C-371A		X	X	X								
3 C-38A		X	X	X								
4 C-31A		X	X	X								
5 C-18		X	X	X								
6 C-2D		X	X	X								
7 C-21		X	X	X								
8 C-22		X	X	X								
9 C-23		X	X	X								
10 C-29A		X	X	X								
RELEASED BY: Tyler Scalise	FIRM: TH Spok	DATE: 10/28/10	TIME: 3:30 pm	RECEIVED BY: Shelly Sykes	FIRM: TH Spok	DATE: 10/28/10	TIME: 5:33	FIRM: TH Spok	DATE: 10/28/10	TIME: 5:33	FIRM: TH Spok	
PRINT NAME: Tyler Scalise	FIRM: TH Spok	DATE: 10/28/10	TIME: 3:30 pm	PRINT NAME: Shelly Sykes	FIRM: TH Spok	DATE: 10/28/10	TIME: 5:33	FIRM: TH Spok	DATE: 10/28/10	TIME: 5:33	FIRM: TH Spok	
ADDITIONAL COMMENTS:	 <p>590-4845 Chain of Custody</p>											

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 \leq background as measured by a survey meter.	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 $<6\text{mm}$ (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: 590-4855-1
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

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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/ES-4332.01

TestAmerica Job ID: 590-4855-1

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.

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.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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/ES-4332.01

TestAmerica Job ID: 590-4855-1

Client Sample ID: C-15

Lab Sample ID: 590-4855-1

Date Collected: 10/31/16 10:30

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 93.9

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		10		mg/Kg	☼	11/01/16 12:23	11/01/16 13:38	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	11/01/16 12:23	11/01/16 13:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				11/01/16 12:23	11/01/16 13:38	1
<i>n</i> -Triacotane-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	☼	10/31/16 14:39	11/01/16 14:37	5

Client Sample ID: C-16

Lab Sample ID: 590-4855-2

Date Collected: 10/31/16 10:30

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:14	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☼	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	☼	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	☼	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
<i>p</i> -Terphenyl-d14	93		68 - 136				11/01/16 10:15	11/01/16 14:14	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)	ND		11		mg/Kg	☼	11/01/16 12:23	11/01/16 13:54	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	11/01/16 12:23	11/01/16 13:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150				11/01/16 12:23	11/01/16 13:54	1

TestAmerica Spokane

Client Sample Results

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-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

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n-Triacontane-d62</i>	83		50 - 150	11/01/16 12:23	11/01/16 13:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.1		3.7		mg/Kg	☼	10/31/16 14:39	11/01/16 14:41	5

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

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		10		mg/Kg	☼	11/01/16 12:23	11/01/16 14:12	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	11/01/16 12:23	11/01/16 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	96		50 - 150	11/01/16 12:23	11/01/16 14:12	1
<i>n-Triacontane-d62</i>	82		50 - 150	11/01/16 12:23	11/01/16 14:12	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.6		3.8		mg/Kg	☼	10/31/16 14:39	11/01/16 14:52	5

Client Sample ID: C-25

Date Collected: 10/31/16 11:00
 Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-4

Matrix: Solid
 Percent Solids: 92.8

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		10		mg/Kg	☼	11/01/16 12:23	11/01/16 14:30	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	11/01/16 12:23	11/01/16 14:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o-Terphenyl</i>	91		50 - 150	11/01/16 12:23	11/01/16 14:30	1
<i>n-Triacontane-d62</i>	84		50 - 150	11/01/16 12:23	11/01/16 14:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.8		4.6		mg/Kg	☼	10/31/16 14:39	11/01/16 14:54	5

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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☼	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

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 95.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Acenaphthylene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Acenaphthene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Fluorene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Phenanthrene	0.013		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Anthracene	ND		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
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	1
Benzo[a]anthracene	0.052		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Chrysene	0.067		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Benzo[b]fluoranthene	0.10		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Benzo[k]fluoranthene	0.035		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Benzo[a]pyrene	0.072		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Indeno[1,2,3-cd]pyrene	0.048		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Dibenz(a,h)anthracene	0.017		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1
Benzo[g,h,i]perylene	0.057		0.010		mg/Kg	☼	11/01/16 10:15	11/01/16 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		23 - 120	11/01/16 10:15	11/01/16 14:38	1
2-Fluorobiphenyl (Surr)	79		38 - 123	11/01/16 10:15	11/01/16 14:38	1
p-Terphenyl-d14	97		68 - 136	11/01/16 10:15	11/01/16 14:38	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)	ND		10		mg/Kg	☼	11/01/16 12:23	11/01/16 13:54	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	11/01/16 12:23	11/01/16 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	11/01/16 12:23	11/01/16 13:54	1
n-Triacontane-d62	93		50 - 150	11/01/16 12:23	11/01/16 13:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5		4.2		mg/Kg	☼	10/31/16 14:39	11/01/16 14:58	5

Client Sample ID: C-45

Lab Sample ID: 590-4855-6

Date Collected: 10/31/16 13:30

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 88.2

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	☼	11/01/16 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	1
Acenaphthylene	ND		0.011		mg/Kg	☼	11/01/16 10:15	11/01/16 15:02	1
Acenaphthene	ND		0.011		mg/Kg	☼	11/01/16 10:15	11/01/16 15:02	1
Fluorene	ND		0.011		mg/Kg	☼	11/01/16 10:15	11/01/16 15:02	1
Phenanthrene	0.073		0.011		mg/Kg	☼	11/01/16 10:15	11/01/16 15:02	1
Anthracene	0.019		0.011		mg/Kg	☼	11/01/16 10:15	11/01/16 15:02	1

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4855-6

Date Collected: 10/31/16 13:30

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.30		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Pyrene	0.27		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Benzo[a]anthracene	0.25		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Chrysene	0.31		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Benzo[b]fluoranthene	0.45		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Benzo[k]fluoranthene	0.15		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Benzo[a]pyrene	0.33		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Indeno[1,2,3-cd]pyrene	0.21		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Dibenz(a,h)anthracene	0.070		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Benzo[g,h,i]perylene	0.23		0.011		mg/Kg	⊛	11/01/16 10:15	11/01/16 15:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	51		23 - 120				11/01/16 10:15	11/01/16 15:02	1
2-Fluorobiphenyl (Surr)	66		38 - 123				11/01/16 10:15	11/01/16 15:02	1
p-Terphenyl-d14	96		68 - 136				11/01/16 10:15	11/01/16 15:02	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)	ND		11		mg/Kg	⊛	11/01/16 12:23	11/01/16 14:30	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	⊛	11/01/16 12:23	11/01/16 14:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				11/01/16 12:23	11/01/16 14:30	1
n-Triacontane-d62	97		50 - 150				11/01/16 12:23	11/01/16 14:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.8		4.1		mg/Kg	⊛	10/31/16 14:39	11/01/16 15:01	5

TestAmerica Spokane

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)

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Naphthalene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
2-Methylnaphthalene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
1-Methylnaphthalene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Acenaphthylene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Acenaphthene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Fluorene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Phenanthrene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Anthracene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Fluoranthene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Pyrene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Benzo[a]anthracene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Chrysene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Benzo[a]pyrene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg		11/01/16 10:15	11/01/16 11:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
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

TestAmerica Spokane

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

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	63		23 - 120
2-Fluorobiphenyl (Surr)	84		38 - 123
p-Terphenyl-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	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		11/01/16 12:23	11/01/16 13:20	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		11/01/16 12:23	11/01/16 13:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	93		50 - 150	11/01/16 12:23	11/01/16 13:20	1
n-Triacontane-d62	89		50 - 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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	67.1	70.8		mg/Kg		106	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.8	80.1		mg/Kg		120	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
o-Terphenyl	87		50 - 150
n-Triacontane-d62	89		50 - 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

Analyte	Sample Sample		DU DU		Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	⊛	4	40
Residual Range Organics (RRO) (C25-C36)	ND		ND	F5	mg/Kg	⊛	45	40

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
o-Terphenyl	91		50 - 150
n-Triacontane-d62	74		50 - 150

TestAmerica Spokane

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: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9363/2-A
 Matrix: Solid
 Analysis Batch: 9391

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9363

Analyte	MB Result	MB Qualifier	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
 Matrix: Solid
 Analysis Batch: 9391

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.4		mg/Kg		93	80 - 120

Lab Chronicle

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

Lab Sample ID: 590-4855-1

Date Collected: 10/31/16 10:30
 Date Received: 10/31/16 14:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-15

Lab Sample ID: 590-4855-1

Date Collected: 10/31/16 10:30
 Date Received: 10/31/16 14:20

Matrix: Solid

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 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

Lab Sample ID: 590-4855-2

Date Collected: 10/31/16 10:30
 Date Received: 10/31/16 14:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-16

Lab Sample ID: 590-4855-2

Date Collected: 10/31/16 10:30
 Date Received: 10/31/16 14:20

Matrix: Solid

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.94 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

Lab Sample ID: 590-4855-3

Date Collected: 10/31/16 11:00
 Date Received: 10/31/16 14:20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

TestAmerica Spokane

Lab Chronicle

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

Lab Sample ID: 590-4855-3

Date Collected: 10/31/16 11:00

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.78 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9382	11/01/16 14:12	NMI	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

Client Sample ID: C-25

Lab Sample ID: 590-4855-4

Date Collected: 10/31/16 11:00

Matrix: Solid

Date Received: 10/31/16 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Date Collected: 10/31/16 11:00

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.54 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

Lab Sample ID: 590-4855-5

Date Collected: 10/31/16 13:30

Matrix: Solid

Date Received: 10/31/16 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

Client Sample ID: C-44

Lab Sample ID: 590-4855-5

Date Collected: 10/31/16 13:30

Matrix: Solid

Date Received: 10/31/16 14:20

Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 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

