

Via Electronic Mail

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**REPORT OF SOIL REMOVAL ACTION
DIOXIN SOIL REMOVAL AREA
NEVADA ENVIRONMENTAL RESPONSE TRUST SITE
HENDERSON, NEVADA**

Dear Dr. Dong:

January 30, 2020

On behalf of the Nevada Environmental Response Trust (NERT or the Trust), Ramboll US Corporation (Ramboll) is providing this report documenting soil removal activities conducted at the NERT site in early 2019. This project was conducted to excavate soils with elevated dioxin levels in an area located near the southwest corner of the GW-11 pond at the NERT Site (Figure 1).

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The dioxin soil removal work was conducted in accordance with the Soil Excavation Work Plan, SMP-Required Notifications and Contingency Plan, Nevada Environmental Response Trust, Henderson, Nevada (Excavation Work Plan), dated January 7, 2019 and approved by the Nevada Division of Environmental Protection (NDEP) on January 14, 2019 (Ramboll 2019). The Excavation Work Plan was prepared in accordance with the Site Management Plan, Revision 4, dated March 22, 2018 ("SMP"; Ramboll 2018a), which was approved by NDEP on March 29, 2018.

This completion report presents the results of pre-excavation soil delineation and waste characterization sampling, documents the excavation activities and describes the site restoration work. The waste disposal and dust control permit compliance documentation are also presented herein.

PROJECT BACKGROUND

During the preparation of the *Interim Report: Identification of COPCs and Decision Units for OU-1 Soils, Revision 1* (Ramboll Environ 2017), Ramboll performed a statistical and spatial analysis of Site chemicals of potential concern (COPCs). COPCs were identified and existing analytical data were compared to NDEP Basic Comparison Levels (BCLs) and site-specific Soil Screening Levels (SSLs). These criteria are included in Table 1 of the SMP Revision 4 (Ramboll 2018a). Dioxin toxicity equivalent (TEQ) data were

compared to the dioxin TEQ SSL of 2,700 picograms per gram (pg/g)¹. An area with elevated dioxin TEQ concentrations was identified near the southwest corner of the GW-11 pond. The area had been sampled during a pre-confirmation sampling event conducted in April 2010.

The 2010 pre-confirmation sample data from soil sample location SSAK3-05, at a depth of 0 to 0.5 feet below ground surface (bgs), indicated a dioxin TEQ concentration of 11,330 pg/g, well above the SSL. In the next deeper soil sample (1 to 2 ft bgs) collected from SSAK3-05, the detected dioxin TEQ concentration was 250 pg/g, below the SSL. This area was not identified for excavation in the 2010/2011 interim soil removal action (Northgate 2010), which took place between August 2010 and November 2011 and involved removal of over 560,000 cubic yards of contaminated soil from the site.

During site restoration following the 2010/2011 removal action, imported clean fill material was added to the area of the dioxin soil excavation, and based on soil removal records, the adjusted depths of the original samples collected from SSAK3-05 are 2.5 to 3.0 ft bgs (dioxin TEQ above SSL) and 3.5 to 4.5 ft bgs (dioxin TEQ below SSL). The dioxin TEQ concentration in soil from the adjusted depth ranging from 3 to 3.5 ft bgs at this location was identified as a data gap to be addressed during pre-excavation soil sampling to be conducted prior to the excavation work documented herein.

The analytical results for other pre-confirmation sample locations to the west and northwest of SSAK3-05 (e.g., SSAK2-01 and SSAK3-03) indicated chemical concentrations in shallow soil were below SSL criteria and that these areas did not require excavation. Pre-confirmation soil sampling locations are shown on Figure 1.

As part of the Phase 1 Remedial Investigation (RI) conducted in October 2014, soil sampling was conducted at three additional soil sample locations (RISB-50, -51, and -52) in this area to further delineate the extent of dioxin TEQ concentrations in soil above the dioxin TEQ SSL. The reported dioxin TEQ concentrations in soil at 0.5 ft to 1.0 ft bgs at each of these sample locations were above the SSL. Dioxin TEQ concentrations in the next deeper soil samples at these locations (each at 5.0 ft to 5.5 ft bgs) were below the SSL. The lack of dioxin TEQ data in soil from depths between 0.5 feet and 5.0 ft bgs was identified as a data gap to be addressed with pre-excavation soil sampling to be conducted prior to the excavation work documented herein.

SOIL REMOVAL AREA

As shown on Figure 2, the dioxin soil excavation area is located near the southwest corner of the GW-11 pond and is bounded laterally by previously remediated Remediation Zone D (RZ-D) excavation polygons to the northeast (D-08A), southeast (D-11), and south (D-12); and by 2010 pre-confirmation soil sampling locations SSAK3-03 and SSAK2-01 to the west.

Excavation Delineation

In September 2018, pre-excavation soil sampling was performed to delineate the area requiring excavation. The pre-excavation sampling was performed in accordance with the *Work Plan, SMP-Required Notifications and Contingency Plan, Pre-Excavation Sampling for Dioxin Soil Remediation, Nevada Environmental Response Trust, Henderson, Nevada* (Sampling Work Plan), dated August 21, 2018 and approved by the NDEP on August 24, 2018 (Ramboll 2018b). The results of the 2018 pre-excavation soil sampling and delineation of the excavation area are

¹ Dioxin TEQ SSL established in NDEP Letter to Tronox LLC re: Response to: Results of Bioaccessibility Study for Dioxins/Furans in Soil, Tronox LLC, Henderson, Nevada (Revised), May 25, 2010 (NDEP 2010).

described in the Excavation Work Plan (Ramboll 2019). Laboratory analytical reports for the 2018 pre-excavation sampling are also included in the Excavation Work Plan. Pre-excavation soil sampling locations are shown on Figure 1.

As described in the Excavation Work Plan, the dioxin soil excavation program was designed to address elevated dioxin TEQ concentrations identified during pre-excavation soil sampling and previous soil sampling events. The final excavation boundaries were developed using a combination of Thiessen polygons generated during the 2011 soil removal program and the pre-excavation sampling results. The same methodology was utilized to define excavation depths within various portions of the excavation area. The excavation polygon and transitional boundaries were surveyed and staked in the field prior to mobilizing equipment to conduct excavation activities. The Thiessen polygons representing the excavation area and depths are shown on Figure 2. The combined area of the excavation polygons is approximately 0.4 acres. The actual excavation area extended slightly beyond the horizontal polygon boundaries in order to create sloped sidewalls and to ensure that soils requiring excavation and disposal were completely removed.

Groundwater Extraction and Treatment Components

The northern portion of the excavation area is within 50 feet of monitoring well MW-16 (Figure 2). Monitoring well MW-16 is a component of the NERT groundwater extraction and treatment system (GWETS), which is comprised of a slurry barrier wall, groundwater extraction and treatment systems, and monitoring wells. As specified in the SMP (Ramboll 2018a), excavation activities that are to occur within 50 feet of a GWETS component require notifications and contingency planning measures that must be approved by NDEP and the Trust prior to the commencement of work. These notifications were incorporated into and described in the Excavation Work Plan.

Excavation Control Area (ECA)

A portion of the excavation is within the boundaries of Excavation Control Area (ECA) D3², which surrounds the GW-11 pond. For the purposes of this report, the excavated soil from within ECA D3 is referred to as "ECA soil" and soil excavated outside of this area is referred to as "non-ECA soil". The ECA soil was segregated from non-ECA soil in accordance with Sections 4.2 and 4.3 of the SMP Revision 4 (Ramboll 2018a).

The SMP specifies that soil from within ECAs should be characterized for specific chemical parameters by collecting and analyzing stockpile composite samples (one sample per 250 cubic yards for the first 1,000 cubic yards). The ECA excavation had an in-place volume of approximately 70 cubic yards. Therefore, a single composite sample was required to be collected from soil excavated from the ECA excavation.

The SMP also specifies that confirmation sampling should be conducted from the extent of excavation within an ECA. The ECA excavation represents an area of approximately 1,275 square feet, with a depth of 1.5 feet. For areas of less than 2,500 square feet, the SMP requires a single bottom confirmation sample. For excavations with depth less than 2 feet, sidewall

² Appendix A of the SMP defines ECAs as locations that are beneath or in close proximity to operational structures, features, or utilities; or at depths greater than 10 feet bgs; where known impacted soil has been left in-place or potentially contaminated soils may be present (Ramboll 2018a).

sampling is not required. Therefore, a single confirmation sample was required to be collected from the bottom of the ECA excavation (Figure 2).

PRE-EXCAVATION WASTE PROFILING ACTIVITIES

Analytical results of the 2018 pre-excavation sampling are described in detail in the Excavation Work Plan, which includes attachments with laboratory analytical reports. These data were used for waste characterization and profiling of soil to be excavated, as described below and as shown on Table 1.

In addition to the 2018 sampling, supplemental soil sampling was conducted on February 27, 2019, before mobilizing excavation equipment. The supplemental sampling was performed to provide information required for acceptance of the excavated soil at the disposal site. Laboratory analytical results of the supplemental sampling are included as Attachment A.

Using hand auger equipment, the supplemental soil samples were obtained by re-sampling at boreholes co-located with the 2018 pre-excavation sampling locations DSPE-3 through DSPE-7 (Figure 2).

- At DSPE-3, samples were collected at 1 to 1.5 ft bgs, 2 to 2.5 ft bgs, and 3 to 3.5 feet bgs.
- At DSPE-4 through DSPE-6, samples were collected at 0.5 to 1 ft bgs.
- At DSPE-7, a sample was collected at 2.5 to 3 ft bgs.

Soil samples obtained from the target depths were immediately transferred into laboratory provided containers and placed into ice-filled coolers for transport to TestAmerica Laboratories, Inc (TestAmerica). Sampling equipment (i.e., hand auger) was decontaminated prior to its first use and between uses. Decontamination procedures included scrubbing the equipment with a brush or sponge in a solution of Alconox detergent (or equivalent) in potable water, followed by a first rinse in potable water and a second rinse in deionized water. Decontamination fluids were placed into one 55-gallon drum and were discharged to the GW-11 pond at the NERT site immediately following completion of the sampling activities.

Analytical Methods

Pre-excavation soil samples and supplemental waste characterization samples were collected, submitted to TestAmerica, and analyzed for regulatory required parameters, parameters identified as a requirement of the disposal facility, and for known site constituents of concern (COCs). The analytical parameters included:

- Dioxins and Furans by United States Environmental Protection Agency (USEPA) Method 8290;
- Total Volatile Organic Compounds (VOCs) by USEPA Method 8260B;
- Total and Toxicity Characteristic Leaching Procedure (TCLP) Semivolatile Organic Compounds (SVOCs) by USEPA Methods 8270C with TCLP extraction by USEPA Method 1311;
- Total and TCLP Resource Conservation and Recovery Act (RCRA) metals by USEPA Methods 6010B, 7471A and 1311;
- Organochlorine Pesticides (OCPs) and Polychlorinated Biphenyls (PCBs) by USEPA Method 8081A/8082;
- Total Petroleum Hydrocarbons (TPH) as gasoline-range organics (GRO), diesel-range organics (DRO), motor oil-range organics (ORO), and extractable fuel hydrocarbons (EFH) by USEPA Method 8015B;

- Perchlorate by USEPA Method 314.0;
- Ignitability by USEPA Method 7.1.2; and
- pH by USEPA Method 9045D.

Waste Profiling Results

Table 1 provides a compiled set of pre-excavation, supplemental, and historical (e.g., prior dioxin TEQ data) sampling results within the excavation area, which are applicable to waste characterization of the non-ECA area of the excavation. The table includes comparison to RCRA and TCLP regulatory thresholds. Waste characterization of the ECA area of the excavation is discussed in a separate section below. Sample locations are included on Figure 1.

Analytical results of pre-excavation and supplemental soil samples were compared to applicable hazardous waste criteria as described below. Analytical data indicated that concentrations of VOCs, SVOCs, metals, OCPs, dioxin TEQ, TPH-DRO, TPH-ORO, EFH, and perchlorate were detected in soil. TPH-GRO and PCBs were not detected at or above laboratory reporting limits (RLs). Detected concentrations (and laboratory RLs for non-detected compounds) were below applicable RCRA characteristic waste limits. Results were also compared to site-specific SSLs presented in the Site Management Plan, Revision 4 (SMP; Ramboll 2018). A summary of these results is provided below.

Ignitability (D001)

The soils were evaluated for ignitability based on analytical test results. Soil samples were collected from five locations within the excavation area and test results were "Not Ignitable". Therefore, the soil was not considered to be a characteristic ignitable waste.

Corrosivity (D002)

The RCRA characteristic of corrosivity is applicable only to liquids. However, pH testing was conducted on soil samples from the five sampling locations within the excavation area, and pH levels ranged from 8 to 9.5. These results are within the USEPA's acceptable aqueous range of 2 to 12.5. Therefore, the soil was not considered to be a characteristic corrosive waste.

Reactivity (D003)

Existing published industry safety benchmarks have not been identified to evaluate the reactivity and explosive risks for residual perchlorate compounds in soil or other solid materials. Therefore, a provisional safety benchmark was developed at a total perchlorate concentration of 50,000 milligrams per kilogram (mg/kg) (5%) on a dry weight basis. Pre-excavation soil samples were analyzed for perchlorate, and detections ranged from 0.24 mg/kg to 36 mg/kg. These concentrations are well below the safety benchmark, and the soil was not considered to be a characteristic reactive waste.

Toxicity (D004 through D043)

The RCRA characteristic of toxicity is determined by testing wastes for leachable concentrations of certain metals and organic compounds using the TCLP, as specified in 40 CFR 261.24, and comparing the results to chemical-specific TCLP thresholds. The USEPA has concluded that an acceptable approach for evaluating toxicity is to compare the total concentration (in mg/kg) of TCLP constituents to a value that is 20 times the TCLP regulatory level (in milligrams per liter [mg/L]), reflecting the effective dilution that occurs during the test procedure when the waste sample is mixed with the extraction fluid. If the total concentrations are less than 20 times the

TCLP regulatory thresholds, the material does not exhibit the toxicity characteristic and TCLP analysis is not required.³ Based on evaluation of the total and TCLP results as described below, the soil was not considered to be a characteristic toxic waste.

Total VOCs

- Three VOCs were detected at concentrations below their respective SSLs. TCLP values have not been established for the detected VOCs.
 - Acetone was detected in two samples at concentrations of 0.014 mg/kg and 0.017 mg/kg, which are below the SSL of 100,000 mg/kg.
 - Methylene chloride was detected in two samples at concentrations of 0.0078 mg/kg and 0.011 mg/kg, which are below the SSL of 1,820 mg/kg.
 - 1,2,4-Trimethylbenzene was detected in one sample at a concentration of 0.0012 mg/kg, which is below the SSL of 218 mg/kg.

Total and TCLP SVOCs

- Two SVOCs were detected, as described below.
 - Octochlorostyrene was detected in one sample at a concentration of 2 mg/kg. There is no SSL or TCLP threshold for this constituent.
 - Total hexachlorobenzene (HCB) was detected in five soil samples at concentrations ranging from 0.077 mg/kg to 14 mg/kg. The total HCB detected in the three soil samples from boring DSPE-4 (7.3 mg/kg at 0 to 0.5 feet bgs, 14 mg/kg at 0.5 to 1.0 feet bgs, and 11 mg/kg at 1.0 to 1.5 feet bgs) are above the SSL of 0.23 mg/kg and above 2.6 mg/kg, which is 20 times the TCLP value of 0.13 mg/L.
 - Two of the three samples with total HCB above 20 times the TCLP value were re-analyzed for HCB using the TCLP. The results for both analyses were non-detect. The 1.0 to 1.5 feet bgs sample from boring DSPE-4 was not re-analyzed for HCB using the TCLP because the holding time had been exceeded. However, the highest total HCB concentration at location DSPE-4 (14 mg/kg) was non-detect for HCB using the TCLP and not indicative of a hazardous waste.

Total and TCLP Metals

- Total arsenic was detected at a maximum concentration of 8.7 mg/kg, with a single sample exceeding the SSL of 7.2 mg/kg. Total arsenic detections were below 100 mg/kg, which is 20 times the TCLP value of 5 mg/L.
- Total barium, cadmium, chromium, and lead were detected at concentrations below their respective SSLs and below 20 times their respective TCLP values.
- Total barium was detected in four samples at a maximum concentration of 150 mg/kg, below the SSL of 100,000 mg/kg. Total barium detections were below 2,000 mg/kg, which is 20 times the TCLP value of 100 mg/L.
- Total cadmium was detected in one sample at a concentration of 0.04 mg/kg, below the SSL of 1,260 mg/kg. This detection is below 20 mg/kg, which is 20 times the TCLP value of 1 mg/L.

³ USEPA publication 540-R-94-005a (i.e., the "20x rule").

- Total chromium was detected in four samples at a maximum concentration of 8.6 mg/kg, below the SSL of 100,000 mg/kg. Total chromium detections were below 100 mg/kg, which is 20 times the TCLP value of 5 mg/L.
- Total lead was detected in four samples at a maximum concentration of 7 mg/kg, below the SSL of 800 mg/kg. Total lead detections were below 100 mg/kg, which is 20 times the TCLP value of 5 mg/L.
- Barium, chromium, and lead were detected using the TCLP at concentrations below their respective TCLP values.
 - Barium was detected using the TCLP in nine samples at concentrations ranging from 0.59 mg/L to 2.2 mg/L; well below the TCLP threshold of 100 mg/L.
 - Chromium was detected using the TCLP in one sample at a concentration of 0.02 mg/L; well below the TCLP threshold of 5 mg/L.
 - Lead was detected in one sample using the TCLP at a concentration of 0.016 mg/L; well below the TCLP threshold of 5 mg/L.

Organochlorine Pesticides and PCBs

- Five OCPs were detected at concentrations below their respective SSLs. TCLP values have not been established for the detected OCPs.
 - Alpha-hexachlorocyclohexane (alpha-BHC) was detected at a maximum concentration of 0.0059 mg/kg, below the SSL of 0.49 mg/kg.
 - beta-BHC was detected at a maximum concentration of 0.2 mg/kg, below the SSL of 1.73 mg/kg.
 - 2,4-dichlorodiphenyldichloroethylene (2,4-DDE) was detected at a maximum concentration of 0.079 mg/kg; there is no SSL established for 2,4-DDE.
 - 4,4-DDE was detected at a maximum concentration of 0.13 mg/kg, below the SSL of 9.5 mg/kg.
 - 4,4-dichlorodiphenyltrichloroethane (4,4-DDT) was detected at maximum concentration of 0.023 mg/kg, below the SSL of 7.55 mg/kg.
- PCBs were not detected at or above laboratory RLs.

Dioxins and Furans

- Detected concentrations of dioxin TEQ ranged from 1.3 pg/g to 19,260 pg/g. The SSL for dioxin TEQ is 2,700 pg/g. Dioxins do not have characteristic criteria under RCRA. Dioxins are not regulated as hazardous waste unless they represent a listed hazardous waste. There is no information to indicate that the soil excavated from the site is from a listed specific or non-specific source, contains discarded commercial chemical products, or that any spills or releases of listed wastes have occurred in the area where soil excavation was conducted. Therefore, soil removed from the site was not classified as listed waste under RCRA.

TPH

- TPH-GRO was not detected at or above laboratory RLs. Detected concentrations of TPH-DRO ranged from 3.4 mg/kg to 22 mg/kg. Detected concentrations of TPH-ORO ranged from 3.1 mg/kg to 6.8 mg/kg. Detected concentrations of EFH ranged from 3.7 mg/kg to 29 mg/kg. SSLs are not

established for these compounds. Detected concentrations were reviewed by the disposal facility and were found to be acceptable for disposal as non-hazardous waste.

Perchlorate

- Detected concentrations of perchlorate ranged from 0.24 mg/kg to 36 mg/kg, below the SSL of 908 mg/kg. Detected concentrations of perchlorate were reviewed by the disposal facility and were found to be acceptable for disposal as non-hazardous waste.

Data Validation

A Data Validation Summary Report (DVSR) and associated Electronic Data Deliverable (EDD) for these samples and other samples collected in association with the dioxin soil excavation area was submitted to NDEP on September 26, 2019 and NDEP comments were received on October 28, 2019. The revised deliverable was submitted to NDEP on December 13, 2019 and approved by NDEP on December 19, 2019.

SOIL EXCAVATION ACTIVITIES

The contractor selected to perform the soil removal was Earth Resource Group (ERG; “the contractor”). The contractor prepared a site-specific health and safety plan (HASP) and the excavation boundaries were surveyed and marked by Atkins Global on March 8, 2019. ERG mobilized to the site and initiated site preparation activities in March 2019.

Site Preparation

Before commencing work, ERG positioned barricades to delineate the work area for traffic control purposes. Material to be used for backfill (described below) was stockpiled nearby the excavation area. A portion of the GW-11 berm access roadway was temporarily barricaded and taken out of service during the excavation since the excavation extended into this unpaved roadway.

Prior to conducting intrusive activities, Ramboll notified the USA North (811) underground utility service to request that public utilities in and around the work area be located and marked. Ramboll also retained a private utility locator (GPRS Inc.) to identify utilities or detectable subsurface features within the excavation area. While no subsurface utilities were identified, two areas along the southeastern edge of the excavation were identified as potentially containing buried debris. Test pits were excavated in these two areas on March 29, 2019 to confirm the presence of the debris. The test pits were advanced by ERG using a mini-excavator to a depth of approximately two feet bgs. The test pit investigation did not identify buried debris.

Soil Excavation and Removal

ERG conducted the soil excavation activities between March 29, 2019 and April 20, 2019. Ramboll coordinated planning and field activities throughout the project and provided direct oversight of excavation and soil removal activities. A photographic log of the excavation and restoration activities is provided in Attachment B.

Excavation began on April 1, 2019 with the removal of the ECA soil area. The ECA soil was placed into seven roll-off bins for storage pending waste characterization. One seven-point composite soil sample (one aliquot per roll-off bin) was collected from the ECA soil volume and analyzed for chemical parameters specified in the SMP and as required by the Republic Services’ Apex Landfill.

After the ECA soil was excavated, a single bottom confirmation soil sample was collected from the center of the ECA area at a depth of 1.5 to 2 feet bgs. The confirmation sample was analyzed for chemical parameters specified in the SMP (Ramboll 2018a). The confirmation sample results indicated that concentrations remaining in place after the soil removal were below the site-specific cleanup criteria listed in the SMP. Results of the confirmation sample are provided in Table 2 and the laboratory analytical report is included in Attachment A.

Excavation of the non-ECA area began on April 2, 2019 and concluded on April 20, 2019. The non-ECA soil was first excavated and moisture conditioned in-place. Moisture conditioning, including watering and mixing the loosened soil, was performed for dust control purposes and to facilitate removal and transportation of the soil for off-site disposal. Soil transport to the disposal facility took place between April 15 and April 20, 2019. Disturbed soil areas and clean backfill stockpiles were covered and secured beneath plastic sheeting when not in active use. The excavation was performed to the depths specified in the Excavation Work Plan, which were demonstrated by the pre-excavation sampling data to be below the site-specific criteria for dioxin TEQ. Figure 2 includes the final excavation boundaries and depths of the 2019 removal activities. Per the NDEP-approved Excavation Work Plan, confirmation samples were not collected from the non-ECA excavation area.

Dust Control Measures and Particulate Air Monitoring

Dust control measures were performed during the soil removal in accordance with the requirements of the Site Wide Dust Control Plan (SWDCP; Tetra Tech 2015).

ERG obtained a Clark County, Nevada Dust Control Operating Permit (DCOP) (Attachment C). In accordance with the Clark County DCOP and the SWDCP, ERG implemented the following Best Management Practices (BMPs) to prevent fugitive dust emissions from the site during soil loading, excavation, and restoration activities:

- A water truck was used to apply water on dirt-surfaced travel routes, excavation areas, and backfill material. Work areas were pre-watered prior to moving equipment, and watering was actively conducted in areas where excavation, backfilling, and soil stockpiling or handling were being conducted. The water source used for dust control was an on-site fire hydrant.
- ERG conducted soil loading, excavating, and backfilling in a manner that minimized generation of dust. Best management practices included limiting travel speed on roadways to 5 miles per hour, moisture conditioning soil before export, minimizing drop heights during soil loading activities, and covering of stockpiles and disturbed soil areas.

In order to monitor the effectiveness of dust control procedures and to prevent fugitive dust emissions, Ramboll performed air monitoring of particulate matter 10 microns or less in diameter (PM₁₀) at two locations upwind and downwind of the excavation area during excavation and soil loading activities. Dust monitoring data were reviewed at the end of each day and compared to an action level of 50 micrograms per cubic meter (µg/m³) as a 12-hour average.⁴ There were no exceedances of this action level for any day of project activity.

⁴ The action level used for dust monitoring of the dioxin soil excavation area is based on the Site Action Level for perimeter dust monitoring (100 µg/m³ as a 24-hour average) as described in the 2012 Interim Soil Removal Action Report (ENVIRON 2012).

Sporadic instantaneous measurements above $50 \mu\text{g}/\text{m}^3$ were observed on April 1, April 2, April 16, and April 17, 2019. A greater frequency of instantaneous measurements above $50 \mu\text{g}/\text{m}^3$ were recorded on April 15 and April 18, 2019, as described below.

- On April 15, the dust monitors recorded a maximum instantaneous concentration of $245 \mu\text{g}/\text{m}^3$ and a daily average concentration of $19 \mu\text{g}/\text{m}^3$.
- On April 18, the dust monitors recorded a maximum instantaneous concentration of $157 \mu\text{g}/\text{m}^3$ and a daily average concentration of $15 \mu\text{g}/\text{m}^3$.

Instantaneous dust readings recorded by the monitoring stations on the two dates above were discussed with the contractor, and watering and other dust control measures were increased in response to these readings as a conservative measure to minimize dust generation and reduce the potential of exceeding the 12-hour average action level. As noted above, this action level was not exceeded on any day of project activity. All dust control and monitoring activities were conducted in accordance with the requirements of the Clark County DCOP and the SWDCP.

Backfilling, Compaction and Site Restoration

The excavation was backfilled sequentially as each of the excavation polygons were completed, and after the confirmation sample results were received for the ECA area. An on-site stockpile of clean soil was provided by NERT for use in backfilling the excavation. The clean import soil was obtained from the Sunrise Mountain and Historic Lateral Weir dewatering project, where the soil was emplaced and later removed from areas around the pump station and the weir treatment plant upon decommissioning of the treatment system. Prior to use in the dewatering project, the aggregate material was originally obtained from Las Vegas Crushing at Nevada State Drive and Paradise Hills Drive in Henderson, Nevada. The area was open desert land prior to being developed as an aggregate pit. Upon completion of the dewatering project, the soil was characterized for re-use on the NERT Site by Tetra Tech in September 2018 per the requirements of the SMP (Ramboll 2018a). Because the soil was used at the dewatering project site, six samples of the soil were analyzed for perchlorate. The perchlorate concentrations in these samples ranged from non-detect to $0.321 \text{ mg}/\text{kg}$, all well below the soil screening level of $980 \text{ mg}/\text{kg}$ provided in the SMP (Ramboll 2018a), indicating the soil was acceptable for re-use on-site. Additionally, NDEP approved on-site reuse of the soil in an e-mail dated October 11, 2018 (NDEP 2018).

Backfilling was completed on April 24, 2019. Clean backfill material was placed in approximate 8-inch lifts, moisture conditioned, and compacted to achieve a compaction of 90 percent (or greater) of maximum dry density and within 2 percent of optimum moisture content. Soil was compacted in lifts by wheel-rolling over the area using the excavation equipment. Following placement of fill material, density and moisture measurements were conducted by Angle Engineering (a subcontractor to ERG) using a nuclear density gauge, in general accordance with ASTM test methods D-1557 and D-6938. The field density test results and backfill geotechnical testing results are provided in Attachment D. The excavation area was restored based on previous surface topography and features, including a portion of the GW-11 pond access roadway.

Waste Profiling and Disposal of Excavated Soil

The non-ECA portion of the excavation was profiled based on the results of the 2018 pre-excavation sampling and the additional pre-excavation samples collected in 2019 (Table 1). The ECA portion of the excavation was profiled based on the results of the composite soil sample

collected from soil storage bins used to contain the ECA soil (Table 3). Based on the analytical results, site knowledge, and in accordance with the USEPA guidance document *Use of Total Waste Analysis in Toxicity Characteristic Determinations* (USEPA 1994), the soil was classified as non-hazardous waste and was accepted for disposal at Republic Services' Apex Landfill (Profile No. 3825194829 for non-ECA soil and Profile No. 3825197207 for ECA soil).

The non-ECA soil was excavated and transported to Apex landfill for disposal. Between April 15, 2019 and April 20, 2019, a total of 2,595 tons of non-ECA soil was disposed.

The seven roll-off bins of excavated ECA soil were transported to Apex landfill for disposal. Between May 30, 2019 and June 7, 2019, a total of 111 tons of ECA soil was disposed.

The waste profiles, weight tickets, and signed manifests for the soil disposal are provided in Attachment E.

CLOSURE

Ramboll has prepared this Report of Soil Removal Action to document and summarize the characterization, excavation, and off-site disposal of dioxin-impacted soil from the NERT site. Please contact John Pekala at (602) 734-7710 or jpekala@ramboll.com if you have any comments or questions concerning this report.

Sincerely,



Dan Clark, PG
Senior Consultant



John M. Pekala, PG
Principal
CEM #2347, expires 09/20/2020

Cc: James Dotchin, NDEP-BISC
Nevada Environmental Response Trust
Tanya O'Neill, Foley & Lardner LLP
Wendy Prescott, ETI

Attachments

TABLES

- Table 1 – Pre-Excavation Soil Sample Results
- Table 2 – ECA Polygon Confirmation Sample Results
- Table 3 – ECA Polygon Composite Sample Results

FIGURE

- Figure 1 – Site Layout
- Figure 2 – Final Excavation Boundaries, Depths and Sample Locations

ATTACHMENTS

- Attachment A – Laboratory Analytical Reports
- Attachment B – Photographic Log of Excavation Activities
- Attachment C – Clark County Dust Control Operating Permit
- Attachment D – Compaction and Geotechnical Testing Results
- Attachment E – Waste Disposal Documentation

REFERENCES

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**Report of Soil Removal Action
Dioxin Soil Removal Area**

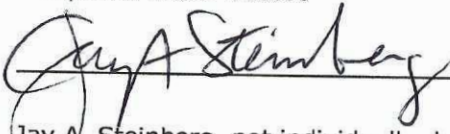
**Nevada Environmental Response Trust Site
(Former Tronox LLC Site)
Henderson, Nevada**

Nevada Environmental Response Trust (NERT) Representative Certification

I certify that this document and all attachments submitted to the Division were prepared at the request of, or under the direction or supervision of NERT. Based on my own involvement and/or my inquiry of the person or persons who manage the system(s) or those directly responsible for gathering the information or preparing the document, or the immediate supervisor of such person(s), the information submitted and provided herein is, to the best of my knowledge and belief, true, accurate, and complete in all material respects.

Office of the Nevada Environmental Response Trust

Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Signature:  Not Individually, but Solely
as President of the Trustee

Name: Jay A. Steinberg, not individually, but solely in his representative capacity as President of the Nevada Environmental Response Trust Trustee

Title: Solely as President and not individually

Company: Le Petomane XXVII, Inc., not individually, but solely in its representative capacity as the Nevada Environmental Response Trust Trustee

Date: 1/30/2020

**Report of Soil Removal Action
Dioxin Soil Remediation Area**

**Nevada Environmental Response Trust Site
(Former Tronox LLC Site)
Henderson, Nevada**

Responsible Certified Environmental Manager (CEM) for this project

I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and, to the best of my knowledge, comply with all applicable federal, state and local statutes, regulations and ordinances.

A handwritten signature in blue ink, appearing to read "John M. Pekala", written over a horizontal line.

**John M. Pekala, PG
Principal**

January 30, 2020

Date

Certified Environmental Manager
Ramboll US Corporation
CEM Certificate Number: 2347
CEM Expiration Date: September 20, 2020

TABLES

TABLE 1. Pre-Excavation Soil Sample Results
Report of Soil Removal Action, Dioxin Soil Removal Area
Nevada Environmental Response Trust Site
Henderson, Nevada

Borehole ID	Sample ID	Depth (ft bgs)	Date	Dioxin TEQ ^{1,2} (pg/g)	TTL RCRA Metals					TCLP RCRA Metals (mg/L)				Petroleum Hydrocarbons			VOCs			SVOCs			Organochlorine Pesticides					PCBs	Perchlorate	pH (pH units)	Ignitability				
					As	Ba	Cd	Cr	Pb	Ba	Cd	Cr	Pb	DRO (C10-C28)	ORO (C29-C40)	EFH (C10-C40)	Acetone	Methylene Chloride	1,2,4-Trimethylbenzene	Octachloro-styrene	HCB	TCLP HCB (mg/L)	alpha-BHC	beta-BHC	2,4-DDE	4,4-DDE	4,4-DDT								
DSPE-3	DSPE-3-0.5	0.5-1	9/19/2018	550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	DSPE-3-RE-1.5	1-1.5	2/27/2019	--	5.7	150	ND<0.55	8.1	6.5	--	--	--	--	ND<5.5	3.1	--	ND<0.022	ND<0.011	ND<0.0022	--	--	--	ND<0.0055	0.0038	ND<0.0055	0.0027	ND<0.0055	--	--	--	--	--	--	--	
	DSPE-3-1.5	1.5-2	9/19/2018	12,000	--	--	--	--	--	1	ND<0.05	ND<0.1	0.016	--	--	--	--	--	--	--	--	ND<0.05	--	--	--	--	--	--	--	--	--	--	--	--	
	DSPE-3-2.0	2-2.5	9/19/2018	8,300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	DSPE-3-RE-2.5	2-2.5	2/27/2019	--	8.7	150	ND<0.53	8.6	5.4	--	--	--	--	ND<5.4	3.1	--	ND<0.022	ND<0.011	ND<0.0022	--	--	--	ND<0.0054	0.0028	ND<0.0054	0.0016	ND<0.0054	ND<0.054	9.7	8.6	Not Ignitable				
	DSPE-3-2.5	2.5-3	9/19/2018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	DSPE-3-3.0	3-3.5	9/19/2018	2,400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DSPE-3-RE-3.5	3-3.5	2/27/2019	--	6.7	150	0.04	7.4	6	--	--	--	--	ND<5.4	4.3	--	ND<0.021	ND<0.011	ND<0.0021	--	--	--	ND<0.0054	0.0045	ND<0.0054	0.0039	0.0023	--	--	--	--	--	--	--		
DSPE-3-4.0	4-4.5	9/19/2018	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DSPE-4	DSPE-4-0.0	0-0.5	9/19/2018	--	--	--	--	--	0.59	ND<0.1	ND<0.1	ND<0.1	8.9	4.6	13	0.017	0.011	ND<0.002	ND<3.3	7.3	ND<0.05	0.0059	0.14	0.079	0.13	0.019	--	--	--	--	--	--	--		
	DSPE-4-RE-1.0	0.5-1	2/27/2019	19,260	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	14	ND<0.05	--	--	--	--	--	ND<0.056	36	8.6	Not Ignitable					
	DSPE-4-1.0	1-1.5	9/19/2018	--	--	--	--	--	1	ND<0.1	ND<0.1	ND<0.1	22	6.8	29	ND<0.021	ND<0.011	ND<0.0021	ND<3.5	11	--	0.0073	0.2	0.048	0.057	0.011	--	--	--	--	--	--	--		
	DSPE-4-1.5	1.5-2	9/19/2018	740	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DSPE-5	DSPE-5-0.0	0-0.5	9/19/2018	--	--	--	--	--	1	ND<0.1	ND<0.1	ND<0.1	ND<5.1	ND<5.1	3.7	ND<0.020	ND<0.01	ND<0.002	ND<3.4	0.2	--	ND<0.0051	0.014	0.028	0.098	0.011	--	--	--	--	--	--	--		
	DSPE-5-RE-1.0	0.5-1	2/27/2019	4,049	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.053	0.24	9.5	Not Ignitable					
	DSPE-5-1.0	1-1.5	9/19/2018	--	--	--	--	--	0.64	ND<0.1	0.02	ND<0.1	ND<5.3	ND<5.3	4.8	ND<0.021	ND<0.011	ND<0.0021	ND<3.5	ND<0.35	--	ND<0.0053	ND<0.0053	ND<0.0053	0.0032	ND<0.0053	--	--	--	--	--	--	--		
	DSPE-5-1.5	1.5-2	9/19/2018	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DSPE-6	DSPE-6-0.0	0-0.5	9/20/2018	--	--	--	--	--	1.7	ND<0.1	ND<0.1	ND<0.1	7	4.3	11	0.014	0.0078	0.0012	ND<3.4	ND<0.34	--	ND<0.0051	0.055	0.067	0.096	0.023	--	--	--	--	--	--	--		
	DSPE-6-RE-1.0	0.5-1	2/27/2019	4,251	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.054	20	8	Not Ignitable					
	DSPE-6-1.0	1-1.5	9/20/2018	--	--	--	--	--	0.96	ND<0.1	ND<0.1	ND<0.1	3.4	3.5	6.9	ND<0.021	ND<0.01	ND<0.0021	ND<3.5	0.077	--	ND<0.0053	0.008	0.0059	0.008	0.014	--	--	--	--	--	--	--		
	DSPE-6-1.5	1.5-2	9/20/2018	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DSPE-7	DSPE-7-0.0	0-0.5	9/20/2018	--	--	--	--	--	2.2	ND<0.1	ND<0.1	ND<0.1	3.6	ND<5.1	7.5	ND<0.020	ND<0.01	ND<0.002	ND<3.4	ND<0.34	--	ND<0.0051	0.0016	0.0019	0.002	ND<0.0051	--	--	--	--	--	--	--		
	DSPE-7-1.0	1-1.5	9/20/2018	--	--	--	--	--	2	ND<0.1	ND<0.1	ND<0.1	ND<5.3	ND<5.3	5	ND<0.021	ND<0.011	ND<0.0021	ND<3.5	ND<0.35	--	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	ND<0.0053	--	--	--	--	--	--	--		
	DSPE-7-1.5	1.5-2	9/20/2018	1.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
	DSPE-7-RE-3.0	2.5-3	2/27/2019	11,330	5.8	140	ND<0.53	8.5	7	--	--	--	--	ND<5.5	4.3	--	ND<0.22	ND<0.011	ND<0.022	ND<0.71	ND<0.27	--	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.0054	ND<0.055	1.5	8.7	Not Ignitable				
DSPE-7-3.0	3-3.5	9/20/2018	4.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Title 22 Hazardous Waste Criteria				N/A	N/A	N/A	N/A	N/A	N/A	100	1	5	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<2 or >12.5	Positive				

Notes:
Only detected compounds are shown on the table.
Detected compounds are presented in **bold text**.
Results are presented in milligrams per kilogram (mg/kg) except where indicated.
Dioxin TEQ results are highlighted in green if greater than the site-specific screening criteria of 2,700 pg/g for dioxin TEQ.
Results are highlighted in yellow if greater than TCLP hazardous waste criteria multiplied by a dilution attenuation factor of 20.
Dioxin TEQ results in italics indicates co-located data from historical soil borings.
2018 soil samples were collected for excavation delineation and waste characterization.
2019 soil samples were collected for supplemental waste characterization.
mg/L = Milligrams per Liter
pg/g = picograms per gram
ND-## = Not Detected at or above laboratory reporting limit shown.
N/A = Not Applicable

BHC = Hexachlorocyclohexane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane
DRO = Diesel Range Organics
EFH = Extractable Fuel Hydrocarbons
HCB = Hexachlorobenzene
ORO = Oil Range Organics
RCRA = Resource Conservation and Recovery Act
SVOC = Semivolatile Organic Compound
TCLP = Toxicity Characteristic Leaching Procedure
TEQ = Toxicity Equivalent
VOC = Volatile Organic Compound

1: Dioxin TEQ calculated based on the World Health Organization (WHO) toxicity equivalency factors (TEFs) scheme (van den Berg et al. 2006). Nondetects were addressed using the Kaplan-Meier approach from USEPA's TEQ calculator. Van den Berg M. et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. Toxicology. Science 92:223-241.
2: Dioxin TEQ site-specific screening criteria based on Table 1, Site Management Plan, Revision 4
Ramboll, 2018a. Site Management Plan, Revision 4; Nevada Environmental Response Trust Site; Henderson, Nevada. March 22. NDEP approved March 29, 2018.

TABLE 2. ECA Polygon Confirmation Sample Results
Report of Soil Removal Action, Dioxin Soil Removal Area
Nevada Environmental Response Trust Site
Henderson, Nevada

Category	Analyte	Screening Criteria	Screening Reference	Unit	ECA Bottom Confirmation Sample
Metals	Arsenic	7.2	Site Specific Criteria ²	mg/kg	5.5
	Barium	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	180
	Boron	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	3.5
	Chromium	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	19
	Hexavalent Chromium	7.01	NDEP BCL - Outdoor IC Worker	mg/kg	0.49
	Iron	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	33,000
	Lead	800	NDEP BCL - Outdoor IC Worker	mg/kg	11
	Magnesium	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	9,700
	Manganese	28,100	NDEP BCL - Outdoor IC Worker	mg/kg	610
VOCs	EPA 8260B	N/A	NDEP BCL - Outdoor IC Worker	mg/kg	ND
SVOCs	EPA 8270C	N/A	NDEP BCL - Outdoor IC Worker	mg/kg	ND
OCPs	beta-BHC	1.73	NDEP BCL - Outdoor IC Worker	mg/kg	0.0064
PCBs	EPA 8082	1.15	NDEP BCL - Outdoor IC Worker	mg/kg	ND<0.052
Other	Dioxin TEQ¹	2,700	Site Specific Criteria ²	pg/g	14.3
	Perchlorate	908	NDEP BCL - Outdoor IC Worker	mg/kg	32
	Chloride	2,770	NDEP BCL - Outdoor IC Worker	mg/kg	230
	Nitrate as NO₃	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	7.1
	Orthophosphate as P	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	1.4
	Sulfate	100,000	NDEP BCL - Outdoor IC Worker	mg/kg	160
	pH	N/A	NDEP BCL - Outdoor IC Worker	pH units	9.7

Notes:

Only detected compounds are shown on the table.

Detected compounds are presented in **bold text**.

Results are presented in milligrams per kilogram (mg/kg) except where indicated.

pg/g = picograms per gram

ND<## = Not detected at or above laboratory reporting limit shown.

BCL = Basic Comparison Level

BHC = hexachlorocyclohexane

IC = Industrial or commercial

NDEP = Nevada Division of Environmental Protection

SVOC = Semivolatile Organic Compound

TEQ = Toxicity Equivalent

VOC = Volatile Organic Compound

1: Dioxin TEQ calculated based on the World Health Organization (WHO) toxicity equivalency factors (TEFs) scheme (van den Berg et al. 2006).

Nondetects were addressed using the Kaplan-Meier approach from USEPA's TEQ calculator.

2: Arsenic and Dioxin TEQ site-specific screening criteria based on Table 1, Site Management Plan, Revision 4

NDEP. 2017a. User's Guide and Background Technical Document for the NDEP BCLs for Human Health for the BMI Complex and Common Areas. July 14.

NDEP. 2017b. Basic Comparison Levels. July.

Van den Berg M. et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. Toxicology. Science 92:223-241.

Ramboll, 2018a. Site Management Plan, Revision 4; Nevada Environmental Response Trust Site; Henderson, Nevada. March 22. NDEP approved March 29, 2018.

TABLE 3. ECA Polygon Composite Sample Results
Report of Soil Removal Action, Dioxin Soil Removal Area
Nevada Environmental Response Trust Site
Henderson, Nevada

Category	Analyte	Site Screening Criteria	Screening Reference	Hazardous Waste Criteria or TCLP Trigger Value	Unit	7-Point Composite
Metals	Arsenic	7.2	Site Specific Criteria ²	100	mg/kg	4.4
	Barium	100,000	NDEP BCL - Outdoor IC Worker	2,000	mg/kg	140
	Boron	100,000	NDEP BCL - Outdoor IC Worker	--	mg/kg	4.3
	Chromium	100,000	NDEP BCL - Outdoor IC Worker	100	mg/kg	12
	Hexavalent Chromium	7.01	NDEP BCL - Outdoor IC Worker	100	mg/kg	ND<0.32
	Iron	100,000	NDEP BCL - Outdoor IC Worker	--	mg/kg	15,000
	Lead	800	NDEP BCL - Outdoor IC Worker	100	mg/kg	9.0
	Magnesium	100,000	NDEP BCL - Outdoor IC Worker	--	mg/kg	11,000
	Manganese	28,100	NDEP BCL - Outdoor IC Worker	--	mg/kg	340
	Mercury	3.13	NDEP BCL - Outdoor IC Worker	4	mg/kg	0.029
VOCs	Acetone	100,000	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.028
	Tert-Butyl Alcohol	21,300	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.011
SVOCs	Hexachlorobenzene	0.231	NDEP BCL - Outdoor IC Worker	2.6	mg/kg	0.82
	Octachlorostyrene	--	N/A	--	mg/kg	0.15
OCPs	beta-BHC	1.73	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.031
	4,4-DDD	15.1	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.0024
	2,4-DDE	9.5	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.038
	4,4-DDE	9.5	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.055
	4,4-DDT	7.55	NDEP BCL - Outdoor IC Worker	--	mg/kg	0.015
PCBs	EPA 8082	1.15	NDEP BCL - Outdoor IC Worker	--	mg/kg	ND<0.053
Others	Dioxin TEQ¹	2,700	Site Specific Criteria ²	--	pg/g	610.6
	Perchlorate	908	NDEP BCL - Outdoor IC Worker	--	mg/kg	43
	Chloride	2,770	NDEP BCL - Outdoor IC Worker	--	mg/kg	370
	Cyanide	779	NDEP BCL - Outdoor IC Worker	--	mg/kg	ND<0.55
	Ignitability	--	N/A	Yes or No	N/A	Not Ignitable
	Nitrate as NO₃	100,000	NDEP BCL - Outdoor IC Worker	--	mg/kg	9.3
	pH	--	N/A	<2 or >12.5	pH units	9.6

Notes:

Only detected compounds are shown on the table.

Results are presented in milligrams per kilogram (mg/kg) except where indicated.

pg/g = picograms per gram

ND<## = Not Detected at or above laboratory reporting limit shown.

BCL: Basic Comparison Level

BHC = hexachlorocyclohexane

DDD = Dichlorodiphenyldichloroethane

DDE = Dichlorodiphenyldichloroethene

DDT = Dichlorodiphenyltrichloroethane

HCB = Hexachlorobenzene

IC = Industrial/Commercial

OCP = Organochlorine pesticides

RCRA = Resource Conservation and Recovery Act

SVOC = Semivolatile Organic Compound

TCLP = Toxicity Characteristic Leaching Procedure

TEQ = Toxicity Equivalent

VOC = Volatile Organic Compound

1: Dioxin TEQ calculated based on the World Health Organization (WHO) toxicity equivalency factors (TEFs) scheme (van den Berg et al. 2006).

Nondetects were addressed using the Kaplan-Meier approach from USEPA's TEQ calculator.

2: Arsenic and Dioxin TEQ site-specific screening criteria based on Table 1, Site Management Plan, Revision 4

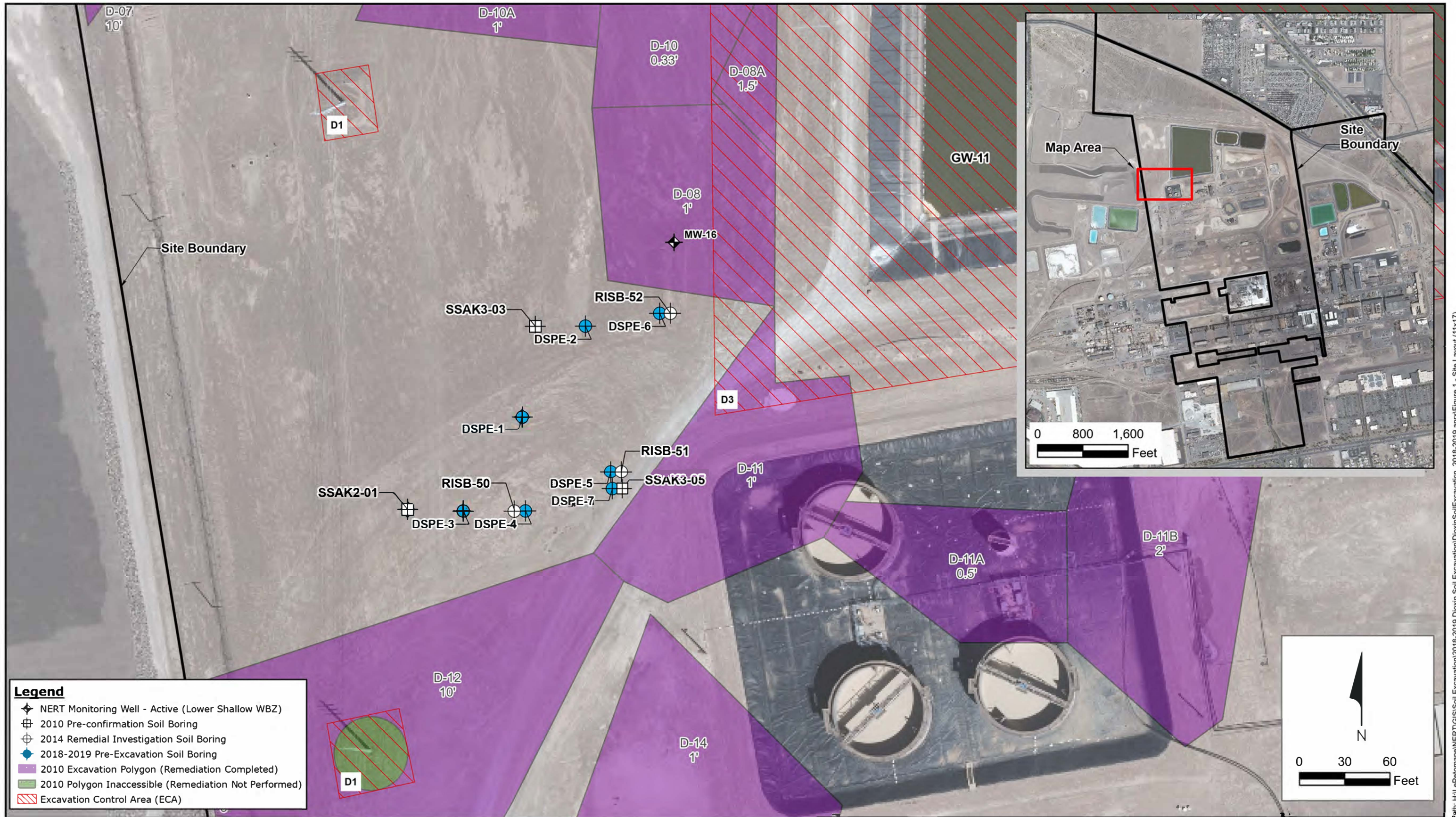
NDEP. 2017a. User's Guide and Background Technical Document for the NDEP BCLs for Human Health for the BMI Complex and Common Areas. July 14.

NDEP. 2017b. Basic Comparison Levels. July.

Van den Berg M. et al. 2006. The 2005 World Health Organization Reevaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-like Compounds. Toxicology. Science 92:223-241.

Ramboll, 2018a. Site Management Plan, Revision 4; Nevada Environmental Response Trust Site; Henderson, Nevada. March 22. NDEP approved March 29, 2018.

FIGURES



- Legend**
- ◆ NERT Monitoring Well - Active (Lower Shallow WBZ)
 - ⊕ 2010 Pre-confirmation Soil Boring
 - ⊕ 2014 Remedial Investigation Soil Boring
 - ◆ 2018-2019 Pre-Excavation Soil Boring
 - 2010 Excavation Polygon (Remediation Completed)
 - 2010 Polygon Inaccessible (Remediation Not Performed)
 - ▨ Excavation Control Area (ECA)



Site Layout
 Report of Soil Removal Action, Dioxin Soil Removal Area
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure
1

Drafter: JDK

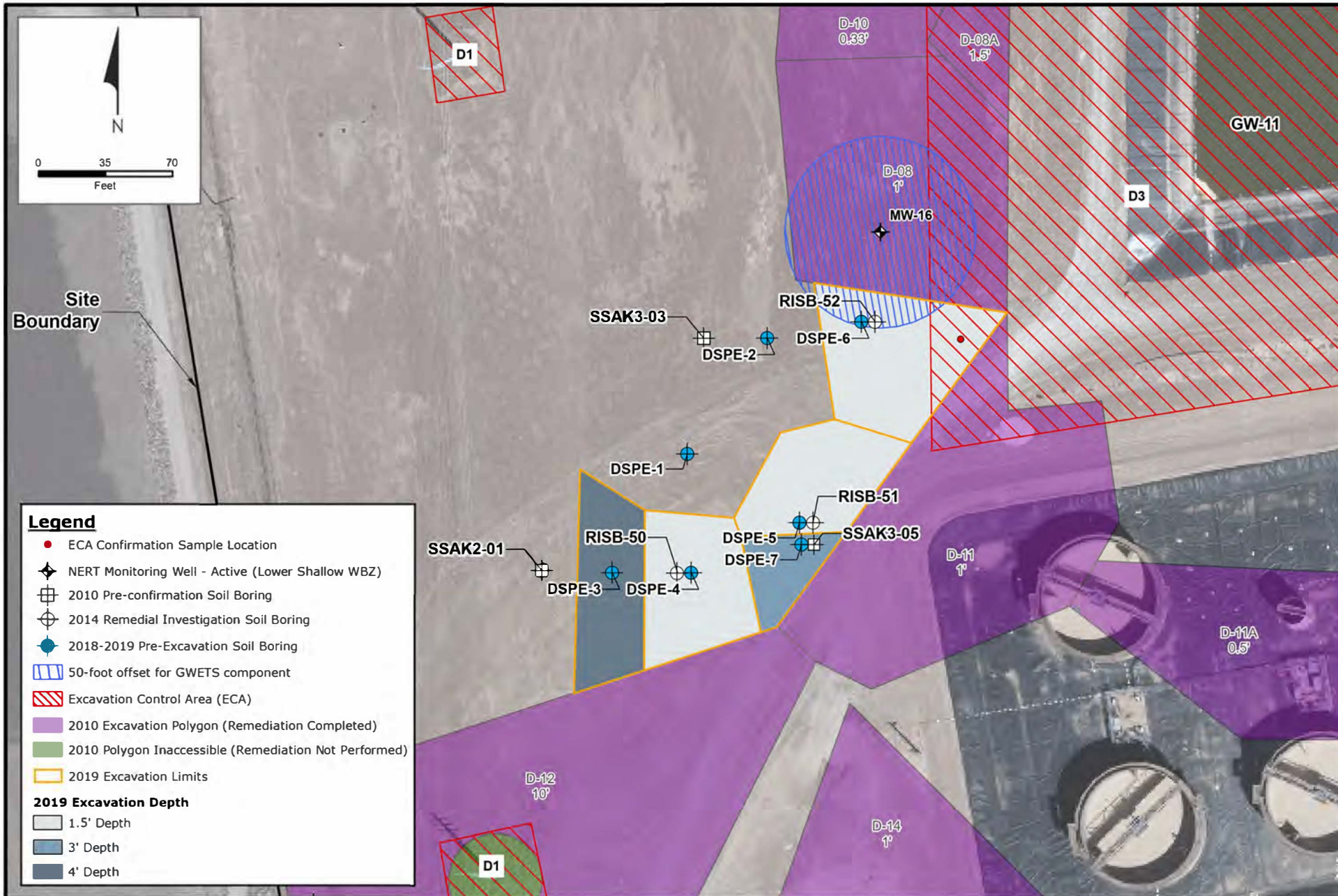
Date: 2020-01-28

Contract Number: 1690011198-012

Approved:

Revised:

Path: H:\LePetomane\NERT\GIS\Soil Excavation\2018-2019 Dioxin Soil Excavation\DioxinSoilExcavation_2018-2019.aprx|Figure 1 - Site Layout (11x17)



Final Excavation Boundaries, Depths, and Sample Locations
 Report of Soil Removal Action, Dioxin Soil Removal Area
 Nevada Environmental Response Trust Site; Henderson, Nevada

Figure

2

Drafter: RS

Date: 2020-01-28

Contract Number: 1690011198-012

Approved:

Revised:



**ATTACHMENT A
LABORATORY ANALYTICAL REPORTS**

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-234894-1

Client Project/Site: NERT Dioxin impacted soil

For:

Ramboll US Corporation

2200 Powell Street

Suite 700

Emeryville, California 94608

Attn: Mr. Dan Clark



Authorized for release by:

3/6/2019 6:41:26 PM

Patty Mata, Senior Project Manager

(949)261-1022

patty.mata@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-234894-1	DSPE-3-RE-1.5-20190227	Solid	02/27/19 09:20	02/28/19 10:30
440-234894-2	DSPE-3-RE-2.5-20190227	Solid	02/27/19 09:30	02/28/19 10:30
440-234894-3	DSPE-3-RE-3.5-20190227	Solid	02/27/19 09:40	02/28/19 10:30
440-234894-4	DSPE-4-RE-1.0-20190227	Solid	02/27/19 08:25	02/28/19 10:30
440-234894-5	DSPE-5-RE-1.0-20190227	Solid	02/27/19 08:35	02/28/19 10:30
440-234894-6	DSPE-6-RE-1.0-20190227	Solid	02/27/19 09:10	02/28/19 10:30
440-234894-7	DSPE-7-RE-3.0-20190227	Solid	02/27/19 08:55	02/28/19 10:30



Case Narrative

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Job ID: 440-234894-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-234894-1

Comments

No additional comments.

Receipt

The samples were received on 2/28/2019 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

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

GC/MS Semi VOA

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-531724 and analytical batch 440-531819 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 440-531724 and analytical batch 440-531819 was outside control limits. Sample matrix interference is suspected.

Method(s) 8270C: The percent recovery of Benzidine in the laboratory control sample (LCS) for preparation batch 440-531724 and analytical batch 440-531819 was below the acceptance limits. Per the EPA method, this compound is subject to oxidative loss during sample preparation and as a consequence yields erratic recoveries. As a result, Benzidine is reported with possible low bias for the associated samples.

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

HPLC/IC

Method(s) 314.0: The following samples were diluted for Perchlorate to bring the concentration of target analyte within the calibration range: DSPE-3-RE-2.5-20190227 (440-234894-2), DSPE-4-RE-1.0-20190227 (440-234894-4), DSPE-6-RE-1.0-20190227 (440-234894-6) and DSPE-7-RE-3.0-20190227 (440-234894-7). An elevated reporting limit (RL) has been provided.