TestAmerica Spokane

Lab Chronicle

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

Date Collected: 10/31/16 13:30

Date Received: 10/31/16 14:20

Lab Sample ID: 590-4855-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9364	10/31/16 14:56	NMI	TAL SPK

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

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.00 g	2 mL	9376	11/01/16 10:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9380	11/01/16 15:02	NMI	TAL SPK
Total/NA	Prep	3550C			15.77 g	5 mL	9385	11/01/16 12:23	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9383	11/01/16 14:30	NMI	TAL SPK
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	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: 590-4855-1

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 Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



TestAmerica

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
 503-906-9209 FAX 906-9210
 907-563-9200 FAX 563-9210

11/1/2016

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

10 STD	7 STD	5 STD	4 STD	3 STD	2 STD	1 STD
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

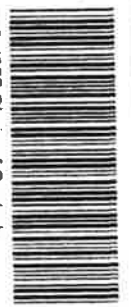
OTHER Specify: **Push!**

* Turnaround Request less than standard max. on all Rapid Checks

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC										
REPORT TO: Ted Sykes		PRESERVATIVE:										
ADDRESS: (425) 284-3300		P.O. NUMBER:										
PHONE: FAX:		PROJECT NAME: Sisters of the Holy Names										
PROJECT NUMBER: CS-4332.01		SAMPLING DATE/TIME:										
SAMPLED BY: Taylor Sealise (BTS)		REQUESTED ANALYSES:										
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	NWTPH-DX	CPAHs	TOTAL LEAD	RECEIVED BY:	DATE:	TIME:	PRINT NAME:	FIRM:	DATE:	TIME:	TEMP:
1 C-15	10/31 10:30	X	X	X	Cheryl Sykes	10/31/16	2:20 PM	Cheryl Sykes	779 Apex	10/31/16	1:30	71.8
2 C-16	10/31 10:30	X	X	X	Shirley Knox	10/31/16	1:30	Shirley Knox	779 Apex	10/31/16	1:30	71.8
3 C-24	10/31 11:00	X	X	X								
4 C-25	10/31 11:00	X	X	X								
5 C-44	10/31 1:30	X	X	X								
6 C-45	10/31 1:30	X	X	X								
7												
8												
9												
10												

RELEASED BY: Taylor Sealise FIRM: ESNUW DATE: 10/31/16 TIME: 2:20 PM
 RECEIVED BY: Cheryl Sykes DATE: 10/31/16 TIME: 1:30
 PRINT NAME: Taylor Sealise FIRM: ESNUW
 RECEIVED BY: Shirley Knox DATE: 10/31/16 TIME: 1:30
 PRINT NAME: Shirley Knox FIRM: 779 Apex

John Sealise



590-4855 Chain of Custody

TEMP: 71.8
 DATE: 10/31/16
 TIME: 1:30
 FIRM: 779 Apex

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4855-1

Login Number: 4855

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ ($1/4''$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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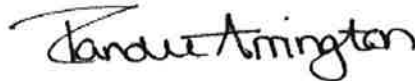
ANALYTICAL REPORT

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



*Authorized for release by:
11/3/2016 2:28:13 PM*

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

LINKS

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results through
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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/ES-4332.01

TestAmerica Job ID: 590-4874-1

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.

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: 590-4874-1

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

Definitions/Glossary

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

TestAmerica Job ID: 590-4874-1

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.
E	Result exceeded calibration range.

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.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.052	F1 F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
2-Methylnaphthalene	ND	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
1-Methylnaphthalene	ND	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Acenaphthylene	ND		0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Acenaphthene	0.084	F1 F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Fluorene	ND	F1 F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Phenanthrene	1.1	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Anthracene	0.27	F1 F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Fluoranthene	4.3	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Pyrene	3.7	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Benzo[a]anthracene	3.5	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Chrysene	4.1	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Benzo[b]fluoranthene	5.8	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Benzo[k]fluoranthene	2.0	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Benzo[a]pyrene	4.1	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Indeno[1,2,3-cd]pyrene	2.3	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Dibenz(a,h)anthracene	0.85	F1 F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5
Benzo[g,h,i]perylene	2.7	F2	0.050		mg/Kg	*	11/02/16 14:16	11/02/16 16:21	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	49		23 - 120	11/02/16 14:16	11/02/16 16:21	5
2-Fluorobiphenyl (Surr)	68		38 - 123	11/02/16 14:16	11/02/16 16:21	5
p-Terphenyl-d14	90		68 - 136	11/02/16 14:16	11/02/16 16:21	5

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

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

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	*	11/02/16 14:16	11/02/16 16:45	1
1-Methylnaphthalene	ND		0.010		mg/Kg	*	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	*	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	*	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	*	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	1
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	*	11/02/16 14:16	11/02/16 16:45	1

TestAmerica Spokane

Client Sample Results

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

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

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		68 - 136	11/02/16 14:16	11/02/16 16:45	1

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

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

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	*	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	*	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	*	11/02/16 14:16	11/02/16 17:08	1
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	*	11/02/16 14:16	11/02/16 17:08	1
Dibenz(a,h)anthracene	ND		0.012		mg/Kg	*	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-Terphenyl-d14	91		68 - 136	11/02/16 14:16	11/02/16 17:08	1

Client Sample ID: C-45A

Lab Sample ID: 590-4874-4

Date Collected: 11/02/16 09:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 95.8

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

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 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	*	11/02/16 14:16	11/02/16 17:34	1
Acenaphthene	ND		0.010		mg/Kg	*	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	*	11/02/16 14:16	11/02/16 17:34	1
Fluoranthene	ND		0.010		mg/Kg	*	11/02/16 14:16	11/02/16 17:34	1
Pyrene	ND		0.010		mg/Kg	*	11/02/16 14:16	11/02/16 17:34	1
Benzo[a]anthracene	ND		0.010		mg/Kg	*	11/02/16 14:16	11/02/16 17:34	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 95.8

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

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	☼	11/02/16 14:16	11/02/16 17:34	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☼	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	☼	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
p-Terphenyl-d14	100		68 - 136				11/02/16 14:16	11/02/16 17:34	1

Client Sample ID: C-46

Lab Sample ID: 590-4874-5

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.7

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 18:01	1
2-Methylnaphthalene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:01	1
1-Methylnaphthalene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:01	1
Acenaphthylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:01	1
Acenaphthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:01	1
Fluorene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:01	1
Phenanthrene	ND		0.011		mg/Kg	☼	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	☼	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	☼	11/02/16 14:16	11/02/16 18:01	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	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 Products (GC)

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 10:53	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	11/03/16 08:36	11/03/16 10:53	1

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4874-5

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	92		50 - 150	11/03/16 08:36	11/03/16 10:53	1
<i>n</i> -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	☼	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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.4

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 18:27	1
2-Methylnaphthalene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
1-Methylnaphthalene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Acenaphthylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Acenaphthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Fluorene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Phenanthrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Chrysene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Benzo[a]pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 18:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	33		23 - 120	11/02/16 14:16	11/02/16 18:27	1
<i>2-Fluorobiphenyl (Surr)</i>	53		38 - 123	11/02/16 14:16	11/02/16 18:27	1
<i>p</i> -Terphenyl-d14	89		68 - 136	11/02/16 14:16	11/02/16 18:27	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)	ND		11		mg/Kg	☼	11/03/16 08:36	11/03/16 11:20	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	11/03/16 08:36	11/03/16 11:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	94		50 - 150	11/03/16 08:36	11/03/16 11:20	1
<i>n</i> -Triaccontane-d62	88		50 - 150	11/03/16 08:36	11/03/16 11:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		2.0		mg/Kg	☼	11/02/16 13:02	11/03/16 11:29	2

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4874-7

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 92.0

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 18:53	1
2-Methylnaphthalene	ND		0.011		mg/Kg	*	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	1
Acenaphthylene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Acenaphthene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Fluorene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Phenanthrene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Anthracene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Fluoranthene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Pyrene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Benzo[a]anthracene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Chrysene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
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	*	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	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 18:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
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	1
p-Terphenyl-d14	86		68 - 136	11/02/16 14:16	11/02/16 18:53	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)	ND		11		mg/Kg	*	11/03/16 08:36	11/03/16 11:08	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	*	11/03/16 08:36	11/03/16 11:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	11/03/16 08:36	11/03/16 11:08	1
n-Triacontane-d62	91		50 - 150	11/03/16 08:36	11/03/16 11:08	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.8		mg/Kg	*	11/02/16 13:02	11/03/16 11:33	2

Client Sample ID: C-49

Lab Sample ID: 590-4874-8

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 91.4

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 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	*	11/02/16 14:16	11/02/16 19:19	1
Fluorene	ND		0.011		mg/Kg	*	11/02/16 14:16	11/02/16 19:19	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Chrysene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Benzo[a]pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	50		23 - 120				11/02/16 14:16	11/02/16 19:19	1
2-Fluorobiphenyl (Surr)	65		38 - 123				11/02/16 14:16	11/02/16 19:19	1
p-Terphenyl-d14	89		68 - 136				11/02/16 14:16	11/02/16 19:19	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)	ND		11		mg/Kg	☼	11/03/16 08:36	11/03/16 11:20	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	11/03/16 08:36	11/03/16 11:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150				11/03/16 08:36	11/03/16 11:20	1
n-Triacontane-d62	91		50 - 150				11/03/16 08:36	11/03/16 11:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		2.4		mg/Kg	☼	11/02/16 13:02	11/03/16 11:44	2

Client Sample ID: C-50

Lab Sample ID: 590-4874-9

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.0

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 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	☼	11/02/16 14:16	11/02/16 19:46	1
Fluorene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:46	1
Phenanthrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 19:46	1
Anthracene	ND		0.011		mg/Kg	☼	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	☼	11/02/16 14:16	11/02/16 19:46	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	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

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.0

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Rows include Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene, Dibenz(a,h)anthracene, Benzo[g,h,i]perylene, and Surrogate (Nitrobenzene-d5, 2-Fluorobiphenyl, p-Terphenyl-d14).