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

GC VOA

Method(s) 8015B: The continuing calibration blank (CCB) for analytical batch 440-531735 contained GRO (C4-C12) above the method detection limit (MDL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

GC Semi VOA

Method(s) 8082: Surrogate recoveries for the following samples were outside control limits: DSPE-4-RE-1.0-20190227 (440-234894-4), DSPE-5-RE-1.0-20190227 (440-234894-5) and DSPE-6-RE-1.0-20190227 (440-234894-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8015B: The method blank for preparation batch 440-532305 and analytical batch 440-532338 contained C23-C40 above the method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

Metals

Method(s) 6010B: The method blank for preparation batch 550-171233 and analytical batch 550-171319 contained Barium above the

Case Narrative

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Job ID: 440-234894-1 (Continued)

Laboratory: TestAmerica Irvine (Continued)

method detection limit (MDL). This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

VOA Prep

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

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Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-1.5-20190227

Lab Sample ID: 440-234894-1

Date Collected: 02/27/19 09:20

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 90.5

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0088	mg/Kg	*		03/02/19 15:31	1
Benzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Bromobenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Bromochloromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Bromodichloromethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Bromoform	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Bromomethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
2-Butanone (MEK)	ND		0.011	0.0055	mg/Kg	*		03/02/19 15:31	1
Carbon tetrachloride	ND		0.0022	0.00055	mg/Kg	*		03/02/19 15:31	1
Chlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Chloroethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Chloroform	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Chloromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
2-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
4-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
cis-1,2-Dichloroethene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
cis-1,3-Dichloropropene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Dibromochloromethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,2-Dibromo-3-Chloropropane	ND		0.0055	0.0022	mg/Kg	*		03/02/19 15:31	1
1,2-Dibromoethane (EDB)	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Dibromomethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,2-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,3-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,4-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Dichlorodifluoromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
1,1-Dichloroethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,2-Dichloroethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,1-Dichloroethene	ND		0.0022	0.00055	mg/Kg	*		03/02/19 15:31	1
1,2-Dichloropropane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
1,3-Dichloropropane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
2,2-Dichloropropane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
1,1-Dichloropropene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Ethylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Ethyl-t-butyl ether (ETBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Hexachlorobutadiene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
2-Hexanone	ND		0.011	0.0055	mg/Kg	*		03/02/19 15:31	1
Isopropylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
Isopropyl Ether (DIPE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Methylene Chloride	ND		0.011	0.0055	mg/Kg	*		03/02/19 15:31	1
4-Methyl-2-pentanone (MIBK)	ND		0.0055	0.0022	mg/Kg	*		03/02/19 15:31	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
m,p-Xylene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Naphthalene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
n-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
N-Propylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
o-Xylene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
p-Isopropyltoluene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1
sec-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 15:31	1
Styrene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 15:31	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-1.5-20190227

Lab Sample ID: 440-234894-1

Date Collected: 02/27/19 09:20

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 90.5

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
tert-Butyl alcohol (TBA)	ND		0.055	0.011	mg/Kg	☼		03/02/19 15:31	1
tert-Butylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,1,1,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,1,2,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
Tetrachloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
Toluene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
trans-1,2-Dichloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
trans-1,3-Dichloropropene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
1,2,3-Trichlorobenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,2,4-Trichlorobenzene	ND		0.0055	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,1,1-Trichloroethane	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
1,1,2-Trichloroethane	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
Trichloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 15:31	1
Trichlorofluoromethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,2,3-Trichloropropane	ND		0.011	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,2,4-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
1,3,5-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
Vinyl chloride	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 15:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		79 - 120					03/02/19 15:31	1
Dibromofluoromethane (Surr)	108		60 - 120					03/02/19 15:31	1
Toluene-d8 (Surr)	97		79 - 123					03/02/19 15:31	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		440	160	ug/Kg	☼		03/01/19 16:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		65 - 140					03/01/19 16:59	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.5	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 21:46	1
ORO (C23-C40)	3.1	J	5.5	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	46		40 - 140				02/28/19 15:27	02/28/19 21:46	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
alpha-BHC	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
cis-Chlordane	ND		0.0055	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
beta-BHC	0.0038	J	0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
4,4'-DDD	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
2,4'-DDE	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
4,4'-DDE	0.0027	J	0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
4,4'-DDT	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
delta-BHC	ND		0.011	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-1.5-20190227

Lab Sample ID: 440-234894-1

Date Collected: 02/27/19 09:20

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 90.5

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endosulfan I	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endosulfan II	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endosulfan sulfate	ND		0.011	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endrin	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endrin aldehyde	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Endrin ketone	ND		0.0055	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
gamma-BHC (Lindane)	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
trans-Chlordane	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Heptachlor	ND		0.0055	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Heptachlor epoxide	ND		0.0055	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Methoxychlor	ND		0.0055	0.0017	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Toxaphene	ND		0.22	0.055	mg/Kg	☼	03/01/19 13:14	03/04/19 16:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	58		21 - 117				03/01/19 13:14	03/04/19 16:56	1
Tetrachloro-m-xylene	46		28 - 115				03/01/19 13:14	03/04/19 16:56	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.7		3.3	0.60	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Barium	150	F1 B	5.5	0.11	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Cadmium	ND		0.55	0.027	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Chromium	8.1		2.2	0.24	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Lead	6.5		1.1	0.15	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Selenium	ND	F1	5.5	0.61	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1
Silver	ND		2.7	0.15	mg/Kg	☼	03/06/19 09:27	03/06/19 16:35	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.11	mg/Kg	☼	03/06/19 09:39	03/06/19 14:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.5		0.1	0.1	%			03/01/19 19:45	1

Client Sample ID: DSPE-3-RE-2.5-20190227

Lab Sample ID: 440-234894-2

Date Collected: 02/27/19 09:30

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.9

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	F1	0.022	0.0086	mg/Kg	☼		03/02/19 14:04	1
Benzene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
Bromobenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
Bromochloromethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
Bromodichloromethane	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
Bromoform	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
Bromomethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
2-Butanone (MEK)	ND		0.011	0.0054	mg/Kg	☼		03/02/19 14:04	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-2.5-20190227

Lab Sample ID: 440-234894-2

Date Collected: 02/27/19 09:30

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.9

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.0022	0.00054	mg/Kg	*		03/02/19 14:04	1
Chlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Chloroethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Chloroform	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Chloromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
2-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
4-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
cis-1,2-Dichloroethene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
cis-1,3-Dichloropropene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Dibromochloromethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,2-Dibromo-3-Chloropropane	ND		0.0054	0.0022	mg/Kg	*		03/02/19 14:04	1
1,2-Dibromoethane (EDB)	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Dibromomethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,2-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,3-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,4-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Dichlorodifluoromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
1,1-Dichloroethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,2-Dichloroethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,1-Dichloroethene	ND		0.0022	0.00054	mg/Kg	*		03/02/19 14:04	1
1,2-Dichloropropane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
1,3-Dichloropropane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
2,2-Dichloropropane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
1,1-Dichloropropene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Ethylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Ethyl-t-butyl ether (ETBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Hexachlorobutadiene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
2-Hexanone	ND		0.011	0.0054	mg/Kg	*		03/02/19 14:04	1
Isopropylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Isopropyl Ether (DIPE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Methylene Chloride	ND		0.011	0.0054	mg/Kg	*		03/02/19 14:04	1
4-Methyl-2-pentanone (MIBK)	ND		0.0054	0.0027	mg/Kg	*		03/02/19 14:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
m,p-Xylene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Naphthalene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
n-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
N-Propylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
o-Xylene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
p-Isopropyltoluene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
sec-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Styrene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Tert-amyl-methyl ether (TAME)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
tert-Butyl alcohol (TBA)	ND		0.054	0.011	mg/Kg	*		03/02/19 14:04	1
tert-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
1,1,1,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
1,1,2,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 14:04	1
Tetrachloroethene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
Toluene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1
trans-1,2-Dichloroethene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 14:04	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-2.5-20190227

Lab Sample ID: 440-234894-2

Date Collected: 02/27/19 09:30

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.9

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
1,2,3-Trichlorobenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
1,2,4-Trichlorobenzene	ND		0.0054	0.0011	mg/Kg	☼		03/02/19 14:04	1
1,1,1-Trichloroethane	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
1,1,2-Trichloroethane	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
Trichloroethene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 14:04	1
Trichlorofluoromethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
1,2,3-Trichloropropane	ND		0.011	0.0011	mg/Kg	☼		03/02/19 14:04	1
1,2,4-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
1,3,5-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
Vinyl chloride	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 120					03/02/19 14:04	1
Dibromofluoromethane (Surr)	107		60 - 120					03/02/19 14:04	1
Toluene-d8 (Surr)	94		79 - 123					03/02/19 14:04	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		430	160	ug/Kg	☼		03/01/19 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		65 - 140					03/01/19 18:29	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.4	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 22:48	1
ORO (C23-C40)	3.1	J	5.4	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	43		40 - 140				02/28/19 15:27	02/28/19 22:48	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
alpha-BHC	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
cis-Chlordane	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
beta-BHC	0.0028	J	0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
4,4'-DDD	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
2,4'-DDE	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
4,4'-DDE	0.0016	J	0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
4,4'-DDT	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
delta-BHC	ND		0.011	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Dieldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endosulfan I	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endosulfan II	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endosulfan sulfate	ND		0.011	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endrin aldehyde	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Endrin ketone	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
gamma-BHC (Lindane)	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-2.5-20190227

Lab Sample ID: 440-234894-2

Date Collected: 02/27/19 09:30

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.9

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Heptachlor	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Heptachlor epoxide	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Methoxychlor	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1
Toxaphene	ND		0.22	0.054	mg/Kg	☼	03/01/19 13:14	03/04/19 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		21 - 117	03/01/19 13:14	03/04/19 17:22	1
Tetrachloro-m-xylene	46		28 - 115	03/01/19 13:14	03/04/19 17:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1221	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1232	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1242	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1248	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1254	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1
Aroclor 1260	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 11:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	112		45 - 120	03/04/19 06:59	03/05/19 11:50	1

Method: 314.0 - Perchlorate (IC) - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	9.7		0.54	0.15	mg/Kg	☼		03/04/19 17:25	50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.7		3.2	0.58	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Barium	150	B	5.3	0.11	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Cadmium	ND		0.53	0.026	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Chromium	8.6		2.1	0.23	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Lead	5.4		1.1	0.14	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Selenium	ND		5.3	0.59	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1
Silver	ND		2.6	0.15	mg/Kg	☼	03/06/19 09:27	03/06/19 16:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.11	mg/Kg	☼	03/06/19 09:39	03/06/19 14:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	Not Ignitable		1.0	1.0	NONE			03/04/19 13:50	1
Percent Moisture	8.1		0.1	0.1	%			03/01/19 19:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6	HF	0.1	0.1	SU			03/05/19 17:13	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-3.5-20190227

Lab Sample ID: 440-234894-3

Date Collected: 02/27/19 09:40

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 92.3

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0086	mg/Kg	*		03/02/19 16:00	1
Benzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Bromobenzene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Bromochloromethane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Bromodichloromethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Bromoform	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Bromomethane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
2-Butanone (MEK)	ND		0.011	0.0054	mg/Kg	*		03/02/19 16:00	1
Carbon tetrachloride	ND		0.0021	0.00054	mg/Kg	*		03/02/19 16:00	1
Chlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Chloroethane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Chloroform	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Chloromethane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
2-Chlorotoluene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
4-Chlorotoluene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
cis-1,2-Dichloroethene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
cis-1,3-Dichloropropene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Dibromochloromethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,2-Dibromo-3-Chloropropane	ND		0.0054	0.0021	mg/Kg	*		03/02/19 16:00	1
1,2-Dibromoethane (EDB)	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Dibromomethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,2-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,3-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,4-Dichlorobenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Dichlorodifluoromethane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
1,1-Dichloroethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,2-Dichloroethane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,1-Dichloroethene	ND		0.0021	0.00054	mg/Kg	*		03/02/19 16:00	1
1,2-Dichloropropane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
1,3-Dichloropropane	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
2,2-Dichloropropane	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
1,1-Dichloropropene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Ethylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Ethyl-t-butyl ether (ETBE)	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Hexachlorobutadiene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
2-Hexanone	ND		0.011	0.0054	mg/Kg	*		03/02/19 16:00	1
Isopropylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
Isopropyl Ether (DIPE)	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Methylene Chloride	ND		0.011	0.0054	mg/Kg	*		03/02/19 16:00	1
4-Methyl-2-pentanone (MIBK)	ND		0.0054	0.0027	mg/Kg	*		03/02/19 16:00	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
m,p-Xylene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Naphthalene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
n-Butylbenzene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
N-Propylbenzene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
o-Xylene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
p-Isopropyltoluene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1
sec-Butylbenzene	ND		0.0021	0.0011	mg/Kg	*		03/02/19 16:00	1
Styrene	ND		0.0011	0.00054	mg/Kg	*		03/02/19 16:00	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-3.5-20190227

Lab Sample ID: 440-234894-3

Date Collected: 02/27/19 09:40

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 92.3

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
tert-Butyl alcohol (TBA)	ND		0.054	0.011	mg/Kg	☼		03/02/19 16:00	1
tert-Butylbenzene	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,1,1,2-Tetrachloroethane	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,1,2,2-Tetrachloroethane	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
Tetrachloroethene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
Toluene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
trans-1,2-Dichloroethene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
trans-1,3-Dichloropropene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
1,2,3-Trichlorobenzene	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,2,4-Trichlorobenzene	ND		0.0054	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,1,1-Trichloroethane	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
1,1,2-Trichloroethane	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
Trichloroethene	ND		0.0011	0.00054	mg/Kg	☼		03/02/19 16:00	1
Trichlorofluoromethane	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,2,3-Trichloropropane	ND		0.011	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,2,4-Trimethylbenzene	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
1,3,5-Trimethylbenzene	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
Vinyl chloride	ND		0.0021	0.0011	mg/Kg	☼		03/02/19 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 120					03/02/19 16:00	1
Dibromofluoromethane (Surr)	109		60 - 120					03/02/19 16:00	1
Toluene-d8 (Surr)	95		79 - 123					03/02/19 16:00	1

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		430	160	ug/Kg	☼		03/01/19 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		65 - 140					03/01/19 18:57	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.4	2.7	mg/Kg	☼	03/05/19 06:38	03/05/19 16:06	1
ORO (C23-C40)	4.3	J B	5.4	2.7	mg/Kg	☼	03/05/19 06:38	03/05/19 16:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	80		40 - 140				03/05/19 06:38	03/05/19 16:06	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
alpha-BHC	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
cis-Chlordane	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
beta-BHC	0.0045	J	0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
4,4'-DDD	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
2,4'-DDE	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
4,4'-DDE	0.0039	J	0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
4,4'-DDT	0.0023	J	0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
delta-BHC	ND		0.011	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-3.5-20190227

Lab Sample ID: 440-234894-3

Date Collected: 02/27/19 09:40

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 92.3

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dieldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endosulfan I	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endosulfan II	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endosulfan sulfate	ND		0.011	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endrin aldehyde	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Endrin ketone	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
gamma-BHC (Lindane)	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
trans-Chlordane	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Heptachlor	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Heptachlor epoxide	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Methoxychlor	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Toxaphene	ND		0.22	0.054	mg/Kg	☼	03/01/19 13:14	03/04/19 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	114		21 - 117				03/01/19 13:14	03/04/19 17:47	1
Tetrachloro-m-xylene	45		28 - 115				03/01/19 13:14	03/04/19 17:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		3.1	0.57	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Barium	150	B	5.2	0.10	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Cadmium	0.040	J	0.52	0.026	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Chromium	7.4		2.1	0.22	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Lead	6.0		1.0	0.14	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Selenium	ND		5.2	0.58	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1
Silver	ND		2.6	0.15	mg/Kg	☼	03/06/19 09:27	03/06/19 16:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.11	mg/Kg	☼	03/06/19 09:39	03/06/19 14:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		0.1	0.1	%			03/01/19 19:45	1

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.55	0.29	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Acenaphthylene	ND		0.55	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Aniline	ND		1.1	0.31	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Anthracene	ND		0.55	0.13	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Benzidine	ND	*	2.9	0.37	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Benzo[a]anthracene	ND		0.55	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Benzo[a]pyrene	ND		0.55	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Benzo[b]fluoranthene	ND		0.55	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.55	0.18	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Benzoic acid	ND		1.6	0.79	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Benzo[k]fluoranthene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Benzyl alcohol	ND		2.9	0.90	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Bis(2-chloroethoxy)methane	ND		0.55	0.22	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Bis(2-chloroethyl)ether	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Bis(2-ethylhexyl) phthalate	ND		0.55	0.15	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Bromophenyl phenyl ether	ND		0.55	0.12	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Butyl benzyl phthalate	ND		0.55	0.13	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Chloroaniline	ND		1.1	0.33	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Chloro-3-methylphenol	ND		0.88	0.33	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Chloronaphthalene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Chlorophenol	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Chlorophenyl phenyl ether	ND		1.1	0.44	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Chrysene	ND		0.55	0.12	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Dibenz(a,h)anthracene	ND		0.55	0.16	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Dibenzofuran	ND		0.55	0.31	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
3,3'-Dichlorobenzidine	ND		1.1	0.24	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2,4-Dichlorophenol	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Diethyl phthalate	ND		0.55	0.16	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2,4-Dimethylphenol	ND		0.55	0.21	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Dimethyl phthalate	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Di-n-butyl phthalate	ND		0.55	0.15	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2,4-Dinitrophenol	ND		2.2	1.6	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2,4-Dinitrotoluene	ND		0.55	0.13	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2,6-Dinitrotoluene	ND		0.55	0.16	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Di-n-octyl phthalate	ND		0.55	0.15	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Fluoranthene	ND		0.72	0.35	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Fluorene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Hexachlorobenzene	14		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Hexachlorocyclopentadiene	ND		1.6	0.68	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Hexachloroethane	ND		0.55	0.15	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Indeno[1,2,3-cd]pyrene	ND		0.55	0.21	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Isophorone	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
1-Methylnaphthalene	ND		0.55	0.24	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Methylnaphthalene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Methylphenol	ND		0.55	0.13	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
3-Methylphenol + 4-Methylphenol	ND		0.55	0.22	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Naphthalene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Nitroaniline	ND		0.55	0.37	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
3-Nitroaniline	ND		0.55	0.22	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Nitroaniline	ND		1.1	0.22	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Nitrobenzene	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
2-Nitrophenol	ND		0.55	0.22	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
4-Nitrophenol	ND		2.2	1.1	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
N-Nitrosodi-n-propylamine	ND		0.55	0.11	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
N-Nitrosodiphenylamine	ND		1.1	0.35	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Octachlorostyrene	2.0		1.4	0.26	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2
Pentachlorophenol	ND		1.1	0.57	mg/Kg	*	03/01/19 07:13	03/04/19 19:28	2

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.72	0.33	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Phenol	ND		0.55	0.15	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Pyrene	ND		0.55	0.22	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
Pyridine	ND		0.75	0.24	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
2,4,5-Trichlorophenol	ND		1.1	0.44	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2
2,4,6-Trichlorophenol	ND		1.1	0.35	mg/Kg	☼	03/01/19 07:13	03/04/19 19:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	71		42 - 113	03/01/19 07:13	03/04/19 19:28	2
2-Fluorophenol (Surr)	63		18 - 138	03/01/19 07:13	03/04/19 19:28	2
Nitrobenzene-d5 (Surr)	67		39 - 104	03/01/19 07:13	03/04/19 19:28	2
Phenol-d6 (Surr)	63		37 - 125	03/01/19 07:13	03/04/19 19:28	2
Terphenyl-d14 (Surr)	75		43 - 125	03/01/19 07:13	03/04/19 19:28	2
2,4,6-Tribromophenol (Surr)	63		10 - 147	03/01/19 07:13	03/04/19 19:28	2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1221	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1232	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1242	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1248	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1254	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1
Aroclor 1260	ND		56	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	1245	X	45 - 120	03/04/19 06:59	03/05/19 12:04	1

Method: 314.0 - Perchlorate (IC) - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	36		2.2	0.62	mg/Kg	☼		03/04/19 17:48	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	Not Ignitable		1.0	1.0	NONE			03/04/19 13:50	1
Percent Moisture	10.1		0.1	0.1	%			03/01/19 19:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.6	HF	0.1	0.1	SU			03/05/19 17:13	1

Client Sample ID: DSPE-5-RE-1.0-20190227

Lab Sample ID: 440-234894-5

Date Collected: 02/27/19 08:35

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Aroclor 1221	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Aroclor 1232	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-5-RE-1.0-20190227

Lab Sample ID: 440-234894-5

Date Collected: 02/27/19 08:35

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1242	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Aroclor 1248	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Aroclor 1254	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Aroclor 1260	ND		53	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	138	X	45 - 120				03/04/19 06:59	03/05/19 12:17	1

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	0.24		0.011	0.0030	mg/Kg	☼		03/04/19 18:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	Not Ignitable		1.0	1.0	NONE			03/04/19 13:50	1
Percent Moisture	6.0		0.1	0.1	%			03/01/19 19:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.5	HF	0.1	0.1	SU			03/05/19 17:13	1

Client Sample ID: DSPE-6-RE-1.0-20190227

Lab Sample ID: 440-234894-6

Date Collected: 02/27/19 09:10

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 93.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1221	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1232	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1242	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1248	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1254	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Aroclor 1260	ND		54	18	ug/Kg	☼	03/04/19 06:59	03/05/19 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	562	X	45 - 120				03/04/19 06:59	03/05/19 12:30	1

Method: 314.0 - Perchlorate (IC) - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	20		11	3.0	mg/Kg	☼		03/04/19 18:34	1000

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	Not Ignitable		1.0	1.0	NONE			03/04/19 13:50	1
Percent Moisture	6.8		0.1	0.1	%			03/01/19 19:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.0	HF	0.1	0.1	SU			03/05/19 17:13	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.3

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.022	0.0087	mg/Kg	*		03/02/19 16:29	1
Benzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Bromobenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Bromochloromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Bromodichloromethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Bromoform	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Bromomethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
2-Butanone (MEK)	ND		0.011	0.0055	mg/Kg	*		03/02/19 16:29	1
Carbon tetrachloride	ND		0.0022	0.00055	mg/Kg	*		03/02/19 16:29	1
Chlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Chloroethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Chloroform	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Chloromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
2-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
4-Chlorotoluene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
cis-1,2-Dichloroethene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
cis-1,3-Dichloropropene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Dibromochloromethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,2-Dibromo-3-Chloropropane	ND		0.0055	0.0022	mg/Kg	*		03/02/19 16:29	1
1,2-Dibromoethane (EDB)	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Dibromomethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,2-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,3-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,4-Dichlorobenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Dichlorodifluoromethane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
1,1-Dichloroethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,2-Dichloroethane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,1-Dichloroethene	ND		0.0022	0.00055	mg/Kg	*		03/02/19 16:29	1
1,2-Dichloropropane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
1,3-Dichloropropane	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
2,2-Dichloropropane	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
1,1-Dichloropropene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Ethylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Ethyl-t-butyl ether (ETBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Hexachlorobutadiene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
2-Hexanone	ND		0.011	0.0055	mg/Kg	*		03/02/19 16:29	1
Isopropylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
Isopropyl Ether (DIPE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Methylene Chloride	ND		0.011	0.0055	mg/Kg	*		03/02/19 16:29	1
4-Methyl-2-pentanone (MIBK)	ND		0.0055	0.0027	mg/Kg	*		03/02/19 16:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
m,p-Xylene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Naphthalene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
n-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
N-Propylbenzene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
o-Xylene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
p-Isopropyltoluene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1
sec-Butylbenzene	ND		0.0022	0.0011	mg/Kg	*		03/02/19 16:29	1
Styrene	ND		0.0011	0.00055	mg/Kg	*		03/02/19 16:29	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.3

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tert-amyl-methyl ether (TAME)	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
tert-Butyl alcohol (TBA)	ND		0.055	0.011	mg/Kg	☼		03/02/19 16:29	1
tert-Butylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,1,1,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,1,2,2-Tetrachloroethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
Tetrachloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
Toluene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
trans-1,2-Dichloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
trans-1,3-Dichloropropene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
1,2,3-Trichlorobenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,2,4-Trichlorobenzene	ND		0.0055	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,1,1-Trichloroethane	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
1,1,2-Trichloroethane	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
Trichloroethene	ND		0.0011	0.00055	mg/Kg	☼		03/02/19 16:29	1
Trichlorofluoromethane	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,2,3-Trichloropropane	ND		0.011	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,2,4-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
1,3,5-Trimethylbenzene	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1
Vinyl chloride	ND		0.0022	0.0011	mg/Kg	☼		03/02/19 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		79 - 120		03/02/19 16:29	1
Dibromofluoromethane (Surr)	107		60 - 120		03/02/19 16:29	1
Toluene-d8 (Surr)	95		79 - 123		03/02/19 16:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.27	0.14	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Acenaphthylene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Aniline	ND		0.55	0.15	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Anthracene	ND		0.27	0.065	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzidine	ND *		1.4	0.19	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzo[a]anthracene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzo[a]pyrene	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzo[b]fluoranthene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzo[g,h,i]perylene	ND		0.27	0.089	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzoic acid	ND		0.82	0.39	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzo[k]fluoranthene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Benzyl alcohol	ND		1.4	0.45	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Bis(2-chloroethoxy)methane	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Bis(2-chloroethyl)ether	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Bis(2-ethylhexyl) phthalate	ND		0.27	0.074	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Bromophenyl phenyl ether	ND		0.27	0.061	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Butyl benzyl phthalate	ND		0.27	0.065	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Chloroaniline	ND		0.55	0.16	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Chloro-3-methylphenol	ND		0.44	0.16	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Chloronaphthalene	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Chlorophenol	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Chlorophenyl phenyl ether	ND		0.55	0.22	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Chrysene	ND		0.27	0.061	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.27	0.082	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Dibenzofuran	ND		0.27	0.15	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
3,3'-Dichlorobenzidine	ND		0.55	0.12	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4-Dichlorophenol	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Diethyl phthalate	ND		0.27	0.077	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4-Dimethylphenol	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Dimethyl phthalate	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Di-n-butyl phthalate	ND		0.27	0.074	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4-Dinitrophenol	ND		1.1	0.82	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4-Dinitrotoluene	ND		0.27	0.065	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,6-Dinitrotoluene	ND		0.27	0.077	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Di-n-octyl phthalate	ND		0.27	0.074	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Fluoranthene	ND		0.36	0.17	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Fluorene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Hexachlorobenzene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Hexachlorocyclopentadiene	ND		0.82	0.34	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Hexachloroethane	ND		0.27	0.076	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Indeno[1,2,3-cd]pyrene	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Isophorone	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
1-Methylnaphthalene	ND		0.27	0.12	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Methylnaphthalene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Methylphenol	ND		0.27	0.065	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
3-Methylphenol + 4-Methylphenol	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Naphthalene	ND		0.27	0.055	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Nitroaniline	ND		0.27	0.19	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
3-Nitroaniline	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Nitroaniline	ND		0.55	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Nitrobenzene	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2-Nitrophenol	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
4-Nitrophenol	ND		1.1	0.55	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
N-Nitrosodi-n-propylamine	ND		0.27	0.057	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
N-Nitrosodiphenylamine	ND		0.55	0.17	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Octachlorostyrene	ND		0.71	0.13	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Pentachlorophenol	ND		0.55	0.28	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Phenanthrene	ND		0.36	0.16	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Phenol	ND		0.27	0.074	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Pyrene	ND		0.27	0.11	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
Pyridine	ND		0.37	0.12	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4,5-Trichlorophenol	ND		0.55	0.22	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1
2,4,6-Trichlorophenol	ND		0.55	0.17	mg/Kg	☼	03/01/19 07:13	03/04/19 19:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	75		42 - 113	03/01/19 07:13	03/04/19 19:54	1
2-Fluorophenol (Surr)	69		18 - 138	03/01/19 07:13	03/04/19 19:54	1
Nitrobenzene-d5 (Surr)	70		39 - 104	03/01/19 07:13	03/04/19 19:54	1
Phenol-d6 (Surr)	69		37 - 125	03/01/19 07:13	03/04/19 19:54	1
Terphenyl-d14 (Surr)	81		43 - 125	03/01/19 07:13	03/04/19 19:54	1
2,4,6-Tribromophenol (Surr)	74		10 - 147	03/01/19 07:13	03/04/19 19:54	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.3

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C4-C12)	ND		440	160	ug/Kg	☼		03/01/19 20:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		65 - 140					03/01/19 20:43	1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.5	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 23:29	1
ORO (C23-C40)	4.3	J	5.5	2.7	mg/Kg	☼	02/28/19 15:27	02/28/19 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Octacosane	68		40 - 140				02/28/19 15:27	02/28/19 23:29	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
alpha-BHC	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
cis-Chlordane	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
beta-BHC	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
4,4'-DDD	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
2,4'-DDE	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
4,4'-DDE	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
4,4'-DDT	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
delta-BHC	ND		0.011	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Dieldrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endosulfan I	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endosulfan II	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endosulfan sulfate	ND		0.011	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endrin	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endrin aldehyde	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Endrin ketone	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
gamma-BHC (Lindane)	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
trans-Chlordane	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Heptachlor	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Heptachlor epoxide	ND		0.0054	0.0022	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Methoxychlor	ND		0.0054	0.0016	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Toxaphene	ND		0.22	0.054	mg/Kg	☼	03/01/19 13:14	03/04/19 18:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	59		21 - 117				03/01/19 13:14	03/04/19 18:13	1
Tetrachloro-m-xylene	46		28 - 115				03/01/19 13:14	03/04/19 18:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1221	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1232	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1242	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1248	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1254	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1
Aroclor 1260	ND		55	19	ug/Kg	☼	03/04/19 06:59	03/05/19 12:44	1

TestAmerica Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		45 - 120	03/04/19 06:59	03/05/19 12:44	1

Method: 314.0 - Perchlorate (IC) - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	1.5		0.11	0.031	mg/Kg	☼		03/04/19 18:57	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		3.2	0.58	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Barium	140	B	5.3	0.11	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Cadmium	ND		0.53	0.026	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Chromium	8.5		2.1	0.23	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Lead	7.0		1.1	0.14	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Selenium	ND		5.3	0.59	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1
Silver	ND		2.6	0.15	mg/Kg	☼	03/06/19 09:27	03/06/19 16:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.11	0.11	mg/Kg	☼	03/06/19 09:39	03/06/19 14:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	Not Ignitable		1.0	1.0	NONE			03/04/19 13:50	1
Percent Moisture	8.7		0.1	0.1	%			03/01/19 19:45	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.7	HF	0.1	0.1	SU			03/05/19 17:13	1

Method Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method	Method Description	Protocol	Laboratory
8260B/5030B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL IRV
8015B	Gasoline Range Organics - (GC)	SW846	TAL IRV
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
314.0	Perchlorate (IC)	EPA	TAL PHX
6010B	Metals (ICP)	SW846	TAL PHX
7471A	Mercury (CVAA)	SW846	TAL PHX
7.1.2	Ignitability, Solids	SW846	TAL IRV
9045C	pH	SW846	TAL IRV
Moisture	Percent Moisture	EPA	TAL IRV
3050B	Preparation, Metals	SW846	TAL PHX
3546	Microwave Extraction	SW846	TAL IRV
5030B	Purge and Trap	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL PHX
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL IRV
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL PHX

Protocol References:

- ASTM = ASTM International
- 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 IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022
- TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-1.5-20190227

Date Collected: 02/27/19 09:20

Date Received: 02/28/19 10:30

Lab Sample ID: 440-234894-1

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			531919	03/01/19 19:45	QTN	TAL IRV

Client Sample ID: DSPE-3-RE-1.5-20190227

Date Collected: 02/27/19 09:20

Date Received: 02/28/19 10:30

Lab Sample ID: 440-234894-1

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	Analysis	8260B/5030B		1	5 g	10 mL	531966	03/02/19 15:31	GK	TAL IRV
Total/NA	Analysis	8015B		1	5.04 g	10 mL	531735	03/01/19 16:59	EI	TAL IRV
Total/NA	Prep	3546			15.10 g	1 mL	531568	02/28/19 15:27	EGC	TAL IRV
Total/NA	Analysis	8015B		1			531429	02/28/19 21:46	RMP	TAL IRV
Total/NA	Prep	3546			15.02 g	2 mL	531842	03/01/19 13:14	EGC	TAL IRV
Total/NA	Analysis	8081A		1			532118	03/04/19 16:56	D1D	TAL IRV
Total/NA	Prep	3050B			1.01 g	50 mL	171233	03/06/19 09:27	SGO	TAL PHX
Total/NA	Analysis	6010B		1			171319	03/06/19 16:35	SRA	TAL PHX
Total/NA	Prep	7471A			000.4900 g	50 mL	171237	03/06/19 09:39	JTG	TAL PHX
Total/NA	Analysis	7471A		1			171298	03/06/19 14:10	JTG	TAL PHX

Client Sample ID: DSPE-3-RE-2.5-20190227

Date Collected: 02/27/19 09:30

Date Received: 02/28/19 10:30

Lab Sample ID: 440-234894-2

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	7.1.2		1			532183	03/04/19 13:50	JAA	TAL IRV
Soluble	Leach	DI Leach			20.01 g	20 mL	532400	03/05/19 12:04	CMM	TAL IRV
Soluble	Analysis	9045C		1			532510	03/05/19 17:13	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			531919	03/01/19 19:45	QTN	TAL IRV

Client Sample ID: DSPE-3-RE-2.5-20190227

Date Collected: 02/27/19 09:30

Date Received: 02/28/19 10:30

Lab Sample ID: 440-234894-2

Matrix: Solid

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	Analysis	8260B/5030B		1	5.04 g	10 mL	531966	03/02/19 14:04	GK	TAL IRV
Total/NA	Analysis	8015B		1	5.04 g	10 mL	531735	03/01/19 18:29	EI	TAL IRV
Total/NA	Prep	3546			15.08 g	1 mL	531568	02/28/19 15:27	EGC	TAL IRV
Total/NA	Analysis	8015B		1			531429	02/28/19 22:48	RMP	TAL IRV
Total/NA	Prep	3546			15.14 g	2 mL	531842	03/01/19 13:14	EGC	TAL IRV
Total/NA	Analysis	8081A		1			532118	03/04/19 17:22	D1D	TAL IRV
Total/NA	Prep	3546			15.01 g	2 mL	532058	03/04/19 06:59	L1A	TAL IRV
Total/NA	Analysis	8082		1			532169	03/05/19 11:50	JM	TAL IRV
Soluble	Leach	DI Leach	DL		5.0283 g	50 mL	170938	03/01/19 19:03	RTH	TAL PHX

TestAmerica Irvine

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-3-RE-2.5-20190227

Lab Sample ID: 440-234894-2

Date Collected: 02/27/19 09:30

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Analysis	314.0	DL	50	5 mL	5 mL	171118	03/04/19 17:25	RTH	TAL PHX
Total/NA	Prep	3050B			1.03 g	50 mL	171233	03/06/19 09:27	SGO	TAL PHX
Total/NA	Analysis	6010B		1			171319	03/06/19 16:40	SRA	TAL PHX
Total/NA	Prep	7471A			000.4900 g	50 mL	171237	03/06/19 09:39	JTG	TAL PHX
Total/NA	Analysis	7471A		1			171298	03/06/19 14:11	JTG	TAL PHX

Client Sample ID: DSPE-3-RE-3.5-20190227

Lab Sample ID: 440-234894-3

Date Collected: 02/27/19 09:40

Matrix: Solid

Date Received: 02/28/19 10:30

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			531919	03/01/19 19:45	QTN	TAL IRV

Client Sample ID: DSPE-3-RE-3.5-20190227

Lab Sample ID: 440-234894-3

Date Collected: 02/27/19 09:40

Matrix: Solid

Date Received: 02/28/19 10:30

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	Analysis	8260B/5030B		1	5.04 g	10 mL	531966	03/02/19 16:00	GK	TAL IRV
Total/NA	Analysis	8015B		1	5.01 g	10 mL	531735	03/01/19 18:57	EI	TAL IRV
Total/NA	Prep	3546			15.17 g	1 mL	532305	03/05/19 06:38	L1A	TAL IRV
Total/NA	Analysis	8015B		1			532338	03/05/19 16:06	LMB	TAL IRV
Total/NA	Prep	3546			15.03 g	2 mL	531842	03/01/19 13:14	EGC	TAL IRV
Total/NA	Analysis	8081A		1			532118	03/04/19 17:47	D1D	TAL IRV
Total/NA	Prep	3050B			1.04 g	50 mL	171233	03/06/19 09:27	SGO	TAL PHX
Total/NA	Analysis	6010B		1			171319	03/06/19 16:44	SRA	TAL PHX
Total/NA	Prep	7471A			000.5100 g	50 mL	171237	03/06/19 09:39	JTG	TAL PHX
Total/NA	Analysis	7471A		1			171298	03/06/19 14:13	JTG	TAL PHX

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7.1.2		1			532183	03/04/19 13:50	JAA	TAL IRV
Soluble	Leach	DI Leach			20.00 g	20 mL	532400	03/05/19 12:04	CMM	TAL IRV
Soluble	Analysis	9045C		1			532510	03/05/19 17:13	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			531919	03/01/19 19:45	QTN	TAL IRV

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			20.29 g	1 mL	531724	03/01/19 07:13	FTD	TAL IRV
Total/NA	Analysis	8270C		2			532121	03/04/19 19:28	HN	TAL IRV
Total/NA	Prep	3546			15.01 g	2 mL	532058	03/04/19 06:59	L1A	TAL IRV
Total/NA	Analysis	8082		1			532169	03/05/19 12:04	JM	TAL IRV
Soluble	Leach	DI Leach	DL		5.0165 g	50 mL	170938	03/01/19 19:03	RTH	TAL PHX
Soluble	Analysis	314.0	DL	200			171118	03/04/19 17:48	RTH	TAL PHX

Client Sample ID: DSPE-5-RE-1.0-20190227

Lab Sample ID: 440-234894-5

Date Collected: 02/27/19 08:35

Matrix: Solid

Date Received: 02/28/19 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7.1.2		1			532183	03/04/19 13:50	JAA	TAL IRV
Soluble	Leach	DI Leach			20.01 g	20 mL	532400	03/05/19 12:04	CMM	TAL IRV
Soluble	Analysis	9045C		1			532510	03/05/19 17:13	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			531919	03/01/19 19:45	QTN	TAL IRV

Client Sample ID: DSPE-5-RE-1.0-20190227

Lab Sample ID: 440-234894-5

Date Collected: 02/27/19 08:35

Matrix: Solid

Date Received: 02/28/19 10:30

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	3546			15.02 g	2 mL	532058	03/04/19 06:59	L1A	TAL IRV
Total/NA	Analysis	8082		1			532169	03/05/19 12:17	JM	TAL IRV
Soluble	Leach	DI Leach			5.0174 g	50 mL	170938	03/01/19 19:03	RTH	TAL PHX
Soluble	Analysis	314.0		1			171118	03/04/19 18:11	RTH	TAL PHX

Client Sample ID: DSPE-6-RE-1.0-20190227

Lab Sample ID: 440-234894-6

Date Collected: 02/27/19 09:10

Matrix: Solid

Date Received: 02/28/19 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7.1.2		1			532183	03/04/19 13:50	JAA	TAL IRV
Soluble	Leach	DI Leach			20.01 g	20 mL	532400	03/05/19 12:04	CMM	TAL IRV
Soluble	Analysis	9045C		1			532510	03/05/19 17:13	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			531919	03/01/19 19:45	QTN	TAL IRV

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Client Sample ID: DSPE-6-RE-1.0-20190227

Lab Sample ID: 440-234894-6

Date Collected: 02/27/19 09:10

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	2 mL	532058	03/04/19 06:59	L1A	TAL IRV
Total/NA	Analysis	8082		1			532169	03/05/19 12:30	JM	TAL IRV
Soluble	Leach	DI Leach	DL		5.0064 g	50 mL	170938	03/01/19 19:03	RTH	TAL PHX
Soluble	Analysis	314.0	DL	1000			171118	03/04/19 18:34	RTH	TAL PHX

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7.1.2		1			532183	03/04/19 13:50	JAA	TAL IRV
Soluble	Leach	DI Leach			20.01 g	20 mL	532400	03/05/19 12:04	CMM	TAL IRV
Soluble	Analysis	9045C		1			532510	03/05/19 17:13	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			531919	03/01/19 19:45	QTN	TAL IRV

Client Sample ID: DSPE-7-RE-3.0-20190227

Lab Sample ID: 440-234894-7

Date Collected: 02/27/19 08:55

Matrix: Solid

Date Received: 02/28/19 10:30

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/5030B		1	5.02 g	10 mL	531966	03/02/19 16:29	GK	TAL IRV
Total/NA	Prep	3546			20.09 g	1 mL	531724	03/01/19 07:13	FTD	TAL IRV
Total/NA	Analysis	8270C		1			532121	03/04/19 19:54	HN	TAL IRV
Total/NA	Analysis	8015B		1	5.03 g	10 mL	531735	03/01/19 20:43	EI	TAL IRV
Total/NA	Prep	3546			15.06 g	1 mL	531568	02/28/19 15:27	EGC	TAL IRV
Total/NA	Analysis	8015B		1			531429	02/28/19 23:29	RMP	TAL IRV
Total/NA	Prep	3546			15.13 g	2 mL	531842	03/01/19 13:14	EGC	TAL IRV
Total/NA	Analysis	8081A		1			532118	03/04/19 18:13	D1D	TAL IRV
Total/NA	Prep	3546			15.02 g	2 mL	532058	03/04/19 06:59	L1A	TAL IRV
Total/NA	Analysis	8082		1			532169	03/05/19 12:44	JM	TAL IRV
Soluble	Leach	DI Leach	DL		5.0107 g	50 mL	170938	03/01/19 19:03	RTH	TAL PHX
Soluble	Analysis	314.0	DL	10			171118	03/04/19 18:57	RTH	TAL PHX
Total/NA	Prep	3050B			1.04 g	50 mL	171233	03/06/19 09:27	SGO	TAL PHX
Total/NA	Analysis	6010B		1			171319	03/06/19 16:49	SRA	TAL PHX
Total/NA	Prep	7471A			000.5200 g	50 mL	171237	03/06/19 09:39	JTG	TAL PHX
Total/NA	Analysis	7471A		1			171298	03/06/19 14:14	JTG	TAL PHX

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022
 TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-531966/4

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.020	0.0080	mg/Kg			03/02/19 13:06	1
Benzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Bromobenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Bromochloromethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Bromodichloromethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Bromoform	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Bromomethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
2-Butanone (MEK)	ND		0.010	0.0050	mg/Kg			03/02/19 13:06	1
Carbon tetrachloride	ND		0.0020	0.00050	mg/Kg			03/02/19 13:06	1
Chlorobenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Chloroethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Chloroform	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Chloromethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
2-Chlorotoluene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
4-Chlorotoluene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
cis-1,2-Dichloroethene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
cis-1,3-Dichloropropene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Dibromochloromethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.0020	mg/Kg			03/02/19 13:06	1
1,2-Dibromoethane (EDB)	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Dibromomethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,2-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,3-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,4-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,1-Dichloroethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,2-Dichloroethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,1-Dichloroethene	ND		0.0020	0.00050	mg/Kg			03/02/19 13:06	1
1,2-Dichloropropane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,3-Dichloropropane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
2,2-Dichloropropane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,1-Dichloropropene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Ethylbenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Hexachlorobutadiene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
2-Hexanone	ND		0.010	0.0050	mg/Kg			03/02/19 13:06	1
Isopropylbenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Isopropyl Ether (DIPE)	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Methylene Chloride	ND		0.010	0.0050	mg/Kg			03/02/19 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050	0.0025	mg/Kg			03/02/19 13:06	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
m,p-Xylene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Naphthalene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
n-Butylbenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
N-Propylbenzene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
o-Xylene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
p-Isopropyltoluene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
sec-Butylbenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-531966/4

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Tert-amyl-methyl ether (TAME)	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
tert-Butyl alcohol (TBA)	ND		0.050	0.010	mg/Kg			03/02/19 13:06	1
tert-Butylbenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,1,1,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Tetrachloroethene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Toluene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
trans-1,2-Dichloroethene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
trans-1,3-Dichloropropene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,2,3-Trichlorobenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,2,4-Trichlorobenzene	ND		0.0050	0.0010	mg/Kg			03/02/19 13:06	1
1,1,1-Trichloroethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
1,1,2-Trichloroethane	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Trichloroethene	ND		0.0010	0.00050	mg/Kg			03/02/19 13:06	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,2,3-Trichloropropane	ND		0.010	0.0010	mg/Kg			03/02/19 13:06	1
1,2,4-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
1,3,5-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1
Vinyl chloride	ND		0.0020	0.0010	mg/Kg			03/02/19 13:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 120		03/02/19 13:06	1
Dibromofluoromethane (Surr)	109		60 - 120		03/02/19 13:06	1
Toluene-d8 (Surr)	95		79 - 123		03/02/19 13:06	1

Lab Sample ID: LCS 440-531966/5

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.0500	0.0700		mg/Kg		140	25 - 145
Benzene	0.0500	0.0458		mg/Kg		92	65 - 120
Bromobenzene	0.0500	0.0510		mg/Kg		102	75 - 120
Bromochloromethane	0.0500	0.0510		mg/Kg		102	70 - 135
Bromodichloromethane	0.0500	0.0554		mg/Kg		111	70 - 135
Bromoform	0.0500	0.0538		mg/Kg		108	55 - 135
Bromomethane	0.0500	0.0401		mg/Kg		80	60 - 145
2-Butanone (MEK)	0.0500	0.0555		mg/Kg		111	40 - 145
Carbon tetrachloride	0.0500	0.0601		mg/Kg		120	65 - 140
Chlorobenzene	0.0500	0.0482		mg/Kg		96	75 - 120
Chloroethane	0.0500	0.0382		mg/Kg		76	60 - 140
Chloroform	0.0500	0.0530		mg/Kg		106	70 - 130
Chloromethane	0.0500	0.0416		mg/Kg		83	45 - 145
2-Chlorotoluene	0.0500	0.0522		mg/Kg		104	70 - 125
4-Chlorotoluene	0.0500	0.0538		mg/Kg		108	75 - 125
cis-1,2-Dichloroethene	0.0500	0.0477		mg/Kg		95	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0505		mg/Kg		101	75 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-531966/5

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	0.0500	0.0557		mg/Kg		111	65 - 140
1,2-Dibromo-3-Chloropropane	0.0500	0.0486		mg/Kg		97	50 - 135
1,2-Dibromoethane (EDB)	0.0500	0.0506		mg/Kg		101	70 - 130
Dibromomethane	0.0500	0.0502		mg/Kg		100	70 - 130
1,2-Dichlorobenzene	0.0500	0.0516		mg/Kg		103	75 - 120
1,3-Dichlorobenzene	0.0500	0.0524		mg/Kg		105	75 - 125
1,4-Dichlorobenzene	0.0500	0.0502		mg/Kg		100	75 - 120
Dichlorodifluoromethane	0.0500	0.0416		mg/Kg		83	35 - 160
1,1-Dichloroethane	0.0500	0.0508		mg/Kg		102	70 - 130
1,2-Dichloroethane	0.0500	0.0628		mg/Kg		126	60 - 140
1,1-Dichloroethene	0.0500	0.0457		mg/Kg		91	70 - 125
1,2-Dichloropropane	0.0500	0.0512		mg/Kg		102	70 - 130
1,3-Dichloropropane	0.0500	0.0450		mg/Kg		90	70 - 125
2,2-Dichloropropane	0.0500	0.0565		mg/Kg		113	60 - 145
1,1-Dichloropropene	0.0500	0.0499		mg/Kg		100	70 - 130
Ethylbenzene	0.0500	0.0500		mg/Kg		100	70 - 125
Ethyl-t-butyl ether (ETBE)	0.0500	0.0597		mg/Kg		119	60 - 140
Hexachlorobutadiene	0.0500	0.0478		mg/Kg		96	60 - 135
2-Hexanone	0.0500	0.0728		mg/Kg		146	40 - 150
Isopropylbenzene	0.0500	0.0555		mg/Kg		111	75 - 130
Isopropyl Ether (DIPE)	0.0500	0.0641		mg/Kg		128	60 - 140
Methylene Chloride	0.0500	0.0452		mg/Kg		90	55 - 135
4-Methyl-2-pentanone (MIBK)	0.0500	0.0690		mg/Kg		138	40 - 145
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0536		mg/Kg		107	60 - 140
m,p-Xylene	0.0500	0.0501		mg/Kg		100	70 - 125
Naphthalene	0.0500	0.0529		mg/Kg		106	55 - 135
n-Butylbenzene	0.0500	0.0529		mg/Kg		106	70 - 130
N-Propylbenzene	0.0500	0.0529		mg/Kg		106	70 - 130
o-Xylene	0.0500	0.0503		mg/Kg		101	70 - 125
p-Isopropyltoluene	0.0500	0.0547		mg/Kg		109	75 - 125
sec-Butylbenzene	0.0500	0.0540		mg/Kg		108	70 - 125
Styrene	0.0500	0.0525		mg/Kg		105	75 - 130
Tert-amyl-methyl ether (TAME)	0.0500	0.0527		mg/Kg		105	60 - 145
tert-Butyl alcohol (TBA)	0.500	0.576		mg/Kg		115	70 - 135
tert-Butylbenzene	0.0500	0.0563		mg/Kg		113	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0563		mg/Kg		113	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.0442		mg/Kg		88	55 - 140
Tetrachloroethene	0.0500	0.0483		mg/Kg		97	70 - 125
Toluene	0.0500	0.0464		mg/Kg		93	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0493		mg/Kg		99	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0510		mg/Kg		102	70 - 135
1,2,3-Trichlorobenzene	0.0500	0.0508		mg/Kg		102	60 - 130
1,2,4-Trichlorobenzene	0.0500	0.0518		mg/Kg		104	70 - 135
1,1,1-Trichloroethane	0.0500	0.0592		mg/Kg		118	65 - 135
1,1,2-Trichloroethane	0.0500	0.0471		mg/Kg		94	65 - 135
Trichloroethene	0.0500	0.0520		mg/Kg		104	70 - 125
Trichlorofluoromethane	0.0500	0.0545		mg/Kg		109	60 - 145
1,2,3-Trichloropropane	0.0500	0.0537		mg/Kg		107	60 - 135

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-531966/5

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	0.0500	0.0578		mg/Kg		116	70 - 125
1,3,5-Trimethylbenzene	0.0500	0.0565		mg/Kg		113	70 - 125
Vinyl chloride	0.0500	0.0380		mg/Kg		76	55 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		79 - 120
Dibromofluoromethane (Surr)	111		60 - 120
Toluene-d8 (Surr)	94		79 - 123

Lab Sample ID: 440-234894-2 MS

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: DSPE-3-RE-2.5-20190227

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F1	0.0541	0.0665		mg/Kg	☼	123	20 - 145
Benzene	ND		0.0541	0.0496		mg/Kg	☼	92	65 - 130
Bromobenzene	ND		0.0541	0.0545		mg/Kg	☼	101	65 - 140
Bromochloromethane	ND		0.0541	0.0581		mg/Kg	☼	108	65 - 145
Bromodichloromethane	ND		0.0541	0.0629		mg/Kg	☼	116	65 - 145
Bromoform	ND		0.0541	0.0598		mg/Kg	☼	111	50 - 145
Bromomethane	ND		0.0541	0.0432		mg/Kg	☼	80	60 - 155
2-Butanone (MEK)	ND		0.0541	0.0528		mg/Kg	☼	98	25 - 170
Carbon tetrachloride	ND		0.0541	0.0663		mg/Kg	☼	123	60 - 145
Chlorobenzene	ND		0.0541	0.0516		mg/Kg	☼	95	70 - 130
Chloroethane	ND		0.0541	0.0429		mg/Kg	☼	79	60 - 150
Chloroform	ND		0.0541	0.0584		mg/Kg	☼	108	65 - 135
Chloromethane	ND		0.0541	0.0447		mg/Kg	☼	83	40 - 145
2-Chlorotoluene	ND		0.0541	0.0553		mg/Kg	☼	102	60 - 135
4-Chlorotoluene	ND		0.0541	0.0561		mg/Kg	☼	104	65 - 135
cis-1,2-Dichloroethene	ND		0.0541	0.0519		mg/Kg	☼	96	65 - 135
cis-1,3-Dichloropropene	ND		0.0541	0.0551		mg/Kg	☼	102	70 - 135
Dibromochloromethane	ND		0.0541	0.0618		mg/Kg	☼	114	60 - 145
1,2-Dibromo-3-Chloropropane	ND		0.0541	0.0553		mg/Kg	☼	102	40 - 150
1,2-Dibromoethane (EDB)	ND		0.0541	0.0569		mg/Kg	☼	105	65 - 140
Dibromomethane	ND		0.0541	0.0585		mg/Kg	☼	108	65 - 140
1,2-Dichlorobenzene	ND		0.0541	0.0549		mg/Kg	☼	102	70 - 130
1,3-Dichlorobenzene	ND		0.0541	0.0549		mg/Kg	☼	102	70 - 130
1,4-Dichlorobenzene	ND		0.0541	0.0536		mg/Kg	☼	99	70 - 130
Dichlorodifluoromethane	ND		0.0541	0.0451		mg/Kg	☼	83	30 - 160
1,1-Dichloroethane	ND		0.0541	0.0550		mg/Kg	☼	102	65 - 135
1,2-Dichloroethane	ND		0.0541	0.0714		mg/Kg	☼	132	60 - 150
1,1-Dichloroethene	ND		0.0541	0.0490		mg/Kg	☼	91	65 - 135
1,2-Dichloropropane	ND		0.0541	0.0566		mg/Kg	☼	105	65 - 130
1,3-Dichloropropane	ND		0.0541	0.0495		mg/Kg	☼	92	65 - 140
2,2-Dichloropropane	ND		0.0541	0.0613		mg/Kg	☼	113	65 - 150
1,1-Dichloropropene	ND		0.0541	0.0540		mg/Kg	☼	100	65 - 135
Ethylbenzene	ND		0.0541	0.0537		mg/Kg	☼	99	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		0.0541	0.0657		mg/Kg	☼	122	60 - 145

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-234894-2 MS

Client Sample ID: DSPE-3-RE-2.5-20190227

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 531966

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Hexachlorobutadiene	ND		0.0541	0.0505		mg/Kg	*	93	50 - 145
2-Hexanone	ND		0.0541	0.0730		mg/Kg	*	135	35 - 160
Isopropylbenzene	ND		0.0541	0.0598		mg/Kg	*	111	70 - 145
Isopropyl Ether (DIPE)	ND		0.0541	0.0703		mg/Kg	*	130	60 - 150
Methylene Chloride	ND		0.0541	0.0493		mg/Kg	*	91	55 - 145
4-Methyl-2-pentanone (MIBK)	ND		0.0541	0.0690		mg/Kg	*	128	40 - 155
Methyl-t-Butyl Ether (MTBE)	ND		0.0541	0.0606		mg/Kg	*	112	55 - 155
m,p-Xylene	ND		0.0541	0.0552		mg/Kg	*	102	70 - 130
Naphthalene	ND		0.0541	0.0576		mg/Kg	*	106	40 - 150
n-Butylbenzene	ND		0.0541	0.0547		mg/Kg	*	101	55 - 145
N-Propylbenzene	ND		0.0541	0.0544		mg/Kg	*	101	65 - 140
o-Xylene	ND		0.0541	0.0544		mg/Kg	*	101	65 - 130
p-Isopropyltoluene	ND		0.0541	0.0565		mg/Kg	*	104	60 - 140
sec-Butylbenzene	ND		0.0541	0.0559		mg/Kg	*	103	60 - 135
Styrene	ND		0.0541	0.0564		mg/Kg	*	104	70 - 140
Tert-amyl-methyl ether (TAME)	ND		0.0541	0.0589		mg/Kg	*	109	60 - 150
tert-Butyl alcohol (TBA)	ND		0.541	0.626		mg/Kg	*	116	65 - 145
tert-Butylbenzene	ND		0.0541	0.0575		mg/Kg	*	106	60 - 140
1,1,1,2-Tetrachloroethane	ND		0.0541	0.0608		mg/Kg	*	112	65 - 145
1,1,2,2-Tetrachloroethane	ND		0.0541	0.0426		mg/Kg	*	79	40 - 160
Tetrachloroethene	ND		0.0541	0.0513		mg/Kg	*	95	65 - 135
Toluene	ND		0.0541	0.0498		mg/Kg	*	92	70 - 130
trans-1,2-Dichloroethene	ND		0.0541	0.0544		mg/Kg	*	101	70 - 135
trans-1,3-Dichloropropene	ND		0.0541	0.0559		mg/Kg	*	103	60 - 145
1,2,3-Trichlorobenzene	ND		0.0541	0.0540		mg/Kg	*	100	45 - 145
1,2,4-Trichlorobenzene	ND		0.0541	0.0552		mg/Kg	*	102	50 - 140
1,1,1-Trichloroethane	ND		0.0541	0.0659		mg/Kg	*	122	65 - 145
1,1,2-Trichloroethane	ND		0.0541	0.0519		mg/Kg	*	96	65 - 140
Trichloroethene	ND		0.0541	0.0622		mg/Kg	*	115	65 - 140
Trichlorofluoromethane	ND		0.0541	0.0597		mg/Kg	*	110	55 - 155
1,2,3-Trichloropropane	ND		0.0541	0.0592		mg/Kg	*	109	50 - 150
1,2,4-Trimethylbenzene	ND		0.0541	0.0599		mg/Kg	*	111	65 - 140
1,3,5-Trimethylbenzene	ND		0.0541	0.0586		mg/Kg	*	108	65 - 135
Vinyl chloride	ND		0.0541	0.0418		mg/Kg	*	77	55 - 140

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120
Toluene-d8 (Surr)	92		79 - 123

Lab Sample ID: 440-234894-2 MSD

Client Sample ID: DSPE-3-RE-2.5-20190227

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 531966

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND	F1	0.0540	0.0787	F1	mg/Kg	*	146	20 - 145	17	40
Benzene	ND		0.0540	0.0511		mg/Kg	*	95	65 - 130	3	20
Bromobenzene	ND		0.0540	0.0545		mg/Kg	*	101	65 - 140	0	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-234894-2 MSD

Client Sample ID: DSPE-3-RE-2.5-20190227

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 531966

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier			Limits		Limit
Bromochloromethane	ND		0.0540	0.0601		mg/Kg	*	111	3	25
Bromodichloromethane	ND		0.0540	0.0633		mg/Kg	*	117	1	20
Bromoform	ND		0.0540	0.0622		mg/Kg	*	115	4	30
Bromomethane	ND		0.0540	0.0469		mg/Kg	*	87	8	25
2-Butanone (MEK)	ND		0.0540	0.0596		mg/Kg	*	110	12	40
Carbon tetrachloride	ND		0.0540	0.0666		mg/Kg	*	123	1	25
Chlorobenzene	ND		0.0540	0.0525		mg/Kg	*	97	2	25
Chloroethane	ND		0.0540	0.0433		mg/Kg	*	80	1	25
Chloroform	ND		0.0540	0.0589		mg/Kg	*	109	1	20
Chloromethane	ND		0.0540	0.0458		mg/Kg	*	85	2	25
2-Chlorotoluene	ND		0.0540	0.0557		mg/Kg	*	103	1	25
4-Chlorotoluene	ND		0.0540	0.0571		mg/Kg	*	106	2	25
cis-1,2-Dichloroethene	ND		0.0540	0.0539		mg/Kg	*	100	4	25
cis-1,3-Dichloropropene	ND		0.0540	0.0567		mg/Kg	*	105	3	25
Dibromochloromethane	ND		0.0540	0.0644		mg/Kg	*	119	4	25
1,2-Dibromo-3-Chloropropane	ND		0.0540	0.0601		mg/Kg	*	111	8	30
1,2-Dibromoethane (EDB)	ND		0.0540	0.0595		mg/Kg	*	110	4	25
Dibromomethane	ND		0.0540	0.0608		mg/Kg	*	113	4	25
1,2-Dichlorobenzene	ND		0.0540	0.0562		mg/Kg	*	104	2	25
1,3-Dichlorobenzene	ND		0.0540	0.0561		mg/Kg	*	104	2	25
1,4-Dichlorobenzene	ND		0.0540	0.0518		mg/Kg	*	96	3	25
Dichlorodifluoromethane	ND		0.0540	0.0474		mg/Kg	*	88	5	35
1,1-Dichloroethane	ND		0.0540	0.0552		mg/Kg	*	102	0	25
1,2-Dichloroethane	ND		0.0540	0.0730		mg/Kg	*	135	2	25
1,1-Dichloroethene	ND		0.0540	0.0515		mg/Kg	*	95	5	25
1,2-Dichloropropane	ND		0.0540	0.0582		mg/Kg	*	108	3	20
1,3-Dichloropropane	ND		0.0540	0.0508		mg/Kg	*	94	3	25
2,2-Dichloropropane	ND		0.0540	0.0633		mg/Kg	*	117	3	25
1,1-Dichloropropene	ND		0.0540	0.0563		mg/Kg	*	104	4	20
Ethylbenzene	ND		0.0540	0.0549		mg/Kg	*	102	2	25
Ethyl-t-butyl ether (ETBE)	ND		0.0540	0.0691		mg/Kg	*	128	5	30
Hexachlorobutadiene	ND		0.0540	0.0517		mg/Kg	*	96	2	35
2-Hexanone	ND		0.0540	0.0803		mg/Kg	*	149	10	40
Isopropylbenzene	ND		0.0540	0.0602		mg/Kg	*	111	1	25
Isopropyl Ether (DIPE)	ND		0.0540	0.0725		mg/Kg	*	134	3	25
Methylene Chloride	ND		0.0540	0.0515		mg/Kg	*	95	4	25
4-Methyl-2-pentanone (MIBK)	ND		0.0540	0.0769		mg/Kg	*	142	11	40
Methyl-t-Butyl Ether (MTBE)	ND		0.0540	0.0648		mg/Kg	*	120	7	35
m,p-Xylene	ND		0.0540	0.0552		mg/Kg	*	102	0	25
Naphthalene	ND		0.0540	0.0605		mg/Kg	*	112	5	40
n-Butylbenzene	ND		0.0540	0.0554		mg/Kg	*	103	1	30
N-Propylbenzene	ND		0.0540	0.0551		mg/Kg	*	102	1	25
o-Xylene	ND		0.0540	0.0561		mg/Kg	*	104	3	25
p-Isopropyltoluene	ND		0.0540	0.0566		mg/Kg	*	105	0	25
sec-Butylbenzene	ND		0.0540	0.0568		mg/Kg	*	105	2	25
Styrene	ND		0.0540	0.0570		mg/Kg	*	106	1	25
Tert-amyl-methyl ether (TAME)	ND		0.0540	0.0613		mg/Kg	*	114	4	25
tert-Butyl alcohol (TBA)	ND		0.540	0.561		mg/Kg	*	104	11	30