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Rows include Diesel Range Organics (DRO), Residual Range Organics (RRO), and Surrogate (o-Terphenyl, n-Triacontane-d62).

Method: 6010C - Metals (ICP)

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Row includes Lead.

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

Date Collected: 11/02/16 10:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.0

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

Table with 10 columns: Analyte, Result, Qualifier, RL, MDL, Unit, D, Prepared, Analyzed, Dil Fac. Rows include Naphthalene, 2-Methylnaphthalene, 1-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene, Dibenz(a,h)anthracene, Benzo[g,h,i]perylene.

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

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		68 - 136	11/02/16 14:16	11/02/16 20:12	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)	ND		11		mg/Kg	⊛	11/03/16 08:36	11/03/16 11:47	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	⊛	11/03/16 08:36	11/03/16 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	11/03/16 08:36	11/03/16 11:47	1
n-Triacontane-d62	92		50 - 150	11/03/16 08:36	11/03/16 11:47	1

Method: 6010C - Metals (ICP)

Analyte	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 Received: 11/02/16 12:33

Percent Solids: 87.5

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 20:38	1
2-Methylnaphthalene	ND		0.011		mg/Kg	⊛	11/02/16 14:16	11/02/16 20:38	1
1-Methylnaphthalene	ND		0.011		mg/Kg	⊛	11/02/16 14:16	11/02/16 20:38	1
Acenaphthylene	ND		0.011		mg/Kg	⊛	11/02/16 14:16	11/02/16 20:38	1
Acenaphthene	ND		0.011		mg/Kg	⊛	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	1
Phenanthrene	ND		0.011		mg/Kg	⊛	11/02/16 14:16	11/02/16 20:38	1
Anthracene	ND		0.011		mg/Kg	⊛	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	⊛	11/02/16 14:16	11/02/16 20:38	1
Chrysene	ND		0.011		mg/Kg	⊛	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	⊛	11/02/16 14:16	11/02/16 20:38	1
Benzo[a]pyrene	ND		0.011		mg/Kg	⊛	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

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4874-11

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 87.5

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	☼	11/03/16 08:36	11/03/16 11:33	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	11/03/16 08:36	11/03/16 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 11:33	1
<i>n</i> -Triacontane-d62	82		50 - 150				11/03/16 08:36	11/03/16 11:33	1

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	2

Client Sample ID: C-53

Lab Sample ID: 590-4874-12

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.2

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 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	☼	11/02/16 14:16	11/02/16 21:04	1
Acenaphthylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 21:04	1
Acenaphthene	ND		0.011		mg/Kg	☼	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	1
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	☼	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	☼	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	☼	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
<i>p</i> -Terphenyl-d14	98		68 - 136				11/02/16 14:16	11/02/16 21:04	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)	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	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	91		50 - 150				11/03/16 08:36	11/03/16 11:47	1

TestAmerica Spokane

Client Sample Results

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-53

Lab Sample ID: 590-4874-12

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.2

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>n</i> -Triacontane-d62	83		50 - 150	11/03/16 08:36	11/03/16 11:47	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.7		mg/Kg	⊛	11/02/16 13:02	11/03/16 11:57	2

Client Sample ID: C-54

Lab Sample ID: 590-4874-13

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 96.3

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

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 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	1
Acenaphthene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:31	1
Fluorene	ND		0.010		mg/Kg	⊛	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	⊛	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	⊛	11/02/16 14:16	11/02/16 21:31	1
Benzo[a]pyrene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:31	1
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	⊛	11/02/16 14:16	11/02/16 21:31	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Nitrobenzene-d5</i>	53		23 - 120	11/02/16 14:16	11/02/16 21:31	1
<i>2-Fluorobiphenyl (Surr)</i>	66		38 - 123	11/02/16 14:16	11/02/16 21:31	1
<i>p</i> -Terphenyl-d14	89		68 - 136	11/02/16 14:16	11/02/16 21:31	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)	ND		10		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:01	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	93		50 - 150	11/03/16 08:36	11/03/16 12:01	1
<i>n</i> -Triacontane-d62	89		50 - 150	11/03/16 08:36	11/03/16 12:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.5		2.0		mg/Kg	⊛	11/02/16 13:02	11/03/16 12:01	2

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 95.3

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

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 21:57	1
2-Methylnaphthalene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
1-Methylnaphthalene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Acenaphthylene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Acenaphthene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Fluorene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Phenanthrene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Anthracene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Fluoranthene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
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	1
Chrysene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Benzo[a]pyrene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	⊛	11/02/16 14:16	11/02/16 21:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	54		23 - 120	11/02/16 14:16	11/02/16 21:57	1
2-Fluorobiphenyl (Surr)	71		38 - 123	11/02/16 14:16	11/02/16 21:57	1
p-Terphenyl-d14	92		68 - 136	11/02/16 14:16	11/02/16 21:57	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)	ND		10		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:14	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	11/03/16 08:36	11/03/16 12:14	1
n-Triacontane-d62	87		50 - 150	11/03/16 08:36	11/03/16 12:14	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.9		1.7		mg/Kg	⊛	11/02/16 13:02	11/03/16 12:04	2

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

Percent Solids: 84.1

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

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 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	⊛	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

TestAmerica Spokane

Client Sample Results

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

Date Collected: 11/02/16 11:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Benzo[a]anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Chrysene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Benzo[b]fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Benzo[k]fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Benzo[a]pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Dibenz[a,h]anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1
Benzo[g,h,i]perylene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		23 - 120	11/02/16 14:16	11/02/16 22:23	1
2-Fluorobiphenyl (Surr)	72		38 - 123	11/02/16 14:16	11/02/16 22:23	1
p-Terphenyl-d14	89		68 - 136	11/02/16 14:16	11/02/16 22:23	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)	ND		11		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:01	1
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150	11/03/16 08:36	11/03/16 12:01	1
n-Triacontane-d62	96		50 - 150	11/03/16 08:36	11/03/16 12:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.8		2.4		mg/Kg	⊛	11/02/16 13:02	11/03/16 12:08	2

Client Sample ID: C-57

Lab Sample ID: 590-4874-16

Date Collected: 11/02/16 11:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 85.0

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

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 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	⊛	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	⊛	11/02/16 14:16	11/02/16 22:50	1
Fluorene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/02/16 22:50	1
Phenanthrene	ND		0.012		mg/Kg	⊛	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	⊛	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

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 85.0

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

Analyte	Result	Qualifier	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	☼	11/02/16 14:16	11/02/16 22:50	1
Benzo[a]pyrene	ND		0.012		mg/Kg	☼	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	☼	11/02/16 14:16	11/02/16 22:50	1
Benzo[g,h,i]perylene	ND		0.012		mg/Kg	☼	11/02/16 14:16	11/02/16 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		23 - 120				11/02/16 14:16	11/02/16 22:50	1
2-Fluorobiphenyl (Surr)	75		38 - 123				11/02/16 14:16	11/02/16 22:50	1
p-Terphenyl-d14	99		68 - 136				11/02/16 14:16	11/02/16 22:50	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)	ND		11		mg/Kg	☼	11/03/16 08:36	11/03/16 12:14	1
Residual Range Organics (RRO) (C25-C36)	ND		28		mg/Kg	☼	11/03/16 08:36	11/03/16 12:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 12:14	1
n-Triacontane-d62	103		50 - 150				11/03/16 08:36	11/03/16 12:14	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		2.3		mg/Kg	☼	11/02/16 13:02	11/03/16 12:11	2

Client Sample ID: C-58

Lab Sample ID: 590-4874-17

Date Collected: 11/02/16 11:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.4

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	☼	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	☼	11/02/16 14:16	11/02/16 23:16	1
Phenanthrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 23:16	1
Anthracene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 23:16	1
Fluoranthene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 23:16	1
Pyrene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 23:16	1
Benzo[a]anthracene	ND		0.011		mg/Kg	☼	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	☼	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	☼	11/02/16 14:16	11/02/16 23:16	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	11/02/16 14:16	11/02/16 23:16	1

TestAmerica Spokane

Client Sample Results

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

Lab Sample ID: 590-4874-17

Date Collected: 11/02/16 11:30

Matrix: Solid

Date Received: 11/02/16 12:33

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 - 136	11/02/16 14:16	11/02/16 23:16	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)	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	Qualifier	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)

Analyte	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

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	11/03/16 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	⊛	11/02/16 14:16	11/03/16 10:07	1
Fluorene	ND		0.011		mg/Kg	⊛	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	⊛	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]perylene	ND		0.011		mg/Kg	⊛	11/02/16 14:16	11/03/16 10:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		23 - 120	11/02/16 14:16	11/03/16 10:07	1
2-Fluorobiphenyl (Surr)	81		38 - 123	11/02/16 14:16	11/03/16 10:07	1
p-Terphenyl-d14	98		68 - 136	11/02/16 14:16	11/03/16 10:07	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 84.8

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	☼	11/03/16 08:36	11/03/16 12:46	1
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
<i>o</i> -Terphenyl	93		50 - 150				11/03/16 08:36	11/03/16 12:46	1
<i>n</i> -Triacotane-d62	101		50 - 150				11/03/16 08:36	11/03/16 12:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.7		2.1		mg/Kg	☼	11/02/16 13:02	11/03/16 12:26	2

Client Sample ID: C-60

Lab Sample ID: 590-4874-19

Date Collected: 11/02/16 11:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 95.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
2-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
1-Methylnaphthalene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
Acenaphthylene	ND		0.010		mg/Kg	☼	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	1
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	☼	11/02/16 14:16	11/03/16 00:08	1
Chrysene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	☼	11/02/16 14:16	11/03/16 00:08	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☼	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	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	☼	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	1
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	1
<i>p</i> -Terphenyl-d14	92		68 - 136				11/02/16 14:16	11/03/16 00:08	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)	ND		10		mg/Kg	☼	11/03/16 08:36	11/03/16 12:32	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	11/03/16 08:36	11/03/16 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o</i> -Terphenyl	87		50 - 150				11/03/16 08:36	11/03/16 12:32	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

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	Qualifier	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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
2-Methylnaphthalene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
1-Methylnaphthalene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Acenaphthylene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Acenaphthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Fluorene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Phenanthrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Benzo[a]anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Chrysene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Benzo[b]fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Benzo[k]fluoranthene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Benzo[a]pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Indeno[1,2,3-cd]pyrene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Dibenz[a,h]anthracene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1
Benzo[g,h,i]perylene	ND		0.012		mg/Kg	⊛	11/02/16 14:16	11/03/16 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	53		23 - 120	11/02/16 14:16	11/03/16 00:35	1
2-Fluorobiphenyl (Surr)	67		38 - 123	11/02/16 14:16	11/03/16 00:35	1
p-Terphenyl-d14	89		68 - 136	11/02/16 14:16	11/03/16 00:35	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)	ND		12		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:46	1
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	⊛	11/03/16 08:36	11/03/16 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	91		50 - 150	11/03/16 08:36	11/03/16 12:46	1
n-Triacontane-d62	89		50 - 150	11/03/16 08:36	11/03/16 12:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5		2.3		mg/Kg	⊛	11/02/16 13:02	11/03/16 12:33	2

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.4

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	*	11/03/16 08:15	11/03/16 12:08	1
2-Methylnaphthalene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
1-Methylnaphthalene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Acenaphthylene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Acenaphthene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Fluorene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Phenanthrene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Anthracene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Fluoranthene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Pyrene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Benzo[a]anthracene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Chrysene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Benzo[a]pyrene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Dibenz[a,h]anthracene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	62		23 - 120	11/03/16 08:15	11/03/16 12:08	1
2-Fluorobiphenyl (Surr)	78		38 - 123	11/03/16 08:15	11/03/16 12:08	1
p-Terphenyl-d14	100		68 - 136	11/03/16 08:15	11/03/16 12:08	1

Method: NWT PH-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	*	11/03/16 08:36	11/03/16 13:20	1
Residual Range Organics (RRO) (C25-C36)	ND		28		mg/Kg	*	11/03/16 08:36	11/03/16 13:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	11/03/16 08:36	11/03/16 13:20	1
n-Triacontane-d62	87		50 - 150	11/03/16 08:36	11/03/16 13:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		2.2		mg/Kg	*	11/02/16 13:02	11/03/16 12:36	2

Client Sample ID: C-63

Lab Sample ID: 590-4874-22

Date Collected: 11/02/16 12:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 85.1

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	*	11/03/16 08:15	11/03/16 12:34	1
2-Methylnaphthalene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:34	1
1-Methylnaphthalene	ND		0.011		mg/Kg	*	11/03/16 08:15	11/03/16 12:34	1
Acenaphthylene	ND		0.011		mg/Kg	*	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	*	11/03/16 08:15	11/03/16 12:34	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 85.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Anthracene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Fluoranthene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Pyrene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Benzo[a]anthracene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Chrysene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	⊛	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	1
Benzo[a]pyrene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Dibenz[a,h]anthracene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	⊛	11/03/16 08:15	11/03/16 12:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	48		23 - 120				11/03/16 08:15	11/03/16 12:34	1
2-Fluorobiphenyl (Surr)	61		38 - 123				11/03/16 08:15	11/03/16 12:34	1
p-Terphenyl-d14	82		68 - 136				11/03/16 08:15	11/03/16 12:34	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)	ND		12		mg/Kg	⊛	11/03/16 08:36	11/03/16 13:33	1
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	⊛	11/03/16 08:36	11/03/16 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	92		50 - 150				11/03/16 08:36	11/03/16 13:33	1
n-Triacontane-d62	87		50 - 150				11/03/16 08:36	11/03/16 13:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.5		2.4		mg/Kg	⊛	11/02/16 13:02	11/03/16 12:39	2

Client Sample ID: C-64

Lab Sample ID: 590-4874-23

Date Collected: 11/02/16 12:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 87.8

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	⊛	11/03/16 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	⊛	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	⊛	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	⊛	11/03/16 08:15	11/03/16 12:58	1

TestAmerica Spokane

Client Sample Results

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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Benzo[a]pyrene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Indeno[1,2,3-cd]pyrene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Dibenz(a,h)anthracene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Benzo[g,h,i]perylene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 12:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	55		23 - 120				11/03/16 08:15	11/03/16 12:58	1
2-Fluorobiphenyl (Surr)	68		38 - 123				11/03/16 08:15	11/03/16 12:58	1
p-Terphenyl-d14	82		68 - 136				11/03/16 08:15	11/03/16 12:58	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)	ND		11		mg/Kg	☼	11/03/16 08:36	11/03/16 13:20	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	☼	11/03/16 08:36	11/03/16 13:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	95		50 - 150				11/03/16 08:36	11/03/16 13:20	1
n-Triacontane-d62	98		50 - 150				11/03/16 08:36	11/03/16 13:20	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.7		2.1		mg/Kg	☼	11/02/16 13:02	11/03/16 12:43	2

Client Sample ID: C-65

Lab Sample ID: 590-4874-24

Date Collected: 11/02/16 12:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 86.8

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	☼	11/03/16 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	☼	11/03/16 08:15	11/03/16 13:21	1
Acenaphthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 13:21	1
Fluorene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 13:21	1
Phenanthrene	ND		0.011		mg/Kg	☼	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	☼	11/03/16 08:15	11/03/16 13:21	1
Chrysene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 13:21	1
Benzo[b]fluoranthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 13:21	1
Benzo[k]fluoranthene	ND		0.011		mg/Kg	☼	11/03/16 08:15	11/03/16 13:21	1
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	☼	11/03/16 08:15	11/03/16 13:21	1

TestAmerica Spokane

Client Sample Results

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

Date Received: 11/02/16 12:33

Percent Solids: 86.8

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) (C10-C25)	ND		11		mg/Kg	☼	11/03/16 08:36	11/03/16 13:33	1
Residual Range Organics (RRO) (C25-C36)	ND		29		mg/Kg	☼	11/03/16 08:36	11/03/16 13:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	93		50 - 150	11/03/16 08:36	11/03/16 13:33	1
n-Triacontane-d62	97		50 - 150	11/03/16 08:36	11/03/16 13:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.9		2.1		mg/Kg	☼	11/02/16 13:02	11/03/16 12:46	2



QC Sample Results

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
 Matrix: Solid
 Analysis Batch: 9405

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9410

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	1
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	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	1
p-Terphenyl-d14	108		68 - 136	11/02/16 14:16	11/02/16 14:45	1

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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
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

QC Sample Results

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	59		23 - 120
2-Fluorobiphenyl (Surr)	74		38 - 123
p-Terphenyl-d14	95		68 - 136

Lab Sample ID: 590-4874-1 MS
 Matrix: Solid
 Analysis Batch: 9405

Client Sample ID: C-36B
 Prep Type: Total/NA
 Prep Batch: 9410

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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	*	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	*	-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	*	-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	*	-491	58 - 147

Surrogate	MS %Recovery	MS 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	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

QC Sample Results

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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzo[a]anthracene	3.5	F2	0.266	10.6	4 F2	mg/Kg	☼	2659	61 - 136	148	148	35
Chrysene	4.1	F2	0.266	11.8	4 F2	mg/Kg	☼	2884	57 - 144	143	143	35
Benzo[b]fluoranthene	5.8	F2	0.266	16.8	E 4 F2	mg/Kg	☼	4154	66 - 141	146	146	35
Benzo[k]fluoranthene	2.0	F2	0.266	6.16	4 F2	mg/Kg	☼	1572	63 - 150	140	140	35
Benzo[a]pyrene	4.1	F2	0.266	12.3	4 F2	mg/Kg	☼	3079	60 - 133	145	145	35
Indeno[1,2,3-cd]pyrene	2.3	F2	0.266	7.59	4 F2	mg/Kg	☼	1984	55 - 142	142	142	35
Dibenz(a,h)anthracene	0.85	F1 F2	0.266	2.89	F1 F2	mg/Kg	☼	769	60 - 150	134	134	35
Benzo[g,h,i]perylene	2.7	F2	0.266	8.38	4 F2	mg/Kg	☼	2131	58 - 147	141	141	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

TestAmerica Spokane

QC Sample Results

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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	
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	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	61		23 - 120
2-Fluorobiphenyl (Surr)	77		38 - 123
p-Terphenyl-d14	88		68 - 136

Lab Sample ID: 590-4874-21 MS

Matrix: Solid

Analysis Batch: 9417

Client Sample ID: C-62

Prep Type: Total/NA

Prep Batch: 9416

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec	Limits
				Result	Qualifier					
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	*	65	46 - 131	
Acenaphthylene	ND		0.294	0.206		mg/Kg	*	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	

TestAmerica Spokane

QC Sample Results

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: 590-4874-21 MS
 Matrix: Solid
 Analysis Batch: 9417

Client Sample ID: C-62
 Prep Type: Total/NA
 Prep Batch: 9416

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Naphthalene	ND		0.298	0.176		mg/Kg	*	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