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-234894-2 MSD

Matrix: Solid

Analysis Batch: 531966

Client Sample ID: DSPE-3-RE-2.5-20190227

Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
tert-Butylbenzene	ND		0.0540	0.0591		mg/Kg	*	110	60 - 140	3	25
1,1,1,2-Tetrachloroethane	ND		0.0540	0.0626		mg/Kg	*	116	65 - 145	3	20
1,1,2,2-Tetrachloroethane	ND		0.0540	0.0433		mg/Kg	*	80	40 - 160	1	30
Tetrachloroethene	ND		0.0540	0.0527		mg/Kg	*	98	65 - 135	3	25
Toluene	ND		0.0540	0.0512		mg/Kg	*	95	70 - 130	3	20
trans-1,2-Dichloroethene	ND		0.0540	0.0531		mg/Kg	*	98	70 - 135	3	25
trans-1,3-Dichloropropene	ND		0.0540	0.0586		mg/Kg	*	109	60 - 145	5	25
1,2,3-Trichlorobenzene	ND		0.0540	0.0560		mg/Kg	*	104	45 - 145	4	30
1,2,4-Trichlorobenzene	ND		0.0540	0.0554		mg/Kg	*	103	50 - 140	0	30
1,1,1-Trichloroethane	ND		0.0540	0.0647		mg/Kg	*	120	65 - 145	2	20
1,1,2-Trichloroethane	ND		0.0540	0.0537		mg/Kg	*	100	65 - 140	3	30
Trichloroethene	ND		0.0540	0.0661		mg/Kg	*	122	65 - 140	6	25
Trichlorofluoromethane	ND		0.0540	0.0603		mg/Kg	*	112	55 - 155	1	25
1,2,3-Trichloropropane	ND		0.0540	0.0628		mg/Kg	*	116	50 - 150	6	30
1,2,4-Trimethylbenzene	ND		0.0540	0.0600		mg/Kg	*	111	65 - 140	0	25
1,3,5-Trimethylbenzene	ND		0.0540	0.0598		mg/Kg	*	111	65 - 135	2	25
Vinyl chloride	ND		0.0540	0.0430		mg/Kg	*	80	55 - 140	3	30

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		79 - 120
Dibromofluoromethane (Surr)	109		60 - 120
Toluene-d8 (Surr)	90		79 - 123

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

Lab Sample ID: MB 440-531724/1-A

Matrix: Solid

Analysis Batch: 532121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531724

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		0.25	0.13	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Acenaphthylene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Aniline	ND		0.50	0.14	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Anthracene	ND		0.25	0.060	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzidine	ND		1.3	0.17	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzo[a]anthracene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzo[a]pyrene	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzo[b]fluoranthene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzo[g,h,i]perylene	ND		0.25	0.082	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzoic acid	ND		0.75	0.36	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzo[k]fluoranthene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Benzyl alcohol	ND		1.3	0.41	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Bis(2-chloroethoxy)methane	ND		0.25	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Bis(2-chloroethyl)ether	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Bis(2-ethylhexyl) phthalate	ND		0.25	0.068	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
4-Bromophenyl phenyl ether	ND		0.25	0.056	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Butyl benzyl phthalate	ND		0.25	0.060	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
4-Chloroaniline	ND		0.50	0.15	mg/Kg		03/01/19 07:13	03/04/19 14:23	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: MB 440-531724/1-A

Matrix: Solid

Analysis Batch: 532121

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531724

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chloro-3-methylphenol	ND		0.40	0.15	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Chloronaphthalene	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Chlorophenol	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
4-Chlorophenyl phenyl ether	ND		0.50	0.20	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Chrysene	ND		0.25	0.056	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Dibenz(a,h)anthracene	ND		0.25	0.075	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Dibenzofuran	ND		0.25	0.14	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
3,3'-Dichlorobenzidine	ND		0.50	0.11	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4-Dichlorophenol	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Diethyl phthalate	ND		0.25	0.071	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4-Dimethylphenol	ND		0.25	0.098	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Dimethyl phthalate	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Di-n-butyl phthalate	ND		0.25	0.068	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4-Dinitrophenol	ND		1.0	0.75	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4-Dinitrotoluene	ND		0.25	0.060	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,6-Dinitrotoluene	ND		0.25	0.071	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Di-n-octyl phthalate	ND		0.25	0.068	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Fluoranthene	ND		0.33	0.16	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Fluorene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Hexachlorobenzene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Hexachlorocyclopentadiene	ND		0.75	0.31	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Hexachloroethane	ND		0.25	0.070	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.098	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Isophorone	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
1-Methylnaphthalene	ND		0.25	0.11	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Methylnaphthalene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Methylphenol	ND		0.25	0.060	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
3-Methylphenol + 4-Methylphenol	ND		0.25	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Naphthalene	ND		0.25	0.050	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Nitroaniline	ND		0.25	0.17	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
3-Nitroaniline	ND		0.25	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
4-Nitroaniline	ND		0.50	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Nitrobenzene	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2-Nitrophenol	ND		0.25	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
4-Nitrophenol	ND		1.0	0.50	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
N-Nitrosodi-n-propylamine	ND		0.25	0.052	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
N-Nitrosodiphenylamine	ND		0.50	0.16	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Octachlorostyrene	ND		0.65	0.12	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Pentachlorophenol	ND		0.50	0.26	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Phenanthrene	ND		0.33	0.15	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Phenol	ND		0.25	0.068	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Pyrene	ND		0.25	0.10	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
Pyridine	ND		0.34	0.11	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4,5-Trichlorophenol	ND		0.50	0.20	mg/Kg		03/01/19 07:13	03/04/19 14:23	1
2,4,6-Trichlorophenol	ND		0.50	0.16	mg/Kg		03/01/19 07:13	03/04/19 14:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl	83		42 - 113	03/01/19 07:13	03/04/19 14:23	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: MB 440-531724/1-A
Matrix: Solid
Analysis Batch: 532121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 531724

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorophenol (Surr)	80		18 - 138	03/01/19 07:13	03/04/19 14:23	1
Nitrobenzene-d5 (Surr)	82		39 - 104	03/01/19 07:13	03/04/19 14:23	1
Phenol-d6 (Surr)	81		37 - 125	03/01/19 07:13	03/04/19 14:23	1
Terphenyl-d14 (Surr)	96		43 - 125	03/01/19 07:13	03/04/19 14:23	1
2,4,6-Tribromophenol (Surr)	83		10 - 147	03/01/19 07:13	03/04/19 14:23	1

Lab Sample ID: LCS 440-531724/2-A
Matrix: Solid
Analysis Batch: 531819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 531724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
Acenaphthene	2.50	2.14		mg/Kg		85	40 - 118
Acenaphthylene	2.50	2.16		mg/Kg		87	47 - 125
Aniline	2.50	1.87		mg/Kg		75	23 - 105
Anthracene	2.50	2.15		mg/Kg		86	51 - 122
Benzidine	2.50	ND	*	mg/Kg		3	5 - 61
Benzo[a]anthracene	2.50	2.11		mg/Kg		85	50 - 123
Benzo[a]pyrene	2.50	2.32		mg/Kg		93	52 - 125
Benzo[b]fluoranthene	2.50	2.27		mg/Kg		91	52 - 125
Benzo[g,h,i]perylene	2.50	2.22		mg/Kg		89	38 - 149
Benzoic acid	2.50	1.25		mg/Kg		50	28 - 120
Benzo[k]fluoranthene	2.50	2.40		mg/Kg		96	50 - 132
Benzyl alcohol	2.50	1.72		mg/Kg		69	20 - 133
Bis(2-chloroethoxy)methane	2.50	1.89		mg/Kg		76	39 - 119
Bis(2-chloroethyl)ether	2.50	1.78		mg/Kg		71	32 - 114
Bis(2-ethylhexyl) phthalate	2.50	2.33		mg/Kg		93	49 - 127
4-Bromophenyl phenyl ether	2.50	2.13		mg/Kg		85	52 - 126
Butyl benzyl phthalate	2.50	2.28		mg/Kg		91	48 - 130
4-Chloroaniline	2.50	1.46		mg/Kg		58	25 - 130
4-Chloro-3-methylphenol	2.50	2.04		mg/Kg		81	45 - 128
2-Chloronaphthalene	2.50	2.15		mg/Kg		86	43 - 120
2-Chlorophenol	2.50	2.03		mg/Kg		81	43 - 125
4-Chlorophenyl phenyl ether	2.50	2.22		mg/Kg		89	46 - 121
Chrysene	2.50	2.24		mg/Kg		90	51 - 127
Dibenz(a,h)anthracene	2.50	2.23		mg/Kg		89	45 - 136
Dibenzofuran	2.50	2.21		mg/Kg		89	47 - 120
3,3'-Dichlorobenzidine	2.50	1.65		mg/Kg		66	28 - 114
2,4-Dichlorophenol	2.50	2.13		mg/Kg		85	49 - 127
Diethyl phthalate	2.50	2.16		mg/Kg		86	46 - 122
2,4-Dimethylphenol	2.50	2.01		mg/Kg		80	41 - 122
Dimethyl phthalate	2.50	2.15		mg/Kg		86	48 - 122
Di-n-butyl phthalate	2.50	2.10		mg/Kg		84	43 - 128
2,4-Dinitrophenol	5.00	3.43		mg/Kg		69	34 - 124
2,4-Dinitrotoluene	2.50	2.20		mg/Kg		88	46 - 126
2,6-Dinitrotoluene	2.50	2.16		mg/Kg		86	48 - 126
Di-n-octyl phthalate	2.50	2.25		mg/Kg		90	47 - 133
Fluoranthene	2.50	2.05		mg/Kg		82	44 - 123
Fluorene	2.50	2.19		mg/Kg		88	48 - 123

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: LCS 440-531724/2-A

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobenzene	2.50	2.26		mg/Kg		90	52 - 125
Hexachlorocyclopentadiene	2.50	1.74		mg/Kg		70	17 - 119
Hexachloroethane	2.50	1.87		mg/Kg		75	34 - 107
Indeno[1,2,3-cd]pyrene	2.50	2.23		mg/Kg		89	46 - 148
Isophorone	2.50	1.84		mg/Kg		74	38 - 119
2-Methylnaphthalene	2.50	2.03		mg/Kg		81	44 - 119
2-Methylphenol	2.50	1.99		mg/Kg		79	42 - 130
3-Methylphenol + 4-Methylphenol	2.50	2.00		mg/Kg		80	42 - 138
Naphthalene	2.50	1.99		mg/Kg		80	42 - 115
2-Nitroaniline	2.50	2.06		mg/Kg		82	40 - 131
3-Nitroaniline	2.50	1.43		mg/Kg		57	39 - 129
4-Nitroaniline	2.50	2.20		mg/Kg		88	40 - 126
Nitrobenzene	2.50	1.90		mg/Kg		76	38 - 116
2-Nitrophenol	2.50	2.05		mg/Kg		82	44 - 124
4-Nitrophenol	5.00	3.45		mg/Kg		69	35 - 130
N-Nitrosodi-n-propylamine	2.50	1.85		mg/Kg		74	31 - 124
N-Nitrosodiphenylamine	2.50	2.17		mg/Kg		87	48 - 130
Pentachlorophenol	5.00	3.69		mg/Kg		74	40 - 121
Phenanthrene	2.50	2.13		mg/Kg		85	51 - 122
Phenol	2.50	1.85		mg/Kg		74	42 - 133
Pyrene	2.50	2.36		mg/Kg		95	54 - 127
Pyridine	5.00	2.52		mg/Kg		50	21 - 76
2,4,5-Trichlorophenol	2.50	2.08		mg/Kg		83	51 - 125
2,4,6-Trichlorophenol	2.50	2.14		mg/Kg		86	48 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	86		42 - 113
2-Fluorophenol (Surr)	78		18 - 138
Nitrobenzene-d5 (Surr)	75		39 - 104
Phenol-d6 (Surr)	76		37 - 125
Terphenyl-d14 (Surr)	98		43 - 125
2,4,6-Tribromophenol (Surr)	89		10 - 147

Lab Sample ID: 440-234968-G-5-A MS

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		2.48	1.98		mg/Kg		80	45 - 120
Acenaphthylene	ND		2.48	1.96		mg/Kg		79	45 - 120
Aniline	ND		2.48	1.56		mg/Kg		63	25 - 120
Anthracene	ND		2.48	1.99		mg/Kg		80	55 - 120
Benzidine	ND	F1 *	2.48	ND	F1	mg/Kg		0	20 - 120
Benzo[a]anthracene	ND		2.48	1.91		mg/Kg		77	50 - 120
Benzo[a]pyrene	ND		2.48	1.99		mg/Kg		80	45 - 125
Benzo[b]fluoranthene	ND		2.48	1.95		mg/Kg		79	45 - 125
Benzo[g,h,i]perylene	ND		2.48	2.13		mg/Kg		86	25 - 130
Benzoic acid	ND		2.48	1.21		mg/Kg		49	20 - 120

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: 440-234968-G-5-A MS

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Benzo[k]fluoranthene	ND		2.48	1.95		mg/Kg		79	45 - 125
Benzyl alcohol	ND		2.48	1.60		mg/Kg		65	20 - 120
Bis(2-chloroethoxy)methane	ND		2.48	1.73		mg/Kg		70	45 - 120
Bis(2-chloroethyl)ether	ND		2.48	1.73		mg/Kg		70	35 - 110
Bis(2-ethylhexyl) phthalate	ND		2.48	2.04		mg/Kg		82	45 - 130
4-Bromophenyl phenyl ether	ND		2.48	2.08		mg/Kg		84	45 - 120
Butyl benzyl phthalate	ND		2.48	1.96		mg/Kg		79	45 - 125
4-Chloroaniline	ND		2.48	1.34		mg/Kg		54	20 - 120
4-Chloro-3-methylphenol	ND		2.48	1.86		mg/Kg		75	50 - 125
2-Chloronaphthalene	ND		2.48	2.00		mg/Kg		81	45 - 120
2-Chlorophenol	ND		2.48	1.77		mg/Kg		72	40 - 120
4-Chlorophenyl phenyl ether	ND		2.48	2.00		mg/Kg		81	50 - 120
Chrysene	ND		2.48	1.99		mg/Kg		80	55 - 120
Dibenz(a,h)anthracene	ND		2.48	2.10		mg/Kg		85	25 - 135
Dibenzofuran	ND		2.48	1.97		mg/Kg		80	50 - 120
3,3'-Dichlorobenzidine	ND		2.48	1.41		mg/Kg		57	20 - 130
2,4-Dichlorophenol	ND		2.48	1.98		mg/Kg		80	45 - 120
Diethyl phthalate	ND		2.48	1.95		mg/Kg		79	50 - 125
2,4-Dimethylphenol	ND		2.48	1.77		mg/Kg		72	30 - 120
Dimethyl phthalate	ND		2.48	1.93		mg/Kg		78	45 - 125
Di-n-butyl phthalate	ND		2.48	1.95		mg/Kg		79	50 - 125
2,4-Dinitrophenol	ND	F2	4.96	1.99		mg/Kg		40	20 - 120
2,4-Dinitrotoluene	ND		2.48	1.96		mg/Kg		79	50 - 125
2,6-Dinitrotoluene	ND		2.48	1.94		mg/Kg		78	50 - 125
Di-n-octyl phthalate	ND		2.48	2.01		mg/Kg		81	50 - 135
Fluoranthene	ND		2.48	1.89		mg/Kg		76	45 - 120
Fluorene	ND		2.48	1.99		mg/Kg		80	50 - 120
Hexachlorobenzene	ND		2.48	2.12		mg/Kg		86	50 - 120
Hexachlorocyclopentadiene	ND		2.48	1.21		mg/Kg		49	20 - 125
Hexachloroethane	ND		2.48	1.65		mg/Kg		67	35 - 120
Indeno[1,2,3-cd]pyrene	ND		2.48	2.09		mg/Kg		84	20 - 130
Isophorone	ND		2.48	1.67		mg/Kg		68	40 - 120
2-Methylnaphthalene	ND		2.48	1.82		mg/Kg		74	40 - 120
2-Methylphenol	ND		2.48	1.91		mg/Kg		77	40 - 120
3-Methylphenol + 4-Methylphenol	ND		2.48	1.69		mg/Kg		68	50 - 120
Naphthalene	ND		2.48	1.81		mg/Kg		73	40 - 120
2-Nitroaniline	ND		2.48	1.80		mg/Kg		73	45 - 120
3-Nitroaniline	ND		2.48	1.22		mg/Kg		49	30 - 120
4-Nitroaniline	ND		2.48	2.00		mg/Kg		81	40 - 125
Nitrobenzene	ND		2.48	1.70		mg/Kg		69	40 - 120
2-Nitrophenol	ND		2.48	1.80		mg/Kg		73	40 - 120
4-Nitrophenol	ND		4.96	3.20		mg/Kg		65	35 - 125
N-Nitrosodi-n-propylamine	ND		2.48	1.64		mg/Kg		66	35 - 120
N-Nitrosodiphenylamine	ND		2.48	2.07		mg/Kg		84	45 - 125
Pentachlorophenol	ND		4.96	3.28		mg/Kg		66	30 - 120
Phenanthrene	ND		2.48	1.97		mg/Kg		79	50 - 120
Phenol	ND		2.48	1.79		mg/Kg		72	40 - 120
Pyrene	ND		2.48	2.05		mg/Kg		83	40 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: 440-234968-G-5-A MS

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyridine	ND		4.96	2.29		mg/Kg		46	25 - 130
2,4,5-Trichlorophenol	ND		2.48	1.99		mg/Kg		80	45 - 120
2,4,6-Trichlorophenol	ND		2.48	2.00		mg/Kg		81	45 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl	82		42 - 113
2-Fluorophenol (Surr)	64		18 - 138
Nitrobenzene-d5 (Surr)	68		39 - 104
Phenol-d6 (Surr)	69		37 - 125
Terphenyl-d14 (Surr)	82		43 - 125
2,4,6-Tribromophenol (Surr)	87		10 - 147

Lab Sample ID: 440-234968-G-5-B MSD

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		2.48	1.96		mg/Kg		79	45 - 120	1	25
Acenaphthylene	ND		2.48	2.00		mg/Kg		81	45 - 120	2	20
Aniline	ND		2.48	1.58		mg/Kg		64	25 - 120	1	30
Anthracene	ND		2.48	2.01		mg/Kg		81	55 - 120	1	25
Benzidine	ND	F1 *	2.48	ND	F1	mg/Kg		0	20 - 120	NC	30
Benzo[a]anthracene	ND		2.48	1.89		mg/Kg		76	50 - 120	1	25
Benzo[a]pyrene	ND		2.48	2.05		mg/Kg		83	45 - 125	3	25
Benzo[b]fluoranthene	ND		2.48	2.01		mg/Kg		81	45 - 125	3	30
Benzo[g,h,i]perylene	ND		2.48	2.23		mg/Kg		90	25 - 130	5	30
Benzoic acid	ND		2.48	1.21		mg/Kg		49	20 - 120	0	30
Benzo[k]fluoranthene	ND		2.48	1.94		mg/Kg		78	45 - 125	1	30
Benzyl alcohol	ND		2.48	1.51		mg/Kg		61	20 - 120	6	30
Bis(2-chloroethoxy)methane	ND		2.48	1.70		mg/Kg		69	45 - 120	2	25
Bis(2-chloroethyl)ether	ND		2.48	1.61		mg/Kg		65	35 - 110	7	25
Bis(2-ethylhexyl) phthalate	ND		2.48	2.17		mg/Kg		87	45 - 130	6	25
4-Bromophenyl phenyl ether	ND		2.48	2.04		mg/Kg		82	45 - 120	2	20
Butyl benzyl phthalate	ND		2.48	2.10		mg/Kg		85	45 - 125	7	25
4-Chloroaniline	ND		2.48	1.32		mg/Kg		53	20 - 120	2	30
4-Chloro-3-methylphenol	ND		2.48	1.92		mg/Kg		78	50 - 125	3	25
2-Chloronaphthalene	ND		2.48	1.96		mg/Kg		79	45 - 120	2	20
2-Chlorophenol	ND		2.48	1.75		mg/Kg		71	40 - 120	1	20
4-Chlorophenyl phenyl ether	ND		2.48	2.01		mg/Kg		81	50 - 120	1	25
Chrysene	ND		2.48	2.04		mg/Kg		83	55 - 120	3	25
Dibenz(a,h)anthracene	ND		2.48	2.15		mg/Kg		87	25 - 135	3	30
Dibenzofuran	ND		2.48	1.98		mg/Kg		80	50 - 120	1	25
3,3'-Dichlorobenzidine	ND		2.48	1.39		mg/Kg		56	20 - 130	1	25
2,4-Dichlorophenol	ND		2.48	1.97		mg/Kg		80	45 - 120	0	25
Diethyl phthalate	ND		2.48	1.97		mg/Kg		80	50 - 125	1	25
2,4-Dimethylphenol	ND		2.48	1.76		mg/Kg		71	30 - 120	1	25
Dimethyl phthalate	ND		2.48	1.98		mg/Kg		80	45 - 125	3	25
Di-n-butyl phthalate	ND		2.48	1.97		mg/Kg		79	50 - 125	1	25

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: 440-234968-G-5-B MSD

Matrix: Solid

Analysis Batch: 531819

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 531724

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
2,4-Dinitrophenol	ND	F2	4.96	2.63	F2	mg/Kg		53	20 - 120	28	25
2,4-Dinitrotoluene	ND		2.48	1.93		mg/Kg		78	50 - 125	1	25
2,6-Dinitrotoluene	ND		2.48	1.97		mg/Kg		80	50 - 125	2	20
Di-n-octyl phthalate	ND		2.48	2.10		mg/Kg		85	50 - 135	4	25
Fluoranthene	ND		2.48	1.86		mg/Kg		75	45 - 120	2	25
Fluorene	ND		2.48	2.01		mg/Kg		81	50 - 120	1	25
Hexachlorobenzene	ND		2.48	2.09		mg/Kg		84	50 - 120	2	25
Hexachlorocyclopentadiene	ND		2.48	1.49		mg/Kg		60	20 - 125	20	30
Hexachloroethane	ND		2.48	1.60		mg/Kg		65	35 - 120	3	30
Indeno[1,2,3-cd]pyrene	ND		2.48	2.16		mg/Kg		87	20 - 130	3	30
Isophorone	ND		2.48	1.70		mg/Kg		69	40 - 120	2	25
2-Methylnaphthalene	ND		2.48	1.87		mg/Kg		76	40 - 120	3	20
2-Methylphenol	ND		2.48	1.72		mg/Kg		70	40 - 120	10	25
3-Methylphenol + 4-Methylphenol	ND		2.48	1.75		mg/Kg		71	50 - 120	3	25
Naphthalene	ND		2.48	1.81		mg/Kg		73	40 - 120	0	25
2-Nitroaniline	ND		2.48	1.92		mg/Kg		77	45 - 120	7	25
3-Nitroaniline	ND		2.48	1.23		mg/Kg		50	30 - 120	2	25
4-Nitroaniline	ND		2.48	1.99		mg/Kg		80	40 - 125	0	30
Nitrobenzene	ND		2.48	1.62		mg/Kg		66	40 - 120	5	25
2-Nitrophenol	ND		2.48	1.90		mg/Kg		77	40 - 120	5	25
4-Nitrophenol	ND		4.96	3.42		mg/Kg		69	35 - 125	7	30
N-Nitrosodi-n-propylamine	ND		2.48	1.63		mg/Kg		66	35 - 120	1	25
N-Nitrosodiphenylamine	ND		2.48	2.10		mg/Kg		85	45 - 125	1	25
Pentachlorophenol	ND		4.96	3.37		mg/Kg		68	30 - 120	3	25
Phenanthrene	ND		2.48	2.02		mg/Kg		81	50 - 120	3	25
Phenol	ND		2.48	1.77		mg/Kg		71	40 - 120	1	25
Pyrene	ND		2.48	2.13		mg/Kg		86	40 - 125	4	30
Pyridine	ND		4.96	2.15		mg/Kg		43	25 - 130	6	30
2,4,5-Trichlorophenol	ND		2.48	1.99		mg/Kg		80	45 - 120	0	20
2,4,6-Trichlorophenol	ND		2.48	2.04		mg/Kg		83	45 - 120	2	25

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	81		42 - 113
2-Fluorophenol (Surr)	65		18 - 138
Nitrobenzene-d5 (Surr)	69		39 - 104
Phenol-d6 (Surr)	65		37 - 125
Terphenyl-d14 (Surr)	88		43 - 125
2,4,6-Tribromophenol (Surr)	87		10 - 147

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 440-531735/6

Matrix: Solid

Analysis Batch: 531735

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
GRO (C4-C12)	ND		400	150	ug/Kg			03/01/19 10:37	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: MB 440-531735/6
Matrix: Solid
Analysis Batch: 531735

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

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	93		65 - 140		03/01/19 10:37	1

Lab Sample ID: LCS 440-531735/4
Matrix: Solid
Analysis Batch: 531735

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							RPD	Limit
GRO (C4-C12)	1600	1690		ug/Kg		105	70 - 135	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	83		65 - 140

Lab Sample ID: LCSD 440-531735/5
Matrix: Solid
Analysis Batch: 531735

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
							RPD	Limit		
GRO (C4-C12)	1600	1740		ug/Kg		109	70 - 135	3	20	

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	96		65 - 140

Lab Sample ID: 440-234894-1 MS
Matrix: Solid
Analysis Batch: 531735

Client Sample ID: DSPE-3-RE-1.5-20190227
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									RPD	Limit
GRO (C4-C12)	ND		1760	1690		ug/Kg	✱	96	60 - 140	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		65 - 140

Lab Sample ID: 440-234894-1 MSD
Matrix: Solid
Analysis Batch: 531735

Client Sample ID: DSPE-3-RE-1.5-20190227
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD	Limit
									RPD	Limit		
GRO (C4-C12)	ND		1740	1690		ug/Kg	✱	97	60 - 140	0	30	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		65 - 140

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 440-531568/1-A

Matrix: Solid

Analysis Batch: 531429

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531568

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	2.5	mg/Kg		02/28/19 15:27	02/28/19 21:25	1
ORO (C23-C40)	ND		5.0	2.5	mg/Kg		02/28/19 15:27	02/28/19 21:25	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	86		40 - 140				02/28/19 15:27	02/28/19 21:25	1

Lab Sample ID: LCS 440-531568/2-A

Matrix: Solid

Analysis Batch: 531429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 531568

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
C10-C28	66.7	53.7		mg/Kg		81	45 - 115
Surrogate	%Recovery	LCS Qualifier	Limits				
<i>n</i> -Octacosane	90		40 - 140				

Lab Sample ID: 440-234894-1 MS

Matrix: Solid

Analysis Batch: 531429

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 531568

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
C10-C28	ND		73.3	47.0		mg/Kg	☼	64	40 - 120
Surrogate	%Recovery	MS Qualifier	Limits						
<i>n</i> -Octacosane	66		40 - 140						

Lab Sample ID: 440-234894-1 MSD

Matrix: Solid

Analysis Batch: 531429

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 531568

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C10-C28	ND		73.7	46.1		mg/Kg	☼	63	40 - 120	2	30
Surrogate	%Recovery	MSD Qualifier	Limits								
<i>n</i> -Octacosane	57		40 - 140								

Lab Sample ID: MB 440-532305/1-A

Matrix: Solid

Analysis Batch: 532338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532305

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DRO (C13-C22)	ND		5.0	2.5	mg/Kg		03/05/19 06:38	03/05/19 15:45	1
ORO (C23-C40)	3.18	J	5.0	2.5	mg/Kg		03/05/19 06:38	03/05/19 15:45	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>n</i> -Octacosane	92		40 - 140				03/05/19 06:38	03/05/19 15:45	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 440-532305/2-A

Matrix: Solid

Analysis Batch: 532338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532305

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	66.7	50.8		mg/Kg		76	45 - 115
Surrogate		LCS %Recovery	LCS Qualifier				Limits
<i>n-Octacosane</i>		94					40 - 140

Lab Sample ID: 440-234894-3 MS

Matrix: Solid

Analysis Batch: 532338

Client Sample ID: DSPE-3-RE-3.5-20190227

Prep Type: Total/NA

Prep Batch: 532305

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C10-C28	ND		71.1	50.0		mg/Kg	☼	70	40 - 120
Surrogate		MS %Recovery		MS Qualifier					Limits
<i>n-Octacosane</i>		86							40 - 140

Lab Sample ID: 440-234894-3 MSD

Matrix: Solid

Analysis Batch: 532338

Client Sample ID: DSPE-3-RE-3.5-20190227

Prep Type: Total/NA

Prep Batch: 532305

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
C10-C28	ND		70.8	49.5		mg/Kg	☼	70	40 - 120	1	30
Surrogate		MSD %Recovery		MSD Qualifier					Limits		Limit
<i>n-Octacosane</i>		85							40 - 140		