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	94		50 - 150	11/03/16 08:36	11/03/16 10:39	1

TestAmerica Spokane

QC Sample Results

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Residual Range Organics (RRO) (C25-C36)	66.8	64.0		mg/Kg		96	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☼	32	40

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
o-Terphenyl	96		50 - 150
n-Triacontane-d62	92		50 - 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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Residual Range Organics (RRO) (C25-C36)	ND		ND	F5	mg/Kg	☼	73	40

Surrogate	DU DU		Limits
	%Recovery	Qualifier	
o-Terphenyl	91		50 - 150
n-Triacontane-d62	85		50 - 150

TestAmerica Spokane

QC Sample Results

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

TestAmerica Job ID: 590-4874-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9406/2-A
 Matrix: Solid
 Analysis Batch: 9433

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9406

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.3		mg/Kg		11/02/16 13:02	11/03/16 11:09	1

Lab Sample ID: LCS 590-9406/1-A
 Matrix: Solid
 Analysis Batch: 9433

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9406

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Lead	50.0	50.2		mg/Kg		100	80 - 120

Lab Sample ID: 590-4874-5 MS
 Matrix: Solid
 Analysis Batch: 9433

Client Sample ID: C-46
 Prep Type: Total/NA
 Prep Batch: 9406

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Lead	15	F1 F2	54.7	109	F1	mg/Kg	⊛	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

Analyte	Sample Sample		Spike Added	MSD MSD		Unit	D	%Rec	%Rec. Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Lead	15	F1 F2	40.3	79.0	F1 F2	mg/Kg	⊛	159	75 - 125	32	20

Lab Sample ID: 590-4874-5 DU
 Matrix: Solid
 Analysis Batch: 9433

Client Sample ID: C-46
 Prep Type: Total/NA
 Prep Batch: 9406

Analyte	Sample Sample		DU	DU		Unit	D	RPD	RPD	
	Result	Qualifier		Result	Qualifier				RPD	Limit
Lead	15	F1 F2	17.1			mg/Kg	⊛	13		20

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-36B

Lab Sample ID: 590-4874-1

Date Collected: 11/02/16 09:00

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-36B

Lab Sample ID: 590-4874-1

Date Collected: 11/02/16 09:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		5			9405	11/02/16 16:21	NMI	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.87 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 16:45	NMI	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.20 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9405	11/02/16 17:08	NMI	TAL SPK

TestAmerica Spokane

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-45A

Date Collected: 11/02/16 09:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	DII Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.10 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK

TestAmerica Spokane

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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		1			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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.37 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.23 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

TestAmerica Spokane

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-50

Lab Sample ID: 590-4874-9

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-50

Lab Sample ID: 590-4874-9

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.48 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

Date Collected: 11/02/16 10:30

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-51

Lab Sample ID: 590-4874-10

Date Collected: 11/02/16 10:30

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.80 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

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

TestAmerica Spokane

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-52

Lab Sample ID: 590-4874-11

Date Collected: 11/02/16 11:00

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.40 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

Client Sample ID: C-53

Lab Sample ID: 590-4874-12

Date Collected: 11/02/16 10:00

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.19 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

Matrix: Solid

Date Received: 11/02/16 12:33

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid

Date Received: 11/02/16 12:33

Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.52 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

TestAmerica Spokane

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-54

Date Collected: 11/02/16 11:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-13

Matrix: Solid
 Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		2			9433	11/03/16 12:01	JSP	TAL SPK

Client Sample ID: C-55

Date Collected: 11/02/16 11:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-55

Date Collected: 11/02/16 11:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-14

Matrix: Solid
 Percent Solids: 95.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.81 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

Date Collected: 11/02/16 11:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-56

Date Collected: 11/02/16 11:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-15

Matrix: Solid
 Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.20 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			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		1			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 12:08	JSP	TAL SPK

TestAmerica Spokane



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-57

Date Collected: 11/02/16 11:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Matrix: Solid
 Percent Solids: 85.0

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	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	NMI	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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-17

Matrix: Solid
 Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 g	2 mL	9410	11/02/16 14:16	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

TestAmerica Spokane

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-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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.43 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

Client Sample ID: C-60

Date Collected: 11/02/16 11:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-60

Date Collected: 11/02/16 11:30
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-19

Matrix: Solid
 Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.57 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

Client Sample ID: C-61

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-61

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-20

Matrix: Solid
 Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.33 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

TestAmerica Spokane

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

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-20

Matrix: Solid
 Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		2			9433	11/03/16 12:33	JSP	TAL SPK

Client Sample ID: C-62

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-62

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-21

Matrix: Solid
 Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.28 g	2 mL	9416	11/03/16 08:15	EAF	TAL SPK
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	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 13:20	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 12:36	JSP	TAL SPK

Client Sample ID: C-63

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-63

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Lab Sample ID: 590-4874-22

Matrix: Solid
 Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.64 g	2 mL	9416	11/03/16 08:15	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 12:34	NMI	TAL SPK
Total/NA	Prep	3550C			15.22 g	5 mL	9418	11/03/16 08:36	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 13:33	NMI	TAL SPK
Total/NA	Prep	3050B			1.45 g	60 mL	9406	11/02/16 13:02	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9433	11/03/16 12:39	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-64

Lab Sample ID: 590-4874-23

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.13 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

Lab Sample ID: 590-4874-24

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9412	11/02/16 14:32	EAF	TAL SPK

Client Sample ID: C-65

Lab Sample ID: 590-4874-24

Date Collected: 11/02/16 12:00
 Date Received: 11/02/16 12:33

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	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



TestAmerica

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

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

Business Days
 Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses
 Other Specify: **RUSH!**

CLIENT: **Earth Solutions NW**
 REPORT TO: **Ted Sykes**
 ADDRESS: **(425) 284-3300**
 PHONE: **FAX:**
 PROJECT NAME: **Systems of the Holy Names**
 PROJECT NUMBER: **ES-4332.01**

INVOICE TO: **Earth Solutions NW, LLC**
 P.O. NUMBER:
 PRESERVATIVE:
 REQUESTED ANALYSES:

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	DATE	TIME	RECEIVED BY	PRINT NAME	FIRM	DATE	TIME	TA WO ID
1. C-36B	10/21/16	9am							
2. C-37B		9:15am							
3. C-31B		9:30am							
4. C-45A		9:30am							
5. C-46		10am							
6. C-47									
7. C-48									
8. C-49									
9. C-50									
10. C-51		10:30am							

RELEASED BY: **Megan Rospaick** FIRM: **ESNW** DATE: **11/2/16** TIME: **2:30pm**
 RECEIVED BY: **Sharon Pritchard** FIRM: **Thorp** DATE: **11/8/16** TIME: **1:33**
 ADDITIONAL REMARKS:



590-4874 Chain of Custody

TEMP: **15°C** DATE: **11/8/16**
 PAGE: **1** OF: **3**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

11922 E. First Ave., Spokane WA 99206-5302 509-924-9200 FAX 924-9290
 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 503-906-9200 FAX 906-9210
 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analysis: 10 7 5 4 3 2 1 <1

Petroleum Hydrocarbon Analysis: 5 4 3 2 1 <1

OTHER Specify: _____

* Turnaround Requesters test from standard only on or with 10/10/10

CLIENT: Earth Solutions NW		INVOICE TO:		TURNAROUND REQUEST	
REPORT TO: Ted Sykes		PRESERVATIVE:		Organic & Inorganic Analysis: <input type="checkbox"/> 10 <input type="checkbox"/> 7 <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1	
ADDRESS: 4251 284-3300		P.O. NUMBER:		Petroleum Hydrocarbon Analysis: <input type="checkbox"/> 5 <input type="checkbox"/> 4 <input type="checkbox"/> 3 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> <1	
PHONE: _____		PROJECT NAME: Sisters of the Holy Names		OTHER Specify: _____	
FAX: _____		PROJECT NUMBER: ES-4332.01		* Turnaround Requesters test from standard only on or with 10/10/10	
SAMPLER BY: Megan E. Popsnick (WER)		REQUESTED ANALYSES:		MATRIX (W.S.O.)	
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	CP	TH	NUM	# OF CONT.
1. C-62	11/21/16 12pm	X	X	X	LOCATIONS/ COMMENTS
2. C-63		X	X	X	TA WQ ID
3. C-64		X	X	X	
4. C-65		X	X	X	
5.					
6.					
7.					
8.					
9.					
10.					
RELEASED BY: Megan Popsnick	DATE: 11/21/16	RECEIVED BY: Steve Popsnick	DATE: 11/21/16	TEMP: 4.3C	TIME: 3 of 3
PRINT NAME: Megan Popsnick	DATE: 11/21/16	PRINT NAME: Steve Popsnick	DATE: 11/21/16	TIME: 12:33	
PRINT NAME: _____	DATE: _____	PRINT NAME: _____	DATE: _____	TIME: _____	
PRINT NAME: _____	DATE: _____	PRINT NAME: _____	DATE: _____	TIME: _____	
ADDITIONAL REMARKS: _____					

12005 (10/17/14)

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4874-1

Login Number: 4874

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 <math><6\text{mm}</math> (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: 590-4900-1
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

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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

TestAmerica Job ID: 590-4900-1

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 VOA

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.

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



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.
X	Surrogate is outside control limits

Glossary

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

Client Sample Results

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

Date Collected: 11/03/16 10:00

Matrix: Solid

Date Received: 11/03/16 14:20

Percent Solids: 91.5

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	*	11/03/16 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	Qualifier	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

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	*	11/03/16 14:26	11/03/16 16:14	1
Residual Range Organics (RRO) (C25-C36)	ND		27		mg/Kg	*	11/03/16 14:26	11/03/16 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	102		50 - 150	11/03/16 14:26	11/03/16 16:14	1
n-Triacontane-d62	103		50 - 150	11/03/16 14:26	11/03/16 16:14	1

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

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

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

TestAmerica Spokane

Client Sample Results

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-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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.11		0.0098		mg/Kg	☼	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	☼	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	1
Benzo[a]pyrene	0.14		0.0098		mg/Kg	☼	11/03/16 14:31	11/03/16 16:25	1
Indeno[1,2,3-cd]pyrene	0.088		0.0098		mg/Kg	☼	11/03/16 14:31	11/03/16 16:25	1
Dibenz(a,h)anthracene	0.031		0.0098		mg/Kg	☼	11/03/16 14:31	11/03/16 16:25	1
Benzo[g,h,i]perylene	0.10		0.0098		mg/Kg	☼	11/03/16 14:31	11/03/16 16:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	61		23 - 120				11/03/16 14:31	11/03/16 16:25	1
2-Fluorobiphenyl (Surr)	77		38 - 123				11/03/16 14:31	11/03/16 16:25	1
p-Terphenyl-d14	92		68 - 136				11/03/16 14:31	11/03/16 16:25	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)	ND		10		mg/Kg	☼	11/03/16 14:26	11/03/16 16:32	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	11/03/16 14:26	11/03/16 16:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	96		50 - 150				11/03/16 14:26	11/03/16 16:32	1
n-Triacontane-d62	97		50 - 150				11/03/16 14:26	11/03/16 16:32	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		1.8		mg/Kg	☼	11/03/16 15:19	11/04/16 15:57	2

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

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

Analyte	Result	Qualifier	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	☼	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	☼	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

TestAmerica Spokane

Client Sample Results

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

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

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 - Northwest - Semi-Volatile Petroleum Products (GC)

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	109		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

Lab Sample ID: 590-4900-4

Date Collected: 11/03/16 13:30

Matrix: Solid

Date Received: 11/03/16 14:20

Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
2-Methylnaphthalene	ND		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
1-Methylnaphthalene	ND		1.0		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		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Phenanthrene	5.5		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Anthracene	1.5		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Fluoranthene	26		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Pyrene	24		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Benzo[a]anthracene	21		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Chrysene	28		1.0		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		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Benzo[a]pyrene	30		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Indeno[1,2,3-cd]pyrene	19		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Dibenz(a,h)anthracene	6.0		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Benzo[g,h,i]perylene	22		1.0		mg/Kg	⊛	11/03/16 14:31	11/03/16 17:18	100
Surrogate	%Recovery	Qualifier	Limits				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

TestAmerica Spokane

Client Sample Results

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

Date Collected: 11/03/16 13:30

Matrix: Solid

Date Received: 11/03/16 14:20

Percent Solids: 94.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>p</i> -Terphenyl-d14	103		68 - 136	11/03/16 14:31	11/03/16 17:18	100

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)	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
<i>o</i> -Terphenyl	282	X	50 - 150	11/03/16 14:26	11/03/16 17:07	20
<i>n</i> -Triacontane-d62	664	X	50 - 150	11/03/16 14:26	11/03/16 17:07	20

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		2.0		mg/Kg	*	11/03/16 15:19	11/04/16 16:25	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
 Matrix: Solid
 Analysis Batch: 9417

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9416

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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
 Analysis Batch: 9417

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9416

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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
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

TestAmerica Spokane

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) (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

Surrogate	LCS		Limits
	%Recovery	Qualifier	
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

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		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

Surrogate	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-Terphenyl	99		50 - 150	11/03/16 13:14	11/03/16 15:23	1
n-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

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	67.1	61.6		mg/Kg		92	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.8	62.9		mg/Kg		94	50 - 150

Surrogate	LCS		Limits
	%Recovery	Qualifier	
o-Terphenyl	95		50 - 150
n-Triacontane-d62	102		50 - 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

Analyte	Sample Result	Sample Qualifier	DU		Unit	D	RPD	Limit
			Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	✘	36	40
Residual Range Organics (RRO) (C25-C36)	ND		ND	F5	mg/Kg	✘	78	40

Surrogate	DU		Limits
	%Recovery	Qualifier	
o-Terphenyl	94		50 - 150
n-Triacontane-d62	92		50 - 150

TestAmerica Spokane

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: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9436/2-A
 Matrix: Solid
 Analysis Batch: 9461

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9436

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3		mg/Kg		11/03/16 15:19	11/04/16 15:44	1

Lab Sample ID: LCS 590-9436/1-A
 Matrix: Solid
 Analysis Batch: 9461

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9436

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	45.5		mg/Kg		91	80 - 120

Lab Sample ID: 590-4900-2 MS
 Matrix: Solid
 Analysis Batch: 9461

Client Sample ID: C-66
 Prep Type: Total/NA
 Prep Batch: 9436

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	6.1		51.1	52.8		mg/Kg	☒	91	75 - 125

Lab Sample ID: 590-4900-2 MSD
 Matrix: Solid
 Analysis Batch: 9461

Client Sample ID: C-66
 Prep Type: Total/NA
 Prep Batch: 9436

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	6.1		48.6	50.8		mg/Kg	☒	92	75 - 125	4	20

Lab Sample ID: 590-4900-2 DU
 Matrix: Solid
 Analysis Batch: 9461

Client Sample ID: C-66
 Prep Type: Total/NA
 Prep Batch: 9436

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	6.1		6.33		mg/Kg	☒	4	20

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

Date Collected: 11/03/16 10:00

Matrix: Solid

Date Received: 11/03/16 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

Client Sample ID: C-20A

Lab Sample ID: 590-4900-1

Date Collected: 11/03/16 10:00

Matrix: Solid

Date Received: 11/03/16 14:20

Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.35 g	2 mL	9416	11/03/16 14:31	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		1			9417	11/03/16 15:59	NMI	TAL SPK
Total/NA	Prep	3550C			15.44 g	5 mL	9435	11/03/16 14:26	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9424	11/03/16 16:14	NMI	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.67 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	Prep	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

Date Collected: 11/03/16 13:30

Matrix: Solid

Date Received: 11/03/16 14:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

TestAmerica Spokane

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

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 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

Date Collected: 11/03/16 13:30
 Date Received: 11/03/16 14:20

Lab Sample ID: 590-4900-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9437	11/03/16 15:39	EAF	TAL SPK

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.80 g	2 mL	9416	11/03/16 14:31	EAF	TAL SPK
Total/NA	Analysis	8270D SIM		100			9417	11/03/16 17:18	NMI	TAL SPK
Total/NA	Prep	3550C			15.55 g	5 mL	9435	11/03/16 14:26	EAF	TAL SPK
Total/NA	Analysis	NWTPH-Dx		20			9424	11/03/16 17:07	NMI	TAL SPK
Total/NA	Prep	3050B			1.35 g	50 mL	9436	11/03/16 15:19	JSP	TAL SPK
Total/NA	Analysis	6010C		2			9461	11/04/16 16:25	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: 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	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



TestAmerica

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

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analytes: 10 7 5 4 3 2 1 0

Petroleum Hydrocarbon Analytes: 5 4 3 2 1 0

OTHER: Specify: **RUSH!**

* Turnaround Request less than standard may incur Rush Charges

CLIENT: Earth Solutions NW, LLC		INVOICE TO: Earth Solutions NW, LLC	
REPORT TO: Ted Sykes		PRESERVATIVE:	
ADDRESS: (425) 284-3300		P.O. NUMBER:	
PHONE: (425) 284-3300		PROJECT NAME: Sisters of the Holy Names	
PROJECT NUMBER: ES-4332.01		SAMPLER BY: Megan E. Rolsnick	
SAMPLED BY: Megan E. Rolsnick		CLIENT SAMPLE IDENTIFICATION	
SAMPLING DATE/TIME		REQUESTED ANALYSES	
1	C-20A 11/3/16 10am	X	THM
2	C-66 1:30pm	X	CPATH
3	C-67	X	Total lead
4	SP-1	X	
5			
6			
7			
8			
9			
10			
RELEASED BY: Megan Rolsnick	FIRM: ESNW	DATE: 11/3/16	RECEIVED BY: Shelia Knate
PRINT NAME:	FIRM:	DATE:	PRINT NAME:
RELEASED BY:	FIRM:	DATE:	PRINT NAME:
ADDITIONAL REMARKS:	FIRM:	DATE:	PRINT NAME:



590-4900 Chain of Custody

TEMP: **11/3/16**
 TIME: **11:31 AM**
 PAGE: **11/3**
 OR: **11/3/16**

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4900-1

Login Number: 4900
List Number: 1
Creator: Kratz, Sheila J

List Source: TestAmerica Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ (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

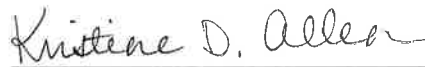
ANALYTICAL REPORT

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

TestAmerica Job ID: 590-4917-1
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



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

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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/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

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
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/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

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 96.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
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	*	11/07/16 09:05	11/07/16 12:45	1
Acenaphthylene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Acenaphthene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Fluorene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Phenanthrene	0.012		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Anthracene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Fluoranthene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Pyrene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Benzo[a]anthracene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Chrysene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Benzo[b]fluoranthene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Benzo[k]fluoranthene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Benzo[a]pyrene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Indeno[1,2,3-cd]pyrene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Dibenz[a,h]anthracene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1
Benzo[g,h,i]perylene	ND		0.0099		mg/Kg	*	11/07/16 09:05	11/07/16 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	66		23 - 120	11/07/16 09:05	11/07/16 12:45	1
2-Fluorobiphenyl (Surr)	91		38 - 123	11/07/16 09:05	11/07/16 12:45	1
p-Terphenyl-d14	127		68 - 136	11/07/16 09:05	11/07/16 12:45	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)	ND		10		mg/Kg	*	11/07/16 10:22	11/07/16 12:54	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	*	11/07/16 10:22	11/07/16 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	94		50 - 150	11/07/16 10:22	11/07/16 12:54	1
n-Triacontane-d62	85		50 - 150	11/07/16 10:22	11/07/16 12:54	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		2.1		mg/Kg	*	11/04/16 12:45	11/07/16 13:49	2