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-531842/1-A

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
alpha-BHC	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
cis-Chlordane	ND		0.0050	0.0020	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
beta-BHC	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
4,4'-DDD	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
2,4'-DDE	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
4,4'-DDE	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
4,4'-DDT	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
delta-BHC	ND		0.010	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Dieldrin	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Endosulfan I	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Endosulfan II	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Endosulfan sulfate	ND		0.010	0.0020	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Endrin	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Endrin aldehyde	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-531842/1-A

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 531842

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		0.0050	0.0020	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
gamma-BHC (Lindane)	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
trans-Chlordane	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Heptachlor	ND		0.0050	0.0020	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Heptachlor epoxide	ND		0.0050	0.0020	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Methoxychlor	ND		0.0050	0.0015	mg/Kg		03/01/19 13:14	03/04/19 15:13	1
Toxaphene	ND		0.20	0.050	mg/Kg		03/01/19 13:14	03/04/19 15:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	84		21 - 117	03/01/19 13:14	03/04/19 15:13	1
Tetrachloro-m-xylene	69		28 - 115	03/01/19 13:14	03/04/19 15:13	1

Lab Sample ID: LCS 440-531842/2-A

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 531842

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	0.0167	0.0133		mg/Kg		80	53 - 115
alpha-BHC	0.0167	0.0139		mg/Kg		83	57 - 115
cis-Chlordane	0.0167	0.0143		mg/Kg		86	56 - 115
beta-BHC	0.0167	0.0132		mg/Kg		79	58 - 115
4,4'-DDD	0.0167	0.0139		mg/Kg		83	59 - 118
2,4'-DDE	0.0167	0.0131		mg/Kg		79	10 - 150
4,4'-DDE	0.0167	0.0144		mg/Kg		86	55 - 115
4,4'-DDT	0.0167	0.0140		mg/Kg		84	60 - 131
delta-BHC	0.0167	0.0138		mg/Kg		83	52 - 115
Dieldrin	0.0167	0.0139		mg/Kg		83	57 - 115
Endosulfan I	0.0167	0.0136		mg/Kg		82	56 - 115
Endosulfan II	0.0167	0.0141		mg/Kg		85	60 - 117
Endosulfan sulfate	0.0167	0.0134		mg/Kg		81	60 - 115
Endrin	0.0167	0.0145		mg/Kg		87	61 - 120
Endrin aldehyde	0.0167	0.0126		mg/Kg		76	54 - 115
Endrin ketone	0.0167	0.0148		mg/Kg		89	54 - 119
gamma-BHC (Lindane)	0.0167	0.0134		mg/Kg		81	56 - 115
trans-Chlordane	0.0167	0.0141		mg/Kg		85	38 - 150
Heptachlor	0.0167	0.0128		mg/Kg		77	52 - 115
Heptachlor epoxide	0.0167	0.0139		mg/Kg		83	59 - 115
Methoxychlor	0.0167	0.0142		mg/Kg		85	60 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	80		21 - 117
Tetrachloro-m-xylene	68		28 - 115

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-234894-1 MS

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 531842

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Aldrin	ND		0.0184	0.00962		mg/Kg	☼	52		10 - 150
alpha-BHC	ND		0.0184	0.00904		mg/Kg	☼	49		12 - 125
cis-Chlordane	ND		0.0184	0.0104		mg/Kg	☼	56		10 - 150
beta-BHC	0.0038	J	0.0184	0.0152		mg/Kg	☼	62		10 - 150
4,4'-DDD	ND		0.0184	0.0146		mg/Kg	☼	79		10 - 150
2,4'-DDE	ND		0.0184	0.0113		mg/Kg	☼	61		10 - 150
4,4'-DDE	0.0027	J	0.0184	0.0144		mg/Kg	☼	64		10 - 150
4,4'-DDT	ND		0.0184	0.0114		mg/Kg	☼	62		13 - 141
delta-BHC	ND		0.0184	0.00652	J	mg/Kg	☼	35		12 - 130
Dieldrin	ND		0.0184	0.00998		mg/Kg	☼	54		10 - 150
Endosulfan I	ND		0.0184	0.00674		mg/Kg	☼	37		10 - 150
Endosulfan II	ND		0.0184	0.00678		mg/Kg	☼	37		10 - 150
Endosulfan sulfate	ND		0.0184	0.00853	J	mg/Kg	☼	46		10 - 150
Endrin	ND		0.0184	0.0103		mg/Kg	☼	56		10 - 150
Endrin aldehyde	ND		0.0184	0.00730		mg/Kg	☼	40		10 - 131
Endrin ketone	ND		0.0184	0.0104		mg/Kg	☼	56		10 - 134
gamma-BHC (Lindane)	ND		0.0184	0.00806		mg/Kg	☼	44		20 - 119
trans-Chlordane	ND		0.0184	0.0108		mg/Kg	☼	59		10 - 150
Heptachlor	ND		0.0184	0.00858		mg/Kg	☼	47		10 - 150
Heptachlor epoxide	ND		0.0184	0.00983		mg/Kg	☼	53		10 - 150
Methoxychlor	ND		0.0184	0.0109		mg/Kg	☼	59		10 - 150
		MS MS								
Surrogate	%Recovery	Qualifier								Limits
DCB Decachlorobiphenyl (Surr)	91									21 - 117
Tetrachloro-m-xylene	49									28 - 115

Lab Sample ID: 440-234894-1 MSD

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 531842

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
Aldrin	ND		0.0183	0.00930		mg/Kg	☼	51		10 - 150	3	26
alpha-BHC	ND		0.0183	0.00874		mg/Kg	☼	48		12 - 125	3	18
cis-Chlordane	ND		0.0183	0.0100		mg/Kg	☼	55		10 - 150	4	40
beta-BHC	0.0038	J	0.0183	0.0147		mg/Kg	☼	60		10 - 150	3	33
4,4'-DDD	ND		0.0183	0.0140		mg/Kg	☼	77		10 - 150	4	26
2,4'-DDE	ND		0.0183	0.0110		mg/Kg	☼	60		10 - 150	3	24
4,4'-DDE	0.0027	J	0.0183	0.0140		mg/Kg	☼	62		10 - 150	3	40
4,4'-DDT	ND		0.0183	0.0108		mg/Kg	☼	59		13 - 141	6	26
delta-BHC	ND		0.0183	0.00628	J	mg/Kg	☼	34		12 - 130	4	35
Dieldrin	ND		0.0183	0.00959		mg/Kg	☼	52		10 - 150	4	28
Endosulfan I	ND		0.0183	0.00651		mg/Kg	☼	36		10 - 150	3	32
Endosulfan II	ND		0.0183	0.00645		mg/Kg	☼	35		10 - 150	5	25
Endosulfan sulfate	ND		0.0183	0.00799	J	mg/Kg	☼	44		10 - 150	7	35
Endrin	ND		0.0183	0.00984		mg/Kg	☼	54		10 - 150	4	27
Endrin aldehyde	ND		0.0183	0.00672		mg/Kg	☼	37		10 - 131	8	33
Endrin ketone	ND		0.0183	0.00985		mg/Kg	☼	54		10 - 134	5	40
gamma-BHC (Lindane)	ND		0.0183	0.00777		mg/Kg	☼	42		20 - 119	4	24

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-234894-1 MSD

Matrix: Solid

Analysis Batch: 532118

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 531842

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
trans-Chlordane	ND		0.0183	0.0105		mg/Kg	✱	57	10 - 150	3	36
Heptachlor	ND		0.0183	0.00830		mg/Kg	✱	45	10 - 150	3	28
Heptachlor epoxide	ND		0.0183	0.00945		mg/Kg	✱	52	10 - 150	4	25
Methoxychlor	ND		0.0183	0.0101		mg/Kg	✱	55	10 - 150	8	34
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	87		21 - 117								
Tetrachloro-m-xylene	47		28 - 115								

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

Lab Sample ID: MB 440-532058/1-A

Matrix: Solid

Analysis Batch: 532169

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 532058

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1221	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1232	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1242	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1248	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1254	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Aroclor 1260	ND		50	17	ug/Kg		03/04/19 06:59	03/05/19 12:57	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	110		45 - 120				03/04/19 06:59	03/05/19 12:57	1

Lab Sample ID: LCS 440-532058/2-A

Matrix: Solid

Analysis Batch: 532169

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 532058

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Aroclor 1016	267	221		ug/Kg		83	65 - 115
Aroclor 1260	267	249		ug/Kg		93	65 - 115
Surrogate	%Recovery	LCS Qualifier	Limits				
DCB Decachlorobiphenyl (Surr)	114		45 - 120				

Lab Sample ID: 440-234817-G-1-E MS

Matrix: Solid

Analysis Batch: 532169

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 532058

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Aroclor 1016	ND		266	173		ug/Kg		65	50 - 120
Aroclor 1260	ND		266	184		ug/Kg		69	50 - 125

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

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

Lab Sample ID: 440-234817-G-1-E MS
Matrix: Solid
Analysis Batch: 532169

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 532058

Surrogate	<i>MS</i> %Recovery	<i>MS</i> Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	80		45 - 120

Lab Sample ID: 440-234817-G-1-F MSD
Matrix: Solid
Analysis Batch: 532169

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 532058

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	ND		266	175		ug/Kg		66	50 - 120	1	30
Aroclor 1260	ND		266	188		ug/Kg		71	50 - 125	2	30

Surrogate	<i>MSD</i> %Recovery	<i>MSD</i> Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	83		45 - 120

Method: 314.0 - Perchlorate (IC) - DL

Lab Sample ID: 440-234894-2 MS
Matrix: Solid
Analysis Batch: 171118

Client Sample ID: DSPE-3-RE-2.5-20190227
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate - DL	9.7		0.271	11.4	4	mg/Kg	☼	642	80 - 120

Lab Sample ID: 440-234894-2 MSD
Matrix: Solid
Analysis Batch: 171118

Client Sample ID: DSPE-3-RE-2.5-20190227
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate - DL	9.7		0.272	10.8	4	mg/Kg	☼	389	80 - 120	6	15

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 550-171233/1-A
Matrix: Solid
Analysis Batch: 171319

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 171233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		3.0	0.55	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Barium	0.109	J	5.0	0.099	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Cadmium	ND		0.50	0.024	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Chromium	ND		2.0	0.21	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Lead	ND		0.99	0.14	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Selenium	ND		5.0	0.56	mg/Kg		03/06/19 09:27	03/06/19 16:11	1
Silver	ND		2.5	0.14	mg/Kg		03/06/19 09:27	03/06/19 16:11	1

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 550-171233/2-A

Matrix: Solid

Analysis Batch: 171319

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 171233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	48.1	42.0		mg/Kg		87	77 - 105
Barium	48.1	45.4		mg/Kg		94	84 - 111
Cadmium	48.1	42.8		mg/Kg		89	82 - 104
Chromium	48.1	45.9		mg/Kg		95	85 - 112
Lead	48.1	44.0		mg/Kg		92	83 - 108
Selenium	48.1	42.2		mg/Kg		88	77 - 107
Silver	3.61	3.29		mg/Kg		91	83 - 106

Lab Sample ID: LCSD 550-171233/3-A

Matrix: Solid

Analysis Batch: 171319

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 171233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	48.1	42.1		mg/Kg		87	77 - 105	0	20
Barium	48.1	45.8		mg/Kg		95	84 - 111	1	20
Cadmium	48.1	43.4		mg/Kg		90	82 - 104	1	20
Chromium	48.1	46.3		mg/Kg		96	85 - 112	1	20
Lead	48.1	44.0		mg/Kg		92	83 - 108	0	20
Selenium	48.1	42.2		mg/Kg		88	77 - 107	0	20
Silver	3.61	3.30		mg/Kg		91	83 - 106	0	20

Lab Sample ID: 440-234894-1 MS

Matrix: Solid

Analysis Batch: 171319

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 171233

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.7		55.3	50.0		mg/Kg	☼	80	75 - 125
Barium	150	F1 B	55.3	186	F1	mg/Kg	☼	66	75 - 125
Cadmium	ND		55.3	47.6		mg/Kg	☼	86	75 - 125
Chromium	8.1		55.3	54.9		mg/Kg	☼	85	75 - 125
Lead	6.5		55.3	49.7		mg/Kg	☼	78	75 - 125
Selenium	ND	F1	55.3	41.1	F1	mg/Kg	☼	74	75 - 125
Silver	ND		4.14	3.57		mg/Kg	☼	86	75 - 125

Lab Sample ID: 440-234894-1 MSD

Matrix: Solid

Analysis Batch: 171319

Client Sample ID: DSPE-3-RE-1.5-20190227

Prep Type: Total/NA

Prep Batch: 171233

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.7		52.6	47.3		mg/Kg	☼	79	75 - 125	6	20
Barium	150	F1 B	52.6	179	F1	mg/Kg	☼	55	75 - 125	4	20
Cadmium	ND		52.6	44.9		mg/Kg	☼	85	75 - 125	6	20
Chromium	8.1		52.6	50.5		mg/Kg	☼	81	75 - 125	8	20
Lead	6.5		52.6	47.1		mg/Kg	☼	77	75 - 125	5	20
Selenium	ND	F1	52.6	38.2	F1	mg/Kg	☼	73	75 - 125	7	20
Silver	ND		3.95	3.33		mg/Kg	☼	84	75 - 125	7	20

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 550-171237/1-A
Matrix: Solid
Analysis Batch: 171298

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 171237

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.10	0.10	mg/Kg		03/06/19 09:39	03/06/19 14:01	1

Lab Sample ID: LCS 550-171237/2-A
Matrix: Solid
Analysis Batch: 171298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171237

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	0.980		mg/Kg		98	80 - 120

Lab Sample ID: LCSD 550-171237/3-A
Matrix: Solid
Analysis Batch: 171298

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 171237

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.980	0.968		mg/Kg		99	80 - 120	1	20

Lab Sample ID: 440-234894-1 MS
Matrix: Solid
Analysis Batch: 171298

Client Sample ID: DSPE-3-RE-1.5-20190227
Prep Type: Total/NA
Prep Batch: 171237

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		1.08	1.00		mg/Kg	☼	92	75 - 125

Lab Sample ID: 440-234894-1 MSD
Matrix: Solid
Analysis Batch: 171298

Client Sample ID: DSPE-3-RE-1.5-20190227
Prep Type: Total/NA
Prep Batch: 171237

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		1.06	0.971		mg/Kg	☼	91	75 - 125	3	20

Method: 9045C - pH

Lab Sample ID: 440-234894-2 DU
Matrix: Solid
Analysis Batch: 532510

Client Sample ID: DSPE-3-RE-2.5-20190227
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.6	HF	8.6		SU		0.3	2

Method: Moisture - Percent Moisture

Lab Sample ID: 440-234894-1 DU
Matrix: Solid
Analysis Batch: 531919

Client Sample ID: DSPE-3-RE-1.5-20190227
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.5		10.0		%		5	20

TestAmerica Irvine

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

GC/MS VOA

Analysis Batch: 531966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8260B/5030B	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8260B/5030B	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8260B/5030B	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8260B/5030B	
MB 440-531966/4	Method Blank	Total/NA	Solid	8260B/5030B	
LCS 440-531966/5	Lab Control Sample	Total/NA	Solid	8260B/5030B	
440-234894-2 MS	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8260B/5030B	
440-234894-2 MSD	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8260B/5030B	

GC/MS Semi VOA

Prep Batch: 531724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	3546	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	3546	
MB 440-531724/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-531724/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-234968-G-5-A MS	Matrix Spike	Total/NA	Solid	3546	
440-234968-G-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 531819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-531724/2-A	Lab Control Sample	Total/NA	Solid	8270C	531724
440-234968-G-5-A MS	Matrix Spike	Total/NA	Solid	8270C	531724
440-234968-G-5-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C	531724

Analysis Batch: 532121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	8270C	531724
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8270C	531724
MB 440-531724/1-A	Method Blank	Total/NA	Solid	8270C	531724

GC VOA

Analysis Batch: 531735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8015B	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8015B	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8015B	
MB 440-531735/6	Method Blank	Total/NA	Solid	8015B	
LCS 440-531735/4	Lab Control Sample	Total/NA	Solid	8015B	
LCS 440-531735/5	Lab Control Sample Dup	Total/NA	Solid	8015B	
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

GC Semi VOA

Analysis Batch: 531429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	531568
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8015B	531568
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8015B	531568
MB 440-531568/1-A	Method Blank	Total/NA	Solid	8015B	531568
LCS 440-531568/2-A	Lab Control Sample	Total/NA	Solid	8015B	531568
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	531568
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8015B	531568

Prep Batch: 531568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	3546	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	3546	
MB 440-531568/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-531568/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	

Prep Batch: 531842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	3546	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	3546	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	3546	
MB 440-531842/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-531842/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3546	

Prep Batch: 532058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	3546	
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	3546	
440-234894-5	DSPE-5-RE-1.0-20190227	Total/NA	Solid	3546	
440-234894-6	DSPE-6-RE-1.0-20190227	Total/NA	Solid	3546	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	3546	
MB 440-532058/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-532058/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-234817-G-1-E MS	Matrix Spike	Total/NA	Solid	3546	
440-234817-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 532118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8081A	531842
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8081A	531842
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8081A	531842
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8081A	531842
MB 440-531842/1-A	Method Blank	Total/NA	Solid	8081A	531842
LCS 440-531842/2-A	Lab Control Sample	Total/NA	Solid	8081A	531842
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8081A	531842
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	8081A	531842

TestAmerica Irvine

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Analysis Batch: 532169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	8082	532058
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	8082	532058
440-234894-5	DSPE-5-RE-1.0-20190227	Total/NA	Solid	8082	532058
440-234894-6	DSPE-6-RE-1.0-20190227	Total/NA	Solid	8082	532058
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	8082	532058
MB 440-532058/1-A	Method Blank	Total/NA	Solid	8082	532058
LCS 440-532058/2-A	Lab Control Sample	Total/NA	Solid	8082	532058
440-234817-G-1-E MS	Matrix Spike	Total/NA	Solid	8082	532058
440-234817-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8082	532058

Prep Batch: 532305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	3546	
MB 440-532305/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-532305/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-234894-3 MS	DSPE-3-RE-3.5-20190227	Total/NA	Solid	3546	
440-234894-3 MSD	DSPE-3-RE-3.5-20190227	Total/NA	Solid	3546	

Analysis Batch: 532338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8015B	532305
MB 440-532305/1-A	Method Blank	Total/NA	Solid	8015B	532305
LCS 440-532305/2-A	Lab Control Sample	Total/NA	Solid	8015B	532305
440-234894-3 MS	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8015B	532305
440-234894-3 MSD	DSPE-3-RE-3.5-20190227	Total/NA	Solid	8015B	532305

HPLC/IC

Leach Batch: 170938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2 - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	DI Leach	
440-234894-4 - DL	DSPE-4-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-5	DSPE-5-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-6 - DL	DSPE-6-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-7 - DL	DSPE-7-RE-3.0-20190227	Soluble	Solid	DI Leach	
440-234894-2 MS - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	DI Leach	
440-234894-2 MSD - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	DI Leach	

Analysis Batch: 171118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2 - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	314.0	170938
440-234894-4 - DL	DSPE-4-RE-1.0-20190227	Soluble	Solid	314.0	170938
440-234894-5	DSPE-5-RE-1.0-20190227	Soluble	Solid	314.0	170938
440-234894-6 - DL	DSPE-6-RE-1.0-20190227	Soluble	Solid	314.0	170938
440-234894-7 - DL	DSPE-7-RE-3.0-20190227	Soluble	Solid	314.0	170938
440-234894-2 MS - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	314.0	170938
440-234894-2 MSD - DL	DSPE-3-RE-2.5-20190227	Soluble	Solid	314.0	170938

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Metals

Prep Batch: 171233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3050B	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	3050B	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	3050B	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	3050B	
MB 550-171233/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 550-171233/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCS D 550-171233/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3050B	
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	3050B	

Prep Batch: 171237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	7471A	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	7471A	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	7471A	
MB 550-171237/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 550-171237/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCS D 550-171237/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	

Analysis Batch: 171298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	171237
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	7471A	171237
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	7471A	171237
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	7471A	171237
MB 550-171237/1-A	Method Blank	Total/NA	Solid	7471A	171237
LCS 550-171237/2-A	Lab Control Sample	Total/NA	Solid	7471A	171237
LCS D 550-171237/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	171237
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	171237
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	7471A	171237

Analysis Batch: 171319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	6010B	171233
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	6010B	171233
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	6010B	171233
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	6010B	171233
MB 550-171233/1-A	Method Blank	Total/NA	Solid	6010B	171233
LCS 550-171233/2-A	Lab Control Sample	Total/NA	Solid	6010B	171233
LCS D 550-171233/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	171233
440-234894-1 MS	DSPE-3-RE-1.5-20190227	Total/NA	Solid	6010B	171233
440-234894-1 MSD	DSPE-3-RE-1.5-20190227	Total/NA	Solid	6010B	171233

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

General Chemistry

Analysis Batch: 531919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-1	DSPE-3-RE-1.5-20190227	Total/NA	Solid	Moisture	
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	Moisture	
440-234894-3	DSPE-3-RE-3.5-20190227	Total/NA	Solid	Moisture	
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	Moisture	
440-234894-5	DSPE-5-RE-1.0-20190227	Total/NA	Solid	Moisture	
440-234894-6	DSPE-6-RE-1.0-20190227	Total/NA	Solid	Moisture	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	Moisture	
440-234894-1 DU	DSPE-3-RE-1.5-20190227	Total/NA	Solid	Moisture	

Analysis Batch: 532183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2	DSPE-3-RE-2.5-20190227	Total/NA	Solid	7.1.2	
440-234894-4	DSPE-4-RE-1.0-20190227	Total/NA	Solid	7.1.2	
440-234894-5	DSPE-5-RE-1.0-20190227	Total/NA	Solid	7.1.2	
440-234894-6	DSPE-6-RE-1.0-20190227	Total/NA	Solid	7.1.2	
440-234894-7	DSPE-7-RE-3.0-20190227	Total/NA	Solid	7.1.2	

Leach Batch: 532400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2	DSPE-3-RE-2.5-20190227	Soluble	Solid	DI Leach	
440-234894-4	DSPE-4-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-5	DSPE-5-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-6	DSPE-6-RE-1.0-20190227	Soluble	Solid	DI Leach	
440-234894-7	DSPE-7-RE-3.0-20190227	Soluble	Solid	DI Leach	
440-234894-2 DU	DSPE-3-RE-2.5-20190227	Soluble	Solid	DI Leach	

Analysis Batch: 532510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-2	DSPE-3-RE-2.5-20190227	Soluble	Solid	9045C	532400
440-234894-4	DSPE-4-RE-1.0-20190227	Soluble	Solid	9045C	532400
440-234894-5	DSPE-5-RE-1.0-20190227	Soluble	Solid	9045C	532400
440-234894-6	DSPE-6-RE-1.0-20190227	Soluble	Solid	9045C	532400
440-234894-7	DSPE-7-RE-3.0-20190227	Soluble	Solid	9045C	532400
440-234894-2 DU	DSPE-3-RE-2.5-20190227	Soluble	Solid	9045C	532400

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
X	Surrogate is outside control limits

HPLC/IC

Qualifier	Qualifier Description
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.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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Accreditation/Certification Summary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-1

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-19
Arizona	State Program	9	AZ0671	10-14-19
California	LA Cty Sanitation Districts	9	10256	06-30-19
California	State Program	9	CA ELAP 2706	06-30-19
Guam	State Program	9	Cert. No. 19-005R	01-23-20
Hawaii	State Program	9	N/A	01-29-20
Kansas	NELAP	7	E-10420	07-31-19
Nevada	State Program	9	CA015312018-1	07-31-19
New Mexico	State Program	6	N/A	01-29-20
Oregon	NELAP	10	4028	01-29-20
US Fish & Wildlife	Federal		058448	07-31-19
USDA	Federal		P330-18-00214	07-09-21
Washington	State Program	10	C900	09-03-19

Laboratory: TestAmerica Phoenix

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

Authority	Program	EPA Region	Identification Number	Expiration Date
AIHA-LAP, LLC	ELLAP		154268	07-01-19
AIHA-LAP, LLC	IHLAP		154268	07-01-19
Arizona	State Program	9	AZ0728	06-09-19
California	LA Cty Sanitation Districts	9	9254471	04-10-19
California	State Program	9	2941	03-09-19
Nevada	State Program	9	AZ01030	07-31-19
Oregon	NELAP	10	AZ100001	03-09-19
USDA	Federal		P330-16-00302	08-27-19


CHAIN OF CUSTODY FORM

[] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (0116)

Page 1 of 1

Client Name / Address: PEH - 2200 1st Street Suite 200 Emphalea 94108	Project/PO Number: Phone Number: (504) 400-2563 Email Address: Debra@Permittion.com	Analysis Required										Special Instructions			
		Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs	PCB's	TPH	PCB		PH	EMSA	PCB's
DSPE-3-PE-15-20100227	S		4	2/27/19	0630	None	X	X	X	X	X	X	X	X	
DSPE-3-PE-25-20100227					0630		X	X	X	X	X	X	X	X	
DSPE-3-PE-35-20100227					0640		X	X	X	X	X	X	X	X	
DSPE-4-PE-10-20100227					0635		X	X	X	X	X	X	X	X	
DSPE-5-PE-10-20100227					0835		X	X	X	X	X	X	X	X	
DSPE-6-PE-10-20100227					0910		X	X	X	X	X	X	X	X	
DSPE-7-PE-30-20100227					0855		X	X	X	X	X	X	X	X	



440-234894 Chain of Custody

Relinquished By: <i>[Signature]</i>	Date/Time: 2/27/19 1630	Received By: <i>[Signature]</i>	Date/Time: 2-27-19 1530
Relinquished By: <i>[Signature]</i>	Date/Time: 2/27/19 1630	Received By: <i>[Signature]</i>	Date/Time: _____
Relinquished By: _____	Date/Time: _____	Received in Lab By: <i>[Signature]</i>	Date/Time: 2/28/19 1030

Turnaround Time: (Check) 72 hours same day
5 days 48 hours normal

Sample Integrity: (Check) intact on ice

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days. *TAXUS SR-67 14.5 14.0*



THE LEADER IN ENVIRONMENTAL TESTING
 TAL-0013-550 (0116)

[] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340

TestAmerica
 Las Vegas
 219

Len 2/28/10
 #8631
 440-234894
 3/6/2019

Client Name / Address:
 BEH - 2000 1st Street
 5th Floor Emeryville CA 94608

Project / PO Number:
 Phone Number: (510) 480-3563

Analysis Required

Sampler: J. Kieren

Email Address: Debra@Beh.com

Page 1 of 1

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs	SVOCs	PCBAs Metals	TPH	PCB	OCF	PH	Feasibility	Reaches	TCLP Extracts	Special Instructions
1 DPRE-3-RE-15-20190227	S		2	2-27-19	0930	NONE	X	X	X	X	X	X	X	X	X	X	
2 DPRE-3-RE-25-20190227					0940		X	X	X	X	X	X	X	X	X	X	
3 DPRE-3-RE-35-20190227					0940		X	X	X	X	X	X	X	X	X	X	
4 DPRE-4-RE-10-20190227					0835		X	X	X	X	X	X	X	X	X	X	
5 DPRE-5-RE-10-20190227					0835		X	X	X	X	X	X	X	X	X	X	
6 DPRE-6-RE-10-20190227					0855		X	X	X	X	X	X	X	X	X	X	
7 DPRE-7-RE-30-20190227					0855		X	X	X	X	X	X	X	X	X	X	



440-234894 Chain of Custody

Relinquished By: [Signature]
 Date/Time: 2-27-19 1530

Received By: [Signature]
 Date/Time: 2-27-19 1530

Turnaround Time: (Check)
 same day _____ 72 hours _____
 24 hours _____ 5 days _____
 48 hours _____ normal _____

Sample Integrity: (Check)
 intact _____ on ice _____

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

2-28-19

TALUS IR-67 14.5 14.0 4.2

REPO

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-234894-1

Login Number: 234894

List Source: TestAmerica Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-234894-1

Login Number: 234894

List Number: 2

Creator: Maycock, Lisa

List Source: TestAmerica Phoenix

List Creation: 03/01/19 03:00 PM

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



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-234894-2

Client Project/Site: NERT Dioxin impacted soil

For:

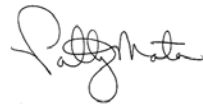
Ramboll US Corporation

2200 Powell Street

Suite 700

Emeryville, California 94608

Attn: Mr. Dan Clark



Authorized for release by:

3/8/2019 12:11:09 PM

Patty Mata, Senior Project Manager

(949)261-1022

patty.mata@testamericainc.com

LINKS

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results through

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-234894-4	DSPE-4-RE-1.0-20190227	Solid	02/27/19 08:25	02/28/19 10:30

- 1
- 2
- 3
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- 11
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- 13

Case Narrative

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Job ID: 440-234894-2

Laboratory: TestAmerica Irvine

Narrative

**Job Narrative
440-234894-2**

Comments

Additional TCLP SVOC test was requested per client's 3/5/19 email. Only the additional TCLP test results are included in this report.

Receipt

The samples were received on 2/28/2019 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS Semi VOA

Method(s) 8270C: The TCLP laboratory control sample duplicate (LCSD) for preparation batch 550-171388 and analytical batch 550-171387 recovered outside control limits for the following analyte: Pentachlorophenol. This analyte was biased high in the LCSD but recovered within acceptable limits in the batch laboratory control sample, matrix spike, and matrix spike duplicate. The affected target analyte was not detected in the associated samples; therefore, the data have been reported.

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.