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

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

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 13:11	1
2-Methylnaphthalene	ND		0.010		mg/Kg	*	11/07/16 09:05	11/07/16 13:11	1
1-Methylnaphthalene	ND		0.010		mg/Kg	*	11/07/16 09:05	11/07/16 13:11	1
Acenaphthylene	ND		0.010		mg/Kg	*	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

TestAmerica Spokane

Client Sample Results

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-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

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	0.011		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Anthracene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Fluoranthene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Pyrene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Benzo[a]anthracene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Chrysene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Benzo[b]fluoranthene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Benzo[k]fluoranthene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Benzo[a]pyrene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Indeno[1,2,3-cd]pyrene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 13:11	1
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	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)	ND		9.9		mg/Kg	☼	11/07/16 10:22	11/07/16 13:12	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	11/07/16 10:22	11/07/16 13:12	1
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	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		2.1		mg/Kg	☼	11/04/16 12:45	11/07/16 14:06	2

Client Sample ID: C-70

Lab Sample ID: 590-4917-3

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
2-Methylnaphthalene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
1-Methylnaphthalene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Acenaphthylene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Acenaphthene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Fluorene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Phenanthrene	ND		0.0099		mg/Kg	☼	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	☼	11/07/16 09:05	11/07/16 13:35	1
Benzo[a]anthracene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1
Chrysene	ND		0.0099		mg/Kg	☼	11/07/16 09:05	11/07/16 13:35	1

TestAmerica Spokane

Client Sample Results

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-70

Lab Sample ID: 590-4917-3

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 97.3

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

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	☼	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	1
Dibenz(a,h)anthracene	ND		0.0099		mg/Kg	☼	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	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		23 - 120				11/07/16 09:05	11/07/16 13:35	1
2-Fluorobiphenyl (Surr)	96		38 - 123				11/07/16 09:05	11/07/16 13:35	1
p-Terphenyl-d14	123		68 - 136				11/07/16 09:05	11/07/16 13:35	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)	ND		9.9		mg/Kg	☼	11/07/16 10:22	11/07/16 13:31	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	11/07/16 10:22	11/07/16 13:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl	88		50 - 150				11/07/16 10:22	11/07/16 13:31	1
n-Triacontane-d62	80		50 - 150				11/07/16 10:22	11/07/16 13:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		2.0		mg/Kg	☼	11/04/16 12:45	11/07/16 14:09	2

Client Sample ID: C-71

Lab Sample ID: 590-4917-4

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 96.0

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

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	☼	11/07/16 09:05	11/07/16 14:01	1
Acenaphthylene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1
Acenaphthene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1
Fluorene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1
Phenanthrene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1
Anthracene	ND		0.010		mg/Kg	☼	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	☼	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	☼	11/07/16 09:05	11/07/16 14:01	1
Dibenz(a,h)anthracene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1
Benzo[g,h,i]perylene	ND		0.010		mg/Kg	☼	11/07/16 09:05	11/07/16 14:01	1

TestAmerica Spokane

Client Sample Results

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-71

Lab Sample ID: 590-4917-4

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

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
p-Terphenyl-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) (C10-C25)	ND		10		mg/Kg	⊛	11/07/16 10:22	11/07/16 13:49	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	⊛	11/07/16 10:22	11/07/16 13:49	1

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
Lead	5.8		2.1		mg/Kg	⊛	11/04/16 12:45	11/07/16 14:13	2

Client Sample ID: C-72

Lab Sample ID: 590-4917-5

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 94.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.20		mg/Kg	⊛	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	⊛	11/07/16 09:05	11/07/16 14:26	20
Fluoranthene	2.6		0.20		mg/Kg	⊛	11/07/16 09:05	11/07/16 14:26	20
Pyrene	2.4		0.20		mg/Kg	⊛	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	⊛	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	⊛	11/07/16 09:05	11/07/16 14:26	20
Benzo[a]pyrene	2.7		0.20		mg/Kg	⊛	11/07/16 09:05	11/07/16 14:26	20
Indeno[1,2,3-cd]pyrene	1.7		0.20		mg/Kg	⊛	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

TestAmerica Spokane

Client Sample Results

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

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 94.4

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)	160		100		mg/Kg	⊛	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
<i>o</i> -Terphenyl	118		50 - 150				11/07/16 10:22	11/07/16 13:12	10
<i>n</i> -Triacontane-d62	168	X	50 - 150				11/07/16 10:22	11/07/16 13:12	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.9		mg/Kg	⊛	11/04/16 12:45	11/07/16 14:24	2

QC Sample Results

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	1
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	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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
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

TestAmerica Spokane

QC Sample Results

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
 Matrix: Solid
 Analysis Batch: 9463

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9469

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	79		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
p-Terphenyl-d14	124		68 - 136

Lab Sample ID: 590-4917-1 MS
 Matrix: Solid
 Analysis Batch: 9463

Client Sample ID: C-68
 Prep Type: Total/NA
 Prep Batch: 9469

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
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	*	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	*	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	*	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

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
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

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						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

TestAmerica Spokane

QC Sample Results

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
 Analysis Batch: 9463

Client Sample ID: C-68
 Prep Type: Total/NA
 Prep Batch: 9469

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier							
Benzo[a]anthracene	ND		0.270	0.276		mg/Kg	☼	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	☼	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	☼	98	60 - 150	3	35	
Benzo[g,h,i]perylene	ND		0.270	0.265		mg/Kg	☼	98	58 - 147	4	35	
MSD MSD												
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
 Prep Type: Total/NA
 Prep Batch: 9474

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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		mg/Kg		11/07/16 10:22	11/07/16 12:37	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits		Prepared		Analyzed		Dil Fac
o-Terphenyl	64		50 - 150		11/07/16 10:22		11/07/16 12:37		1
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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Added	Result				
Diesel Range Organics (DRO) (C10-C25)	67.1	60.6		mg/Kg		90	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.8	61.6		mg/Kg		92	50 - 150
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
o-Terphenyl	93		50 - 150				
n-Triacontane-d62	91		50 - 150				

TestAmerica Spokane

QC Sample Results

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

TestAmerica Job ID: 590-4917-1

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

Lab Sample ID: 590-4917-1 DU

Client Sample ID: C-68

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9475

Prep Batch: 9474

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☼	3	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☼	27	40
Surrogate	DU	DU	%Recovery	Qualifier	Limits			
<i>o</i> -Terphenyl	97				50 - 150			
<i>n</i> -Triacontane-d62	88				50 - 150			

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 590-9457/2-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9486

Prep Batch: 9457

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.025		mg/Kg		11/04/16 12:45	11/07/16 13:47	1

Lab Sample ID: LCS 590-9457/1-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9486

Prep Batch: 9457

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

Lab Sample ID: 590-4917-1 MS

Client Sample ID: C-68

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9486

Prep Batch: 9457

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Lead	6.1		52.2	60.2		mg/Kg	☼	104	75 - 125

Lab Sample ID: 590-4917-1 MSD

Client Sample ID: C-68

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9486

Prep Batch: 9457

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Lead	6.1		51.7	57.4		mg/Kg	☼	99	75 - 125	5	20

Lab Sample ID: 590-4917-1 DU

Client Sample ID: C-68

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 9486

Prep Batch: 9457

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier		Result				
Lead	6.1		7.65	F5	mg/Kg	☼	23	20

TestAmerica Spokane

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-68

Date Collected: 11/04/16 10:00
 Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

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
 Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.63 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	NMI	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

Client Sample ID: C-69

Date Collected: 11/04/16 10:00
 Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

Client Sample ID: C-69

Date Collected: 11/04/16 10:00
 Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-2

Matrix: Solid
 Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.16 g	2 mL	9469	11/07/16 09:05	NMI	TAL SPK
Total/NA	Analysis	8270D SIM		1			9463	11/07/16 13:11	NMI	TAL SPK
Total/NA	Prep	3550C			15.56 g	5 mL	9474	11/07/16 10:22	NMI	TAL SPK
Total/NA	Analysis	NWTPH-Dx		1			9475	11/07/16 13:12	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 14:06	JSP	TAL SPK

Client Sample ID: C-70

Date Collected: 11/04/16 10:00
 Date Received: 11/04/16 10:25

Lab Sample ID: 590-4917-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			9447	11/04/16 12:27	EAF	TAL SPK

TestAmerica Spokane

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-70

Lab Sample ID: 590-4917-3

Date Collected: 11/04/16 10:00
 Date Received: 11/04/16 10:25

Matrix: Solid
 Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.50 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

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.22 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

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.57 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

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

Date Collected: 11/04/16 10:00

Matrix: Solid

Date Received: 11/04/16 10:25

Percent Solids: 94.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

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.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

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



TestAmerica

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 906-9710
 907-563-9200 FAX 563-9210

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

In Business Days*

Organic & Inorganic Analyses
 Petroleum Hydrocarbon Analyses

10	7	5	4	3	2	1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OTHER Specify: **RUSH!**

CLIENT: **Earth Solutions NW, LLC**
 REPORT TO: **Ted Sykes**
 ADDRESS: **(425) 284-3300**
 PHONE: **FAX:**

INVOICE TO: **Earth Solutions NW, LLC**
 P.O. NUMBER:

PROJECT NUMBER: **ES-4332.01**

SAMPLED BY: **Megan E. Poknick**

CLIENT SAMPLE IDENTIFICATION

CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	REQUESTED ANALYSES	PRESERVATIVE
1 C-68	11/9/16 10am	X Nitrogen X PCBs X Total PCBs	
2 C-69		X X X	
3 C-70		X X X	
4 C-71		X X X	
5 C-72		X X X	
6			
7			
8			
9			
10			

MATRIX (W. S. O.)	# OF CONT.	LOCATION/ COMMENTS	TA W/O ID

RELEASED BY: **Megan Poknick**
 PRINT NAME: **Megan Poknick**
 FIRM: **ESNW**

DATE: **11/9/16**
 TIME: **10:35am**

RECEIVED BY: **Shelia Probst**
 PRINT NAME: **Shelia Probst**
 FIRM: **TRC Spok**
 DATE: **11/9/16**
 TIME: **10:35**

ADDITIONAL REMARKS:

FIRM:

FIRM:



590-4917 Chain of Custody

TEMP: **6.0C**
 PRESS: **1000**
 1000 (4713)

Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4917-1

Login Number: 4917

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 <math><6\text{mm}</math> (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



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

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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: 590-4927-1

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



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.
□	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

Lab Sample ID: 590-4927-1

Date Collected: 11/07/16 07:10

Matrix: Solid

Date Received: 11/07/16 08:55

Percent Solids: 97.9

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

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-Methylnaphthalene	ND		0.010		mg/Kg	*	11/07/16 09:08	11/07/16 16:59	1
1-Methylnaphthalene	ND		0.010		mg/Kg	*	11/07/16 09:08	11/07/16 16:59	1
Acenaphthylene	ND		0.010		mg/Kg	*	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	*	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	*	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	*	11/07/16 09:08	11/07/16 16:59	1
Benzo[b]fluoranthene	0.37		0.010		mg/Kg	*	11/07/16 09:08	11/07/16 16:59	1
Benzo[k]fluoranthene	0.13		0.010		mg/Kg	*	11/07/16 09:08	11/07/16 16:59	1
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	*	11/07/16 09:08	11/07/16 16:59	1
Benzo[g,h,i]perylene	0.20		0.010		mg/Kg	*	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

Lab Sample ID: 590-4927-2

Date Collected: 11/07/16 07:28

Matrix: Solid

Date Received: 11/07/16 08:55

Percent Solids: 98.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0096		mg/Kg	*	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
1-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	*	11/07/16 09:08	11/07/16 15:17	1
Phenanthrene	0.022		0.0096		mg/Kg	*	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	*	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	*	11/07/16 09:08	11/07/16 15:17	1
Chrysene	0.086		0.0096		mg/Kg	*	11/07/16 09:08	11/07/16 15:17	1
Benzo[b]fluoranthene	0.12		0.0096		mg/Kg	*	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	*	11/07/16 09:08	11/07/16 15:17	1
Indeno[1,2,3-cd]pyrene	0.046		0.0096		mg/Kg	*	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
Benzo[g,h,i]perylene	0.059		0.0096		mg/Kg	*	11/07/16 09:08	11/07/16 15:17	1

TestAmerica Spokane

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

Lab Sample ID: 590-4927-2

Date Collected: 11/07/16 07:28

Matrix: Solid

Date Received: 11/07/16 08:55

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

QC Sample Results

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)

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	1
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	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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
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

TestAmerica Spokane

QC Sample Results

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

Surrogate	LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	79		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
p-Terphenyl-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

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Lab Sample ID: 590-4927-1

Matrix: Solid
 Percent Solids: 97.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.21 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.89 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
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4927-1

Login Number: 4927

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ (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: 590-4936-1
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

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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.

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.
□	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

Lab Sample ID: 590-4936-1

Date Collected: 11/08/16 07:43

Matrix: Solid

Date Received: 11/08/16 08:30

Percent Solids: 97.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.0097		mg/Kg	*	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	*	11/08/16 09:05	11/08/16 13:06	1
Acenaphthylene	ND		0.0097		mg/Kg	*	11/08/16 09:05	11/08/16 13:06	1
Acenaphthene	ND		0.0097		mg/Kg	*	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	*	11/08/16 09:05	11/08/16 13:06	1
Anthracene	ND		0.0097		mg/Kg	*	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	*	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	*	11/08/16 09:05	11/08/16 13:06	1
Benzo[k]fluoranthene	ND		0.0097		mg/Kg	*	11/08/16 09:05	11/08/16 13:06	1
Benzo[a]pyrene	ND		0.0097		mg/Kg	*	11/08/16 09:05	11/08/16 13:06	1
Indeno[1,2,3-cd]pyrene	ND		0.0097		mg/Kg	*	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

Lab Sample ID: 590-4936-2

Date Collected: 11/08/16 07:54

Matrix: Solid

Date Received: 11/08/16 08:30

Percent Solids: 97.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.010		mg/Kg	*	11/08/16 09:05	11/08/16 13:32	1
2-Methylnaphthalene	ND		0.010		mg/Kg	*	11/08/16 09:05	11/08/16 13:32	1
1-Methylnaphthalene	ND		0.010		mg/Kg	*	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	1
Acenaphthene	ND		0.010		mg/Kg	*	11/08/16 09:05	11/08/16 13:32	1
Fluorene	ND		0.010		mg/Kg	*	11/08/16 09:05	11/08/16 13:32	1
Phenanthrene	ND		0.010		mg/Kg	*	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	*	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	*	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	*	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
Benzo[a]pyrene	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	*	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

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

Date Received: 11/08/16 08:30

Percent Solids: 97.9

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
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

QC Sample Results

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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		0.010		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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5	79		23 - 120	11/08/16 09:05	11/08/16 11:02	1
2-Fluorobiphenyl (Surr)	97		38 - 123	11/08/16 09:05	11/08/16 11:02	1
p-Terphenyl-d14	120		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

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
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

QC Sample Results

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
 Matrix: Solid
 Analysis Batch: 9489

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9494

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	76		23 - 120
2-Fluorobiphenyl (Surr)	96		38 - 123
p-Terphenyl-d14	116		68 - 136

Lab Sample ID: LCSD 590-9494/3-A
 Matrix: Solid
 Analysis Batch: 9489

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 9494

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5	80		23 - 120
2-Fluorobiphenyl (Surr)	102		38 - 123
p-Terphenyl-d14	126		68 - 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	RPD
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	☼	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	☼	93	62 - 139	

TestAmerica Spokane

QC Sample Results

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

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Benzo[a]anthracene	ND		0.268	0.270		mg/Kg	☼	100	61 - 136	
Chrysene	ND		0.268	0.276		mg/Kg	☼	103	57 - 144	
Benzo[b]fluoranthene	ND		0.268	0.278		mg/Kg	☼	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

Client Sample ID: C-66B
 Prep Type: Total/NA
 Prep Batch: 9494

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Naphthalene	ND		0.270	0.232		mg/Kg	☼	86	41 - 121		7	35
2-Methylnaphthalene	ND		0.270	0.257		mg/Kg	☼	95	39 - 132		3	35
1-Methylnaphthalene	ND		0.270	0.241		mg/Kg	☼	89	46 - 131		6	35
Acenaphthylene	ND		0.270	0.250		mg/Kg	☼	93	56 - 123		7	35
Acenaphthene	ND		0.270	0.245		mg/Kg	☼	91	43 - 140		3	35
Fluorene	ND		0.270	0.267		mg/Kg	☼	99	54 - 131		5	35
Phenanthrene	ND		0.270	0.279		mg/Kg	☼	103	55 - 141		5	35
Anthracene	ND		0.270	0.295		mg/Kg	☼	109	60 - 129		8	35
Fluoranthene	ND		0.270	0.299		mg/Kg	☼	111	63 - 141		8	35
Pyrene	ND		0.270	0.263		mg/Kg	☼	97	62 - 139		5	35
Benzo[a]anthracene	ND		0.270	0.290		mg/Kg	☼	107	61 - 136		7	35
Chrysene	ND		0.270	0.301		mg/Kg	☼	112	57 - 144		8	35
Benzo[b]fluoranthene	ND		0.270	0.305		mg/Kg	☼	112	66 - 141		9	35
Benzo[k]fluoranthene	ND		0.270	0.285		mg/Kg	☼	106	63 - 150		5	35
Benzo[a]pyrene	ND		0.270	0.276		mg/Kg	☼	102	60 - 133		6	35
Indeno[1,2,3-cd]pyrene	ND		0.270	0.299		mg/Kg	☼	110	55 - 142		7	35
Dibenz(a,h)anthracene	ND		0.270	0.296		mg/Kg	☼	110	60 - 150		8	35
Benzo[g,h,i]perylene	ND		0.270	0.294		mg/Kg	☼	109	58 - 147		9	35
MSD MSD												
Surrogate	%Recovery		Qualifier	Limits								
Nitrobenzene-d5	72			23 - 120								
2-Fluorobiphenyl (Surr)	100			38 - 123								
p-Terphenyl-d14	126			68 - 136								

TestAmerica Spokane

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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.89 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared 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

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.31 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.

Authority	Program	EPA Region	Certification ID	Expiration Date
Washington	State Program	10	C569	01-06-17

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



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



Login Sample Receipt Checklist

Client: Earth Solutions NW LLC

Job Number: 590-4936-1

Login Number: 4936

List Source: TestAmerica Spokane

List Number: 1

Creator: Kratz, Sheila J

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	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 $<6\text{mm}$ ($1/4''$).	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Distribution

ES-4332.01

EMAIL ONLY

**Copper River Apartments, LLC
120 West Cataldo Avenue, Suite 100
Spokane, Washington 99201**

Attention: Mr. John Fisher