Organic Prep

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

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.10	0.0030	mg/L		03/07/19 12:03	03/07/19 20:54	1
3 & 4 Methylphenol	ND		0.10	0.0050	mg/L		03/07/19 12:03	03/07/19 20:54	1
2,4-Dinitrotoluene	ND		0.050	0.0040	mg/L		03/07/19 12:03	03/07/19 20:54	1
Hexachloroethane	ND		0.10	0.0030	mg/L		03/07/19 12:03	03/07/19 20:54	1
Hexachlorobenzene	ND		0.050	0.020	mg/L		03/07/19 12:03	03/07/19 20:54	1
Hexachlorobutadiene	ND		0.10	0.0040	mg/L		03/07/19 12:03	03/07/19 20:54	1
Nitrobenzene	ND		0.10	0.020	mg/L		03/07/19 12:03	03/07/19 20:54	1
Pentachlorophenol	ND	*	0.25	0.0050	mg/L		03/07/19 12:03	03/07/19 20:54	1
Pyridine	ND	F2	0.10	0.0010	mg/L		03/07/19 12:03	03/07/19 20:54	1
2,4,5-Trichlorophenol	ND		0.20	0.0020	mg/L		03/07/19 12:03	03/07/19 20:54	1
2,4,6-Trichlorophenol	ND		0.20	0.0070	mg/L		03/07/19 12:03	03/07/19 20:54	1
1,4-Dichlorobenzene	ND		0.10	0.0040	mg/L		03/07/19 12:03	03/07/19 20:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	70		11 - 100				03/07/19 12:03	03/07/19 20:54	1
Nitrobenzene-d5 (Surr)	72		29 - 111				03/07/19 12:03	03/07/19 20:54	1
2-Fluorobiphenyl (Surr)	74		30 - 109				03/07/19 12:03	03/07/19 20:54	1
2,4,6-Tribromophenol (Surr)	76		39 - 112				03/07/19 12:03	03/07/19 20:54	1
p-Terphenyl-d14 (Surr)	92		36 - 127				03/07/19 12:03	03/07/19 20:54	1
Phenol-d5 (Surr)	65		10 - 100				03/07/19 12:03	03/07/19 20:54	1

Method Summary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Method	Method Description	Protocol	Laboratory
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL PHX
1311	TCLP Extraction	SW846	TAL PHX
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL PHX

Protocol References:

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

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340



Lab Chronicle

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Client Sample ID: DSPE-4-RE-1.0-20190227

Lab Sample ID: 440-234894-4

Date Collected: 02/27/19 08:25

Matrix: Solid

Date Received: 02/28/19 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.00 g	2000 mL	171046	03/04/19 19:25	TRB	TAL PHX
TCLP	Prep	3510C			200 mL	2 mL	171388	03/07/19 12:03	HKT	TAL PHX
TCLP	Analysis	8270C		1			171387	03/07/19 20:54	TC1	TAL PHX

Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

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QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

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

Lab Sample ID: LCS 550-171388/2-A

Matrix: Solid

Analysis Batch: 171387

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 171388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	0.500	0.381		mg/L		76	44 - 100
3 & 4 Methylphenol	0.500	0.390		mg/L		78	45 - 100
2,4-Dinitrotoluene	0.500	0.395		mg/L		79	46 - 107
Hexachloroethane	0.500	0.341		mg/L		68	12 - 100
Hexachlorobenzene	0.500	0.387		mg/L		77	41 - 107
Hexachlorobutadiene	0.500	0.372		mg/L		74	10 - 100
Nitrobenzene	0.500	0.367		mg/L		73	40 - 100
Pentachlorophenol	1.00	0.970		mg/L		97	37 - 111
Pyridine	1.00	0.469		mg/L		47	17 - 100
2,4,5-Trichlorophenol	0.500	0.405		mg/L		81	39 - 108
2,4,6-Trichlorophenol	0.500	0.407		mg/L		81	42 - 105
1,4-Dichlorobenzene	0.500	0.356		mg/L		71	21 - 100

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	68		11 - 100
Nitrobenzene-d5 (Surr)	72		29 - 111
2-Fluorobiphenyl (Surr)	76		30 - 109
2,4,6-Tribromophenol (Surr)	82		39 - 112
p-Terphenyl-d14 (Surr)	81		36 - 127
Phenol-d5 (Surr)	65		10 - 100

Lab Sample ID: LCSD 550-171388/3-A

Matrix: Solid

Analysis Batch: 171387

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 171388

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylphenol	0.500	0.407		mg/L		81	44 - 100	6	29
3 & 4 Methylphenol	0.500	0.412		mg/L		82	45 - 100	6	27
2,4-Dinitrotoluene	0.500	0.438		mg/L		88	46 - 107	10	27
Hexachloroethane	0.500	0.357		mg/L		71	12 - 100	5	35
Hexachlorobenzene	0.500	0.449		mg/L		90	41 - 107	15	32
Hexachlorobutadiene	0.500	0.396		mg/L		79	10 - 100	6	35
Nitrobenzene	0.500	0.404		mg/L		81	40 - 100	9	35
Pentachlorophenol	1.00	1.12 *		mg/L		112	37 - 111	14	29
Pyridine	1.00	0.530		mg/L		53	17 - 100	12	35
2,4,5-Trichlorophenol	0.500	0.450		mg/L		90	39 - 108	11	35
2,4,6-Trichlorophenol	0.500	0.452		mg/L		90	42 - 105	11	33
1,4-Dichlorobenzene	0.500	0.378		mg/L		76	21 - 100	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	73		11 - 100
Nitrobenzene-d5 (Surr)	76		29 - 111
2-Fluorobiphenyl (Surr)	82		30 - 109
2,4,6-Tribromophenol (Surr)	91		39 - 112
p-Terphenyl-d14 (Surr)	89		36 - 127
Phenol-d5 (Surr)	68		10 - 100

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

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

Lab Sample ID: LB2 550-171046/1-C

Matrix: Solid

Analysis Batch: 171387

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 171388

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	ND		0.10	0.0030	mg/L		03/07/19 12:03	03/07/19 18:57	1
3 & 4 Methylphenol	ND		0.10	0.0050	mg/L		03/07/19 12:03	03/07/19 18:57	1
2,4-Dinitrotoluene	ND		0.050	0.0040	mg/L		03/07/19 12:03	03/07/19 18:57	1
Hexachloroethane	ND		0.10	0.0030	mg/L		03/07/19 12:03	03/07/19 18:57	1
Hexachlorobenzene	ND		0.050	0.020	mg/L		03/07/19 12:03	03/07/19 18:57	1
Hexachlorobutadiene	ND		0.10	0.0040	mg/L		03/07/19 12:03	03/07/19 18:57	1
Nitrobenzene	ND		0.10	0.020	mg/L		03/07/19 12:03	03/07/19 18:57	1
Pentachlorophenol	ND		0.25	0.0050	mg/L		03/07/19 12:03	03/07/19 18:57	1
Pyridine	ND		0.10	0.0010	mg/L		03/07/19 12:03	03/07/19 18:57	1
2,4,5-Trichlorophenol	ND		0.20	0.0020	mg/L		03/07/19 12:03	03/07/19 18:57	1
2,4,6-Trichlorophenol	ND		0.20	0.0070	mg/L		03/07/19 12:03	03/07/19 18:57	1
1,4-Dichlorobenzene	ND		0.10	0.0040	mg/L		03/07/19 12:03	03/07/19 18:57	1

Surrogate	LB2 %Recovery	LB2 Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	70		11 - 100	03/07/19 12:03	03/07/19 18:57	1
Nitrobenzene-d5 (Surr)	72		29 - 111	03/07/19 12:03	03/07/19 18:57	1
2-Fluorobiphenyl (Surr)	75		30 - 109	03/07/19 12:03	03/07/19 18:57	1
2,4,6-Tribromophenol (Surr)	82		39 - 112	03/07/19 12:03	03/07/19 18:57	1
p-Terphenyl-d14 (Surr)	92		36 - 127	03/07/19 12:03	03/07/19 18:57	1
Phenol-d5 (Surr)	66		10 - 100	03/07/19 12:03	03/07/19 18:57	1

Lab Sample ID: 440-234894-4 MS

Matrix: Solid

Analysis Batch: 171387

Client Sample ID: DSPE-4-RE-1.0-20190227

Prep Type: TCLP

Prep Batch: 171388

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylphenol	ND		0.500	0.408		mg/L		82	44 - 100
3 & 4 Methylphenol	ND		0.500	0.416		mg/L		83	45 - 100
2,4-Dinitrotoluene	ND		0.500	0.434		mg/L		87	46 - 107
Hexachloroethane	ND		0.500	0.376		mg/L		75	12 - 100
Hexachlorobenzene	ND		0.500	0.432		mg/L		86	41 - 107
Hexachlorobutadiene	ND		0.500	0.400		mg/L		80	10 - 100
Nitrobenzene	ND		0.500	0.398		mg/L		80	40 - 100
Pentachlorophenol	ND	*	1.00	1.04		mg/L		104	37 - 111
Pyridine	ND	F2	1.00	0.431		mg/L		43	17 - 100
2,4,5-Trichlorophenol	ND		0.500	0.427		mg/L		85	39 - 108
2,4,6-Trichlorophenol	ND		0.500	0.437		mg/L		87	42 - 105
1,4-Dichlorobenzene	ND		0.500	0.379		mg/L		76	21 - 100

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorophenol (Surr)	72		11 - 100
Nitrobenzene-d5 (Surr)	76		29 - 111
2-Fluorobiphenyl (Surr)	79		30 - 109
2,4,6-Tribromophenol (Surr)	88		39 - 112
p-Terphenyl-d14 (Surr)	86		36 - 127
Phenol-d5 (Surr)	71		10 - 100

TestAmerica Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

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

Lab Sample ID: 440-234894-4 MSD

Matrix: Solid

Analysis Batch: 171387

Client Sample ID: DSPE-4-RE-1.0-20190227

Prep Type: TCLP

Prep Batch: 171388

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Methylphenol	ND		0.500	0.427		mg/L		85	44 - 100	5	29
3 & 4 Methylphenol	ND		0.500	0.394		mg/L		79	45 - 100	5	27
2,4-Dinitrotoluene	ND		0.500	0.452		mg/L		90	46 - 107	4	27
Hexachloroethane	ND		0.500	0.387		mg/L		77	12 - 100	3	35
Hexachlorobenzene	ND		0.500	0.450		mg/L		90	41 - 107	4	32
Hexachlorobutadiene	ND		0.500	0.416		mg/L		83	10 - 100	4	35
Nitrobenzene	ND		0.500	0.418		mg/L		84	40 - 100	5	35
Pentachlorophenol	ND	*	1.00	1.08		mg/L		108	37 - 111	3	29
Pyridine	ND	F2	1.00	0.676	F2	mg/L		68	17 - 100	44	35
2,4,5-Trichlorophenol	ND		0.500	0.444		mg/L		89	39 - 108	4	35
2,4,6-Trichlorophenol	ND		0.500	0.447		mg/L		89	42 - 105	2	33
1,4-Dichlorobenzene	ND		0.500	0.388		mg/L		78	21 - 100	2	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorophenol (Surr)	74		11 - 100
Nitrobenzene-d5 (Surr)	78		29 - 111
2-Fluorobiphenyl (Surr)	81		30 - 109
2,4,6-Tribromophenol (Surr)	90		39 - 112
p-Terphenyl-d14 (Surr)	89		36 - 127
Phenol-d5 (Surr)	71		10 - 100

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

GC/MS Semi VOA

Leach Batch: 171046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-4	DSPE-4-RE-1.0-20190227	TCLP	Solid	1311	
LB2 550-171046/1-C	Method Blank	TCLP	Solid	1311	
440-234894-4 MS	DSPE-4-RE-1.0-20190227	TCLP	Solid	1311	
440-234894-4 MSD	DSPE-4-RE-1.0-20190227	TCLP	Solid	1311	

Analysis Batch: 171387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-4	DSPE-4-RE-1.0-20190227	TCLP	Solid	8270C	171388
LB2 550-171046/1-C	Method Blank	TCLP	Solid	8270C	171388
LCS 550-171388/2-A	Lab Control Sample	Total/NA	Solid	8270C	171388
LCSD 550-171388/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C	171388
440-234894-4 MS	DSPE-4-RE-1.0-20190227	TCLP	Solid	8270C	171388
440-234894-4 MSD	DSPE-4-RE-1.0-20190227	TCLP	Solid	8270C	171388

Prep Batch: 171388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-234894-4	DSPE-4-RE-1.0-20190227	TCLP	Solid	3510C	171046
LB2 550-171046/1-C	Method Blank	TCLP	Solid	3510C	171046
LCS 550-171388/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 550-171388/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	
440-234894-4 MS	DSPE-4-RE-1.0-20190227	TCLP	Solid	3510C	171046
440-234894-4 MSD	DSPE-4-RE-1.0-20190227	TCLP	Solid	3510C	171046

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

TestAmerica Job ID: 440-234894-2

Laboratory: TestAmerica Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-19
Arizona	State Program	9	AZ0671	10-14-19
California	LA Cty Sanitation Districts	9	10256	06-30-19
California	State Program	9	CA ELAP 2706	06-30-19
Guam	State Program	9	Cert. No. 19-005R	01-23-20
Hawaii	State Program	9	N/A	01-29-20
Kansas	NELAP	7	E-10420	07-31-19
Nevada	State Program	9	CA015312018-1	07-31-19
New Mexico	State Program	6	N/A	01-29-20
Oregon	NELAP	10	4028	01-29-20
US Fish & Wildlife	Federal		058448	07-31-19
USDA	Federal		P330-18-00214	07-09-21
Washington	State Program	10	C900	09-03-19

Laboratory: TestAmerica Phoenix

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

Authority	Program	EPA Region	Identification Number	Expiration Date
AIHA-LAP, LLC	ELLAP		154268	07-01-19
AIHA-LAP, LLC	IHLAP		154268	07-01-19
Arizona	State Program	9	AZ0728	06-09-19
California	LA Cty Sanitation Districts	9	9254471	04-10-19
California	State Program	9	2941	03-09-19 *
Nevada	State Program	9	AZ01030	07-31-19
Oregon	NELAP	10	AZ100001	03-09-19 *
USDA	Federal		P330-16-00302	08-27-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.


CHAIN OF CUSTODY FORM

[] Phoenix - 4625 E. Cotton Center Blvd., Suite 189, Phoenix, AZ 85040 (602) 437-3340

THE LEADER IN ENVIRONMENTAL TESTING
TAL-0013-550 (0116)

Page 1 of 1

Client Name / Address: PEH - 2200 1st Street Suite 200 Emphalea 94108	Project / PO Number: Phone Number: (504) 400-2563 Email Address: Debra@Permin.com	Analysis Required										Special Instructions				
		Sample Matrix	Container Type	# of Cont.	Sampling Date	Sampling Time	Preservatives	VOCs	PCB's	TPH	PCB		PH	Emulsify	Residuals	TCAP Extracts
Sampler: J. Kieren																
DPE-3-PE-15-2010027	5		4	2/24/10	0630	None	X	X	X	X	X	X	X	X	X	
DPE-3-PE-25-2010027					0630		X	X	X	X	X	X	X	X	X	
DPE-3-PE-35-2010027					0640		X	X	X	X	X	X	X	X	X	
DPE-4-PE-10-2010027					0635		X	X	X	X	X	X	X	X	X	
DPE-5-PE-10-2010027					0835		X	X	X	X	X	X	X	X	X	
DPE-6-PE-10-2010027					0910		X	X	X	X	X	X	X	X	X	
DPE-7-PE-30-2010027					0855		X	X	X	X	X	X	X	X	X	



440-234894 Chain of Custody

Relinquished By: <i>[Signature]</i>	Date / Time: 2/27/19 1630	Received By: <i>[Signature]</i>	Date / Time: 2-27-19 1530
Relinquished By: <i>[Signature]</i>	Date / Time: 2/27/19 1630	Received By: <i>[Signature]</i>	Date / Time: _____
Relinquished By: _____	Date / Time: _____	Received in Lab By: <i>[Signature]</i>	Date / Time: 2/28/19 1030

Turnaround Time: (Check) 72 hours
 same day
 24 hours
 48 hours
 normal

Sample Integrity: (Check) intact
 on ice

Note: By relinquishing samples to TestAmerica, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days. *TAXUS SR-67 14.5 14.0*



Mata, Patty

From: Dan Clark <dclark@ramboll.com>
Sent: Tuesday, March 05, 2019 11:37 AM
To: Mata, Patty
Subject: RE: Waste Disposal Soil Samples

-External Email-

Thank you, please run DSPE-4-RE-1.0-20190227 for TCLP HCB.

Dan Clark
Senior Consultant 2

D +1 (510) 4202563
M +1 (510) 2997036
dclark@ramboll.com

From: Mata, Patty <Patty.Mata@testamericainc.com>
Sent: Tuesday, March 05, 2019 11:21 AM
To: Dan Clark <dclark@ramboll.com>
Subject: RE: Waste Disposal Soil Samples

Dan,

I meant to attach the preliminary results to my last email, sorry. The prelims are attached here.

Patty Mata
Project Manager

Eurofins TestAmerica
17461 Derian Avenue Suite #100
Irvine, CA 92614
USA

Main line: 949-261-1022
Direct line: 949-260-3213

E-mail: Patty.Mata@testamericainc.com
www.EurofinsUS.com | www.TestAmericainc.com



From: Mata, Patty
Sent: Tuesday, March 05, 2019 11:19 AM
To: 'Dan Clark'
Subject: RE: Waste Disposal Soil Samples

Dan,

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-234894-2

Login Number: 234894

List Source: TestAmerica Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-234894-2

Login Number: 234894

List Number: 2

Creator: Maycock, Lisa

List Source: TestAmerica Phoenix

List Creation: 03/01/19 03:00 PM

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



ANALYTICAL REPORT

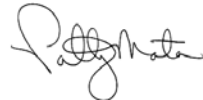
Eurofins TestAmerica, Irvine
17461 Derian Ave
Suite 100
Irvine, CA 92614-5817
Tel: (949)261-1022

Laboratory Job ID: 440-237770-1

Client Project/Site: NERT Dioxin impacted soil

For:
Ramboll US Corporation
2200 Powell Street
Suite 700
Emeryville, California 94608

Attn: Mr. Dan Clark



Authorized for release by:
4/16/2019 11:26:49 AM

Patty Mata, Senior Project Manager
(949)260-3213
patty.mata@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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Sample Summary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-237770-8	ECA-COMPOSITE	Solid	04/01/19 10:10	04/02/19 10:15
440-237770-9	ECA-CONFIRMATION	Solid	04/01/19 10:15	04/02/19 10:15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Case Narrative

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Job ID: 440-237770-1

Laboratory: Eurofins TestAmerica, Irvine

Narrative

Job Narrative 440-237770-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2019 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1° C and 2.2° C.

GC/MS VOA

Method(s) 8260B: The continuing calibration verification (CCV) associated with batch 440-539287 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: ECA-COMPOSITE (440-237770-8), ECA-CONFIRMATION (440-237770-9).

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

GC/MS Semi VOA

Method(s) 8270C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for selected compounds in preparation batch 440-538554 and analytical batch 440-538614 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recoveries were within acceptance limits.

Method(s) 8270C SIM: The surrogate Terphenyl-d14 recovery for the method blank associated with preparation batch 440-538662 and analytical batch 440-538777 was outside the upper control limits. Surrogate recoveries for associated samples were within limits.

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

HPLC/IC

Method(s) 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for selected compounds in analytical batches 440-538097, 440-538608 and 440-538609 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recoveries were within acceptance limits.

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

GC Semi VOA

Method(s) 8081A: Surrogate DCB Decachlorobiphenyl recovery for the following samples was outside control limits: ECA-COMPOSITE (440-237770-8), (440-237770-A-8-A MS) and (440-237770-A-8-B MSD), ECA-CONFIRMATION (440-237770-9), (440-237770-C-9-O MS) and (440-237770-C-9-P MSD). Evidence of matrix interference is present; therefore, re-extraction and re-analysis was not performed.

Method(s) 8082: Surrogate recovery for the following samples were outside control limits: ECA-COMPOSITE (440-237770-8), (440-237770-A-8-E MS) and (440-237770-A-8-F MSD), ECA-CONFIRMATION (440-237770-9), (440-237770-C-9-H MS) and (440-237770-C-9-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8082: The matrix spike (MS) and matrix spike duplicate (MSD) recoveries for Aroclor 1016 in preparation batch 440-538442 and analytical batch 440-538649 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Dioxin

Method(s) 8290: The following sample exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): ECA-COMPOSITE (440-237770-8). The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

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

Case Narrative

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Job ID: 440-237770-1 (Continued)

Laboratory: Eurofins TestAmerica, Irvine (Continued)

Metals

Method(s) 6010B: The method blank for preparation batch 440-539680 and analytical batch 440-539845 contained Iron and Magnesium above the reporting limit (RL). Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

General Chemistry

Method(s) 9034: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 440-538963 and analytical batch 440-539043 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Organic Prep

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.

Dioxin Prep

Method(s) 8290: Due to the matrix, the initial volumes used for the following samples deviated from the standard procedure: ECA-COMPOSITE (440-237770-8) and ECA-CONFIRMATION (440-237770-9). The reporting limits (RLs) have been adjusted proportionately. Samples are associated with preparation batch 320-286467.

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

Subcontract Work

Method Asbestos PLM, soil: This method was subcontracted to EMLab P&K. The subcontract laboratory certification is different from that of the facility issuing the final report.



Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.028		0.021	0.0084	mg/Kg	☼		04/09/19 23:07	1
Benzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Bromobenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Bromochloromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Bromodichloromethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Bromoform	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Bromomethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Carbon tetrachloride	ND		0.0021	0.00052	mg/Kg	☼		04/09/19 23:07	1
Chlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Chloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Chloroform	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Chloromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
2-Chlorotoluene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
4-Chlorotoluene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
cis-1,2-Dichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
cis-1,3-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Dibromochloromethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,2-Dibromo-3-Chloropropane	ND		0.0052	0.0021	mg/Kg	☼		04/09/19 23:07	1
1,2-Dibromoethane (EDB)	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Dibromomethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,2-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,3-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,4-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Dichlorodifluoromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,1-Dichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,2-Dichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,1-Dichloroethene	ND		0.0021	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,2-Dichloropropane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,3-Dichloropropane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
2,2-Dichloropropane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,1-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Ethylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Ethyl-t-butyl ether (ETBE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Hexachlorobutadiene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
2-Hexanone	ND		0.010	0.0052	mg/Kg	☼		04/09/19 23:07	1
Isopropylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Isopropyl Ether (DIPE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Methylene Chloride	ND		0.010	0.0052	mg/Kg	☼		04/09/19 23:07	1
4-Methyl-2-pentanone (MIBK)	ND		0.0052	0.0026	mg/Kg	☼		04/09/19 23:07	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
m,p-Xylene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Naphthalene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
n-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
N-Propylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
o-Xylene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
p-Isopropyltoluene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
sec-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Styrene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Tert-amyl-methyl ether (TAME)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol (TBA)	0.011	J	0.052	0.010	mg/Kg	☼		04/09/19 23:07	1
tert-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,1,1,2-Tetrachloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,1,2,2-Tetrachloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Tetrachloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Toluene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
trans-1,2-Dichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
trans-1,3-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,2,3-Trichlorobenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,2,4-Trichlorobenzene	ND		0.0052	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,1,1-Trichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
1,1,2-Trichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Trichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:07	1
Trichlorofluoromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,2,3-Trichloropropane	ND		0.010	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,2,4-Trimethylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
1,3,5-Trimethylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Vinyl chloride	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		79 - 120					04/09/19 23:07	1
Dibromofluoromethane (Surr)	107		60 - 120					04/09/19 23:07	1
Toluene-d8 (Surr)	110		79 - 123					04/09/19 23:07	1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.010	0.0052	mg/Kg	☼		04/10/19 10:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		79 - 120					04/10/19 10:38	1
Dibromofluoromethane (Surr)	98		60 - 120					04/10/19 10:38	1
Toluene-d8 (Surr)	105		79 - 123					04/10/19 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Acenaphthylene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Anthracene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Benzo[a]anthracene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Benzo[a]pyrene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Benzo[b]fluoranthene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Benzo[g,h,i]perylene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Benzo[k]fluoranthene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Chrysene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Dibenz(a,h)anthracene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Fluoranthene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Fluorene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Indeno[1,2,3-cd]pyrene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Naphthalene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1
Phenanthrene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	ND		32	4.3	ug/Kg	☼	04/05/19 13:02	04/05/19 17:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		29 - 120	04/05/19 13:02	04/05/19 17:44	1
Nitrobenzene-d5	87		11 - 118	04/05/19 13:02	04/05/19 17:44	1
Terphenyl-d14	107		10 - 120	04/05/19 13:02	04/05/19 17:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.26	0.14	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Acenaphthylene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Aniline	ND		0.53	0.15	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Anthracene	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzidine	ND		1.4	0.18	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzo[a]anthracene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzo[a]pyrene	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzo[b]fluoranthene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzo[g,h,i]perylene	ND		0.26	0.087	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzoic acid	ND		0.79	0.38	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzo[k]fluoranthene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Benzyl alcohol	ND		1.4	0.43	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Bis(2-chloroethoxy)methane	ND		0.26	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Bis(2-chloroethyl)ether	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Bis(2-ethylhexyl) phthalate	ND		0.26	0.072	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Bromophenyl phenyl ether	ND		0.26	0.059	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Butyl benzyl phthalate	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Chloroaniline	ND		0.53	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Chloro-3-methylphenol	ND		0.42	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Chloronaphthalene	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Chlorophenol	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Chlorophenyl phenyl ether	ND		0.53	0.21	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Chrysene	ND		0.26	0.059	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Dibenz(a,h)anthracene	ND		0.26	0.079	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Dibenzofuran	ND		0.26	0.15	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
3,3'-Dichlorobenzidine	ND		0.53	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4-Dichlorophenol	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Diethyl phthalate	ND		0.26	0.075	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4-Dimethylphenol	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Dimethyl phthalate	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Di-n-butyl phthalate	ND		0.26	0.072	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4-Dinitrophenol	ND		1.1	0.79	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4-Dinitrotoluene	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,6-Dinitrotoluene	ND		0.26	0.075	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Di-n-octyl phthalate	ND		0.26	0.072	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Fluoranthene	ND		0.35	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Fluorene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Hexachlorobenzene	0.82		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Hexachlorocyclopentadiene	ND		0.79	0.33	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Hexachloroethane	ND		0.26	0.074	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Indeno[1,2,3-cd]pyrene	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
1-Methylnaphthalene	ND		0.26	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Methylnaphthalene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Methylphenol	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
3-Methylphenol + 4-Methylphenol	ND		0.26	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Naphthalene	ND		0.26	0.053	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Nitroaniline	ND		0.26	0.18	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
3-Nitroaniline	ND		0.26	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Nitroaniline	ND		0.53	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Nitrobenzene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2-Nitrophenol	ND		0.26	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
4-Nitrophenol	ND		1.1	0.53	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
N-Nitrosodi-n-propylamine	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
N-Nitrosodiphenylamine	ND		0.53	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Pentachlorophenol	ND		0.53	0.27	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Phenanthrene	ND		0.35	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Phenol	ND		0.26	0.072	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Pyrene	ND		0.26	0.11	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
Pyridine	ND		0.36	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4,5-Trichlorophenol	ND		0.53	0.21	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1
2,4,6-Trichlorophenol	ND		0.53	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 17:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	87		42 - 113	04/05/19 05:59	04/05/19 17:19	1
2-Fluorophenol (Surr)	77		18 - 138	04/05/19 05:59	04/05/19 17:19	1
Nitrobenzene-d5 (Surr)	79		39 - 104	04/05/19 05:59	04/05/19 17:19	1
Phenol-d6 (Surr)	71		37 - 125	04/05/19 05:59	04/05/19 17:19	1
Terphenyl-d14 (Surr)	90		43 - 125	04/05/19 05:59	04/05/19 17:19	1
2,4,6-Tribromophenol (Surr)	82		10 - 147	04/05/19 05:59	04/05/19 17:19	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Octachlorostyrene	0.15	J	0.69	0.13	mg/Kg	☼	04/05/19 05:59	04/06/19 17:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		42 - 113	04/05/19 05:59	04/06/19 17:09	1
2-Fluorophenol (Surr)	80		18 - 138	04/05/19 05:59	04/06/19 17:09	1
Nitrobenzene-d5 (Surr)	75		39 - 104	04/05/19 05:59	04/06/19 17:09	1
Phenol-d6 (Surr)	83		37 - 125	04/05/19 05:59	04/06/19 17:09	1
Terphenyl-d14 (Surr)	92		43 - 125	04/05/19 05:59	04/06/19 17:09	1
2,4,6-Tribromophenol (Surr)	82		10 - 147	04/05/19 05:59	04/06/19 17:09	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
alpha-BHC	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
cis-Chlordane	ND		0.0053	0.0021	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
beta-BHC	0.031		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
4,4'-DDD	0.0024	J p	0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 19:20	1
2,4'-DDE	0.038		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1

Eurolins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.055		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
4,4'-DDT	0.015		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
delta-BHC	ND		0.011	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Dieldrin	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endosulfan I	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endosulfan II	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endosulfan sulfate	ND		0.011	0.0021	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endrin	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endrin aldehyde	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Endrin ketone	ND		0.0053	0.0021	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
gamma-BHC (Lindane)	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
trans-Chlordane	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Heptachlor	ND		0.0053	0.0021	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Heptachlor epoxide	ND		0.0053	0.0021	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Methoxychlor	ND		0.0053	0.0016	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Toxaphene	ND		0.21	0.053	mg/Kg	☼	04/04/19 13:36	04/05/19 16:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	433	X	21 - 117				04/04/19 13:36	04/05/19 16:17	1
Tetrachloro-m-xylene	77		28 - 115				04/04/19 13:36	04/05/19 16:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND	F1	53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1221	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1232	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1242	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1248	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1254	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Aroclor 1260	ND		53	18	ug/Kg	☼	04/04/19 13:42	04/05/19 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	402	X	45 - 120				04/04/19 13:42	04/05/19 15:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	9.3		1.2	0.86	mg/Kg	☼		04/04/19 01:19	1
Fluoride	ND		5.4	3.7	mg/Kg	☼		04/04/19 01:19	1
Nitrite as N	ND	F1	1.6	1.2	mg/Kg	☼		04/04/19 01:19	1
Orthophosphate as P	ND		1.7	1.4	mg/Kg	☼		04/04/19 01:19	1
Sulfate	310		5.4	4.3	mg/Kg	☼		04/04/19 01:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		27	21	mg/Kg	☼		04/04/19 02:13	5

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	43		4.3	1.0	mg/Kg	☼		04/10/19 07:36	100

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.32	0.16	mg/Kg	☼	04/04/19 14:10	04/10/19 07:05	3

Method: 8290 - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	5.9	J	9.9	3.1	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,7,8-PeCDD	47	J	49	5.3	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,7,8-PeCDF	790	B	49	36	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
2,3,4,7,8-PeCDF	380		49	35	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,4,7,8-HxCDD	40	J B	49	1.5	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,6,7,8-HxCDD	76		49	1.3	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,7,8,9-HxCDD	66		49	1.3	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,4,7,8-HxCDF	1500	G	63	63	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,6,7,8-HxCDF	1200	B G	61	61	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
2,3,4,6,7,8-HxCDF	220	G	62	62	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,7,8,9-HxCDF	160	B G	66	66	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,4,6,7,8-HpCDD	290	B	49	2.8	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,4,6,7,8-HpCDF	4300	B	49	28	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
1,2,3,4,7,8,9-HpCDF	1500	B	49	33	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
OCDD	290	B	99	1.0	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
OCDF	9300	B	99	6.4	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total TCDD	530	q	9.9	3.1	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total TCDF	6700	G	27	27	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total PeCDD	590	q	49	5.3	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total PeCDF	7900	B	49	35	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total HxCDD	570	B	49	1.4	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total HxCDF	8600	B G	63	63	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total HpCDD	450	B	49	2.8	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1
Total HpCDF	8600	B	49	31	pg/g	☼	04/05/19 16:34	04/09/19 19:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	64		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-2,3,7,8-TCDF	63		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,7,8-PeCDD	65		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,7,8-PeCDF	64		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,6,7,8-HxCDD	68		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,4,7,8-HxCDF	69		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,4,6,7,8-HpCDD	65		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-1,2,3,4,6,7,8-HpCDF	65		40 - 135	04/05/19 16:34	04/09/19 19:13	1
13C-OCDD	70		40 - 135	04/05/19 16:34	04/09/19 19:13	1

Method: 8290 - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	300		9.9	1.8	pg/g	☼	04/05/19 16:34	04/12/19 16:47	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	66		40 - 135	04/05/19 16:34	04/12/19 16:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		3.2	1.6	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Barium	140		1.6	0.80	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Boron	4.3	J	5.3	2.7	mg/Kg	☼	04/14/19 08:02	04/14/19 16:06	5

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.53	0.27	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Chromium	12		1.1	0.53	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Iron	15000	B	11	7.4	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Lead	9.0		2.1	1.1	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Magnesium	11000	B	11	5.3	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Manganese	340		2.1	1.1	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Selenium	ND		3.2	1.8	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5
Silver	ND		1.6	0.95	mg/Kg	☼	04/11/19 08:42	04/11/19 16:44	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.029		0.021	0.013	mg/Kg	☼	04/09/19 19:35	04/10/19 04:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	not ignitable		1.0	1.0	NONE			04/05/19 12:12	1
Cyanide, Total	ND		0.55	0.47	mg/Kg	☼	04/10/19 17:34	04/10/19 22:46	1
Sulfide	ND	F1	43	21	mg/Kg	☼	04/08/19 11:55	04/08/19 17:01	1
Percent Moisture	6.4		0.1	0.1	%			04/03/19 20:46	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.6	HF	0.1	0.1	SU			04/08/19 19:25	1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.021	0.0084	mg/Kg	☼		04/09/19 23:35	1
Benzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Bromobenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Bromochloromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Bromodichloromethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Bromoform	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Bromomethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Carbon tetrachloride	ND		0.0021	0.00052	mg/Kg	☼		04/09/19 23:35	1
Chlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Chloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Chloroform	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Chloromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
2-Chlorotoluene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
4-Chlorotoluene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
cis-1,2-Dichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
cis-1,3-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Dibromochloromethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,2-Dibromo-3-Chloropropane	ND		0.0052	0.0021	mg/Kg	☼		04/09/19 23:35	1
1,2-Dibromoethane (EDB)	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Dibromomethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,3-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,4-Dichlorobenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Dichlorodifluoromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,1-Dichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,2-Dichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,1-Dichloroethene	ND		0.0021	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,2-Dichloropropane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,3-Dichloropropane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
2,2-Dichloropropane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,1-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Ethylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Ethyl-t-butyl ether (ETBE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Hexachlorobutadiene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
2-Hexanone	ND		0.010	0.0052	mg/Kg	☼		04/09/19 23:35	1
Isopropylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Isopropyl Ether (DIPE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Methylene Chloride	ND		0.010	0.0052	mg/Kg	☼		04/09/19 23:35	1
4-Methyl-2-pentanone (MIBK)	ND		0.0052	0.0026	mg/Kg	☼		04/09/19 23:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
m,p-Xylene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Naphthalene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
n-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
N-Propylbenzene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
o-Xylene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
p-Isopropyltoluene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
sec-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Styrene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Tert-amyl-methyl ether (TAME)	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
tert-Butyl alcohol (TBA)	ND		0.052	0.010	mg/Kg	☼		04/09/19 23:35	1
tert-Butylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,1,1,2-Tetrachloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,1,2,2-Tetrachloroethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Tetrachloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Toluene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
trans-1,2-Dichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
trans-1,3-Dichloropropene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,2,3-Trichlorobenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,2,4-Trichlorobenzene	ND		0.0052	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,1,1-Trichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
1,1,2-Trichloroethane	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Trichloroethene	ND		0.0010	0.00052	mg/Kg	☼		04/09/19 23:35	1
Trichlorofluoromethane	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,2,3-Trichloropropane	ND		0.010	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,2,4-Trimethylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
1,3,5-Trimethylbenzene	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1
Vinyl chloride	ND		0.0021	0.0010	mg/Kg	☼		04/09/19 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		79 - 120		04/09/19 23:35	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		60 - 120		04/09/19 23:35	1
Toluene-d8 (Surr)	110		79 - 123		04/09/19 23:35	1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.010	0.0052	mg/Kg	☼		04/10/19 09:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		79 - 120		04/10/19 09:15	1
Dibromofluoromethane (Surr)	98		60 - 120		04/10/19 09:15	1
Toluene-d8 (Surr)	106		79 - 123		04/10/19 09:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Acenaphthylene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Anthracene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Benzo[a]anthracene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Benzo[a]pyrene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Benzo[b]fluoranthene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Benzo[g,h,i]perylene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Benzo[k]fluoranthene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Chrysene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Dibenz(a,h)anthracene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Fluoranthene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Fluorene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Indeno[1,2,3-cd]pyrene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Naphthalene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Phenanthrene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1
Pyrene	ND		32	4.2	ug/Kg	☼	04/05/19 13:02	04/05/19 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	96		29 - 120	04/05/19 13:02	04/05/19 18:07	1
Nitrobenzene-d5	86		11 - 118	04/05/19 13:02	04/05/19 18:07	1
Terphenyl-d14	103		10 - 120	04/05/19 13:02	04/05/19 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.26	0.14	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Acenaphthylene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Aniline	ND		0.52	0.15	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Anthracene	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzdine	ND	F1	1.4	0.18	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzo[a]anthracene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzo[a]pyrene	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzo[b]fluoranthene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzo[g,h,i]perylene	ND		0.26	0.086	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzoic acid	ND		0.79	0.38	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzo[k]fluoranthene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Benzyl alcohol	ND		1.4	0.43	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Bis(2-chloroethyl)ether	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Bis(2-ethylhexyl) phthalate	ND		0.26	0.071	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Bromophenyl phenyl ether	ND		0.26	0.059	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Butyl benzyl phthalate	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Chloroaniline	ND		0.52	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Chloro-3-methylphenol	ND		0.42	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Chloronaphthalene	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Chlorophenol	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Chlorophenyl phenyl ether	ND		0.52	0.21	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Chrysene	ND		0.26	0.059	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Dibenz(a,h)anthracene	ND		0.26	0.079	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Dibenzofuran	ND		0.26	0.15	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
3,3'-Dichlorobenzidine	ND		0.52	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,4-Dichlorophenol	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Diethyl phthalate	ND		0.26	0.075	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,4-Dimethylphenol	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Dimethyl phthalate	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Di-n-butyl phthalate	ND		0.26	0.071	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,4-Dinitrophenol	ND		1.0	0.79	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,4-Dinitrotoluene	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,6-Dinitrotoluene	ND		0.26	0.075	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Di-n-octyl phthalate	ND		0.26	0.071	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Fluoranthene	ND		0.35	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Fluorene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Hexachlorobenzene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Hexachlorocyclopentadiene	ND		0.79	0.33	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Hexachloroethane	ND		0.26	0.073	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Indeno[1,2,3-cd]pyrene	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Isophorone	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
1-Methylnaphthalene	ND		0.26	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Methylnaphthalene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Methylphenol	ND		0.26	0.063	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
3-Methylphenol + 4-Methylphenol	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Naphthalene	ND		0.26	0.052	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Nitroaniline	ND		0.26	0.18	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
3-Nitroaniline	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Nitroaniline	ND		0.52	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Nitrobenzene	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2-Nitrophenol	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
4-Nitrophenol	ND		1.0	0.52	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
N-Nitrosodi-n-propylamine	ND		0.26	0.055	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
N-Nitrosodiphenylamine	ND		0.52	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Pentachlorophenol	ND		0.52	0.27	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Phenanthrene	ND		0.35	0.16	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Phenol	ND		0.26	0.071	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Pyrene	ND		0.26	0.10	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Pyridine	ND		0.36	0.12	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
2,4,5-Trichlorophenol	ND		0.52	0.21	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	ND		0.52	0.17	mg/Kg	☼	04/05/19 05:59	04/05/19 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	85		42 - 113				04/05/19 05:59	04/05/19 14:53	1
2-Fluorophenol (Surr)	77		18 - 138				04/05/19 05:59	04/05/19 14:53	1
Nitrobenzene-d5 (Surr)	80		39 - 104				04/05/19 05:59	04/05/19 14:53	1
Phenol-d6 (Surr)	80		37 - 125				04/05/19 05:59	04/05/19 14:53	1
Terphenyl-d14 (Surr)	95		43 - 125				04/05/19 05:59	04/05/19 14:53	1
2,4,6-Tribromophenol (Surr)	85		10 - 147				04/05/19 05:59	04/05/19 14:53	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Octachlorostyrene	ND		0.68	0.13	mg/Kg	☼	04/05/19 05:59	04/06/19 17:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	84		42 - 113				04/05/19 05:59	04/06/19 17:33	1
2-Fluorophenol (Surr)	80		18 - 138				04/05/19 05:59	04/06/19 17:33	1
Nitrobenzene-d5 (Surr)	77		39 - 104				04/05/19 05:59	04/06/19 17:33	1
Phenol-d6 (Surr)	81		37 - 125				04/05/19 05:59	04/06/19 17:33	1
Terphenyl-d14 (Surr)	94		43 - 125				04/05/19 05:59	04/06/19 17:33	1
2,4,6-Tribromophenol (Surr)	81		10 - 147				04/05/19 05:59	04/06/19 17:33	1

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
alpha-BHC	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
cis-Chlordane	ND		0.0053	0.0021	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
beta-BHC	0.0064		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
4,4'-DDD	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
2,4'-DDE	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
4,4'-DDE	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
4,4'-DDT	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
delta-BHC	ND		0.011	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Dieldrin	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endosulfan I	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endosulfan II	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endosulfan sulfate	ND		0.011	0.0021	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endrin	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endrin aldehyde	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Endrin ketone	ND		0.0053	0.0021	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
gamma-BHC (Lindane)	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
trans-Chlordane	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Heptachlor	ND		0.0053	0.0021	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Heptachlor epoxide	ND		0.0053	0.0021	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Methoxychlor	ND		0.0053	0.0016	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Toxaphene	ND		0.21	0.053	mg/Kg	☼	04/09/19 13:31	04/10/19 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	129	X	21 - 117				04/09/19 13:31	04/10/19 17:56	1
Tetrachloro-m-xylene	74		28 - 115				04/09/19 13:31	04/10/19 17:56	1

Client Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1221	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1232	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1242	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1248	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1254	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1
Aroclor 1260	ND		53	18	ug/Kg	☼	04/09/19 05:55	04/09/19 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	131	X	45 - 120	04/09/19 05:55	04/09/19 18:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.1		1.2	0.84	mg/Kg	☼		04/06/19 02:07	1
Fluoride	ND		5.3	3.7	mg/Kg	☼		04/06/19 02:07	1
Nitrite as N	ND	F1	1.6	1.2	mg/Kg	☼		04/06/19 02:07	1
Orthophosphate as P	1.4	J	1.7	1.4	mg/Kg	☼		04/06/19 02:07	1
Sulfate	160	F1	5.3	4.2	mg/Kg	☼		04/06/19 02:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		26	21	mg/Kg	☼		04/06/19 03:02	5

Method: 314.0 - Perchlorate (IC) - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	32		4.2	1.0	mg/Kg	☼		04/10/19 07:55	100

Method: 7199 - Chromium, Hexavalent (IC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	0.49		0.32	0.16	mg/Kg	☼	04/11/19 22:32	04/12/19 01:24	3

Method: 8290 - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		9.4	0.44	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,7,8-PeCDD	1.3	J	47	0.49	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,7,8-PeCDF	15	J B	47	0.88	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
2,3,4,7,8-PeCDF	6.9	J	47	0.88	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,4,7,8-HxCDD	2.4	J B	47	0.33	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,6,7,8-HxCDD	2.8	J	47	0.30	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,7,8,9-HxCDD	2.8	J	47	0.28	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,4,7,8-HxCDF	37	J	47	2.0	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,6,7,8-HxCDF	22	J B	47	1.9	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
2,3,4,6,7,8-HxCDF	4.8	J	47	1.9	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,7,8,9-HxCDF	8.3	J B	47	2.1	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,4,6,7,8-HpCDD	13	J B	47	0.46	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,4,6,7,8-HpCDF	100	B	47	1.2	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
1,2,3,4,7,8,9-HpCDF	38	J B	47	1.4	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
OCDD	47	J B	94	0.45	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
OCDF	230	B	94	0.84	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total TCDD	5.4	J q	9.4	0.44	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total TCDF	74	q	9.4	0.54	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1

Eurofins TestAmerica, Irvine

Client Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Method: 8290 - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total PeCDD	10	J q	47	0.49	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total PeCDF	100	B	47	0.88	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total HxCDD	21	J B	47	0.30	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total HxCDF	150	B q	47	2.0	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total HpCDD	21	J B	47	0.46	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Total HpCDF	200	B	47	1.3	pg/g	☼	04/05/19 16:34	04/09/19 19:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	65		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-2,3,7,8-TCDF	68		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,7,8-PeCDD	71		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,7,8-PeCDF	69		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,6,7,8-HxCDD	69		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,4,7,8-HxCDF	71		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,4,6,7,8-HpCDD	63		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-1,2,3,4,6,7,8-HpCDF	59		40 - 135				04/05/19 16:34	04/09/19 19:59	1
13C-OCDD	64		40 - 135				04/05/19 16:34	04/09/19 19:59	1

Method: 8290 - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	7.1	J	9.4	0.56	pg/g	☼	04/05/19 16:34	04/12/19 13:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	65		40 - 135				04/05/19 16:34	04/12/19 13:00	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.5		3.2	1.6	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Barium	180		1.6	0.79	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Boron	3.5	J	5.3	2.6	mg/Kg	☼	04/14/19 08:02	04/14/19 16:18	5
Cadmium	ND		0.53	0.26	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Chromium	19		1.1	0.53	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Iron	33000	B	11	7.3	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Lead	11		2.1	1.1	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Magnesium	9700	B	11	5.3	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Manganese	610		2.1	1.1	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Selenium	ND		3.2	1.8	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5
Silver	ND		1.6	0.94	mg/Kg	☼	04/11/19 08:42	04/11/19 16:42	5

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.021	0.012	mg/Kg	☼	04/09/19 19:35	04/10/19 03:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.53	0.46	mg/Kg	☼	04/10/19 17:34	04/10/19 22:47	1
Sulfide	ND		42	21	mg/Kg	☼	04/08/19 11:55	04/08/19 17:01	1
Percent Moisture	5.3		0.1	0.1	%			04/08/19 13:39	1

General Chemistry - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.7	HF	0.1	0.1	SU			04/08/19 19:25	1

Method Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method	Method Description	Protocol	Laboratory
8260B/5030B	Volatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL IRV
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL IRV
8081A	Organochlorine Pesticides (GC)	SW846	TAL IRV
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL IRV
300.0	Anions, Ion Chromatography	MCAWW	TAL IRV
314.0	Perchlorate (IC)	EPA	TAL IRV
7199	Chromium, Hexavalent (IC)	SW846	TAL IRV
8290	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
TEQ	Total TEQ Calculation	TAL SOP	TAL SAC
6010B	Metals (ICP)	SW846	TAL IRV
7471A	Mercury (CVAA)	SW846	TAL IRV
7.1.2	Ignitability, Solids	SW846	TAL IRV
9014	Cyanide	SW846	TAL IRV
9034	Sulfide, Acid soluble and Insoluble (Titrimetric)	SW846	TAL IRV
9045C	pH	SW846	TAL IRV
Moisture	Percent Moisture	EPA	TAL IRV
Subcontract	Asbestos PLM, soil	None	
3050B	Preparation, Metals	SW846	TAL IRV
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	TAL IRV
3546	Microwave Extraction	SW846	TAL IRV
5030B	Purge and Trap	SW846	TAL IRV
7471A	Preparation, Mercury	SW846	TAL IRV
8290	Soxhlet Extraction of Dioxins and Furans	SW846	TAL SAC
9010B	Cyanide, Distillation	SW846	TAL IRV
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL IRV
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL IRV

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- None = None
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- = EMLab P&K - Denver, 4955 Yarrow Street, Arvada, CO 80002
- TAL IRV = Eurofins TestAmerica, Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022
- TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7.1.2		1			538650	04/05/19 12:12	IK	TAL IRV
Soluble	Leach	DI Leach			20.00 g	20 mL	538824	04/07/19 15:41	CMM	TAL IRV
Soluble	Leach	DI Leach			20.00 g	20 mL	538824	04/07/19 15:41	CMM	TAL IRV
Soluble	Analysis	9045C		1			539064	04/08/19 19:25	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			538261	04/03/19 20:46	QTN	TAL IRV

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/5030B	RA	1	5.1 g	10 mL	539377	04/10/19 10:38	AYL	TAL IRV
Total/NA	Analysis	8260B/5030B		1	5.11 g	10 mL	539287	04/09/19 23:07	RM	TAL IRV
Total/NA	Prep	3546			20.24 g	1 mL	538554	04/05/19 05:59	L1A	TAL IRV
Total/NA	Analysis	8270C		1			538614	04/05/19 17:19	L1B	TAL IRV
Total/NA	Prep	3546	RA		20.24 g	1 mL	538554	04/05/19 05:59	L1A	TAL IRV
Total/NA	Analysis	8270C	RA	1	1 mL	1.0 mL	538790	04/06/19 17:09	HN	TAL IRV
Total/NA	Prep	3546			15.08 g	1 mL	538662	04/05/19 13:02	EGC	TAL IRV
Total/NA	Analysis	8270C SIM		1			538682	04/05/19 17:44	L1B	TAL IRV
Total/NA	Prep	3546			15.05 g	2 mL	538437	04/04/19 13:36	EGC	TAL IRV
Total/NA	Analysis	8081A		1			538642	04/05/19 19:20	D1D	TAL IRV
Total/NA	Prep	3546			15.05 g	2 mL	538437	04/04/19 13:36	EGC	TAL IRV
Total/NA	Analysis	8081A		1			538646	04/05/19 16:17	D1D	TAL IRV
Total/NA	Prep	3546			15.02 g	2 mL	538442	04/04/19 13:42	EGC	TAL IRV
Total/NA	Analysis	8082		1			538649	04/05/19 15:15	JM	TAL IRV
Soluble	Leach	DI Leach			3.99 g	40 mL	538273	04/03/19 21:01	NTN	TAL IRV
Soluble	Analysis	300.0		1			538097	04/04/19 01:19	NTN	TAL IRV
Soluble	Leach	DI Leach			3.99 g	40 mL	538273	04/03/19 21:01	NTN	TAL IRV
Soluble	Analysis	300.0		1			538098	04/04/19 01:19	NTN	TAL IRV
Soluble	Leach	DI Leach	DL		3.99 g	40 mL	538273	04/03/19 21:01	NTN	TAL IRV
Soluble	Analysis	300.0	DL	5	5 mL	1.0 mL	538098	04/04/19 02:13	NTN	TAL IRV
Soluble	Leach	DI Leach			4.01 g	40 mL	539178	04/09/19 09:31	CTH	TAL IRV
Soluble	Analysis	314.0		100			539129	04/10/19 07:36	CTH	TAL IRV
Total/NA	Prep	3060A			2.50 g	100 mL	538446	04/04/19 14:10	RW	TAL IRV
Total/NA	Analysis	7199		3			539360	04/10/19 07:05	MN	TAL IRV
Total/NA	Prep	8290			1.08 g	20 uL	286467	04/05/19 16:34	SR1	TAL SAC
Total/NA	Analysis	8290		1			287233	04/09/19 19:13	ALM	TAL SAC
Total/NA	Prep	8290	RA		1.08 g	20 uL	286467	04/05/19 16:34	SR1	TAL SAC
Total/NA	Analysis	8290	RA	1			288472	04/12/19 16:47	AS	TAL SAC
Total/NA	Prep	3050B			2.00 g	50 mL	539680	04/11/19 08:42	YCL	TAL IRV
Total/NA	Analysis	6010B		5			539845	04/11/19 16:44	P1R	TAL IRV

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-COMPOSITE

Lab Sample ID: 440-237770-8

Date Collected: 04/01/19 10:10

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			2.01 g	50 mL	540118	04/14/19 08:02	KE	TAL IRV
Total/NA	Analysis	6010B		5			540307	04/14/19 16:06	VS	TAL IRV
Total/NA	Prep	7471A			0.50 g	50 mL	539317	04/09/19 19:35	DB	TAL IRV
Total/NA	Analysis	7471A		1			539520	04/10/19 04:21	DB	TAL IRV
Total/NA	Prep	9010B			1.96 g	50 mL	539567	04/10/19 17:34	QTN	TAL IRV
Total/NA	Analysis	9014		1			539624	04/10/19 22:46	QTN	TAL IRV
Total/NA	Prep	9030B			5.01 g	50 mL	538963	04/08/19 11:55	KMY	TAL IRV
Total/NA	Analysis	9034		1			539043	04/08/19 17:01	KMY	TAL IRV

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			20.01 g	20 mL	538824	04/07/19 15:41	CMM	TAL IRV
Soluble	Analysis	9045C		1			539064	04/08/19 19:25	CMM	TAL IRV
Total/NA	Analysis	Moisture		1			538976	04/08/19 13:39	QTN	TAL IRV

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B/5030B	RA	1	5.04 g	10 mL	539377	04/10/19 09:15	AYL	TAL IRV
Total/NA	Analysis	8260B/5030B		1	5.04 g	10 mL	539287	04/09/19 23:35	RM	TAL IRV
Total/NA	Prep	3546			20.13 g	1 mL	538554	04/05/19 05:59	L1A	TAL IRV
Total/NA	Analysis	8270C		1			538614	04/05/19 14:53	L1B	TAL IRV
Total/NA	Prep	3546	RA		20.13 g	1 mL	538554	04/05/19 05:59	L1A	TAL IRV
Total/NA	Analysis	8270C	RA	1	1 mL	1.0 mL	538790	04/06/19 17:33	HN	TAL IRV
Total/NA	Prep	3546			15.00 g	1 mL	538662	04/05/19 13:02	EGC	TAL IRV
Total/NA	Analysis	8270C SIM		1			538682	04/05/19 18:07	L1B	TAL IRV
Total/NA	Prep	3546			15.05 g	2 mL	539236	04/09/19 13:31	EGC	TAL IRV
Total/NA	Analysis	8081A		1			539476	04/10/19 17:56	D1D	TAL IRV
Total/NA	Prep	3546			15.00 g	2 mL	539063	04/09/19 05:55	FTD	TAL IRV
Total/NA	Analysis	8082		1			539233	04/09/19 18:07	JM	TAL IRV
Soluble	Leach	DI Leach			4.01 g	40 mL	538743	04/05/19 20:39	NTN	TAL IRV
Soluble	Analysis	300.0		1			538608	04/06/19 02:07	NTN	TAL IRV
Soluble	Leach	DI Leach			4.01 g	40 mL	538743	04/05/19 20:39	NTN	TAL IRV
Soluble	Analysis	300.0		1			538609	04/06/19 02:07	NTN	TAL IRV
Soluble	Leach	DI Leach	DL		4.01 g	40 mL	538743	04/05/19 20:39	NTN	TAL IRV
Soluble	Analysis	300.0	DL	5	5 mL	1.0 mL	538609	04/06/19 03:02	NTN	TAL IRV
Soluble	Leach	DI Leach			4.02 g	40 mL	539178	04/09/19 09:31	CTH	TAL IRV
Soluble	Analysis	314.0		100			539129	04/10/19 07:55	CTH	TAL IRV
Total/NA	Prep	3060A			2.49 g	100 mL	539898	04/11/19 22:32	RW	TAL IRV
Total/NA	Analysis	7199		3			539631	04/12/19 01:24	MN	TAL IRV

Eurofins TestAmerica, Irvine

Lab Chronicle

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Client Sample ID: ECA-CONFIRMATION

Lab Sample ID: 440-237770-9

Date Collected: 04/01/19 10:15

Matrix: Solid

Date Received: 04/02/19 10:15

Percent Solids: 94.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			1.12 g	20 uL	286467	04/05/19 16:34	SR1	TAL SAC
Total/NA	Analysis	8290		1			287233	04/09/19 19:59	ALM	TAL SAC
Total/NA	Prep	8290	RA		1.12 g	20 uL	286467	04/05/19 16:34	SR1	TAL SAC
Total/NA	Analysis	8290	RA	1			288472	04/12/19 13:00	AS	TAL SAC
Total/NA	Prep	3050B			2.00 g	50 mL	539680	04/11/19 08:42	YCL	TAL IRV
Total/NA	Analysis	6010B		5			539845	04/11/19 16:42	P1R	TAL IRV
Total/NA	Prep	3050B			2.00 g	50 mL	540118	04/14/19 08:02	KE	TAL IRV
Total/NA	Analysis	6010B		5			540307	04/14/19 16:18	VS	TAL IRV
Total/NA	Prep	7471A			0.51 g	50 mL	539317	04/09/19 19:35	DB	TAL IRV
Total/NA	Analysis	7471A		1			539520	04/10/19 03:48	DB	TAL IRV
Total/NA	Prep	9010B			1.98 g	50 mL	539567	04/10/19 17:34	QTN	TAL IRV
Total/NA	Analysis	9014		1			539624	04/10/19 22:47	QTN	TAL IRV
Total/NA	Prep	9030B			5.02 g	50 mL	538963	04/08/19 11:55	KMY	TAL IRV
Total/NA	Analysis	9034		1			539043	04/08/19 17:01	KMY	TAL IRV

Laboratory References:

= EMLab P&K - Denver, 4955 Yarrow Street, Arvada, CO 80002

TAL IRV = Eurofins TestAmerica, Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 440-539287/5

Matrix: Solid

Analysis Batch: 539287

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	ND		0.020	0.0080	mg/Kg			04/09/19 20:16	1
Benzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Bromobenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Bromochloromethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Bromodichloromethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Bromoform	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Bromomethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Carbon tetrachloride	ND		0.0020	0.00050	mg/Kg			04/09/19 20:16	1
Chlorobenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Chloroethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Chloroform	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Chloromethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
2-Chlorotoluene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
4-Chlorotoluene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
cis-1,2-Dichloroethene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
cis-1,3-Dichloropropene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Dibromochloromethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.0020	mg/Kg			04/09/19 20:16	1
1,2-Dibromoethane (EDB)	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Dibromomethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,2-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,3-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,4-Dichlorobenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Dichlorodifluoromethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,1-Dichloroethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,2-Dichloroethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,1-Dichloroethene	ND		0.0020	0.00050	mg/Kg			04/09/19 20:16	1
1,2-Dichloropropane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,3-Dichloropropane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
2,2-Dichloropropane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,1-Dichloropropene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Ethylbenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Ethyl-t-butyl ether (ETBE)	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Hexachlorobutadiene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
2-Hexanone	ND		0.010	0.0050	mg/Kg			04/09/19 20:16	1
Isopropylbenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Isopropyl Ether (DIPE)	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Methylene Chloride	ND		0.010	0.0050	mg/Kg			04/09/19 20:16	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050	0.0025	mg/Kg			04/09/19 20:16	1
Methyl-t-Butyl Ether (MTBE)	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
m,p-Xylene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Naphthalene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
n-Butylbenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
N-Propylbenzene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
o-Xylene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
p-Isopropyltoluene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
sec-Butylbenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Styrene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 440-539287/5

Matrix: Solid

Analysis Batch: 539287

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Tert-amyl-methyl ether (TAME)	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
tert-Butyl alcohol (TBA)	ND		0.050	0.010	mg/Kg			04/09/19 20:16	1
tert-Butylbenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,1,1,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,1,2,2-Tetrachloroethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Tetrachloroethene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Toluene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
trans-1,2-Dichloroethene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
trans-1,3-Dichloropropene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,2,3-Trichlorobenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,2,4-Trichlorobenzene	ND		0.0050	0.0010	mg/Kg			04/09/19 20:16	1
1,1,1-Trichloroethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
1,1,2-Trichloroethane	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Trichloroethene	ND		0.0010	0.00050	mg/Kg			04/09/19 20:16	1
Trichlorofluoromethane	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,2,3-Trichloropropane	ND		0.010	0.0010	mg/Kg			04/09/19 20:16	1
1,2,4-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
1,3,5-Trimethylbenzene	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1
Vinyl chloride	ND		0.0020	0.0010	mg/Kg			04/09/19 20:16	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	108		79 - 120		04/09/19 20:16	1
Dibromofluoromethane (Surr)	110		60 - 120		04/09/19 20:16	1
Toluene-d8 (Surr)	112		79 - 123		04/09/19 20:16	1

Lab Sample ID: LCS 440-539287/6

Matrix: Solid

Analysis Batch: 539287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0475		mg/Kg		95	65 - 120
Bromobenzene	0.0500	0.0549		mg/Kg		110	75 - 120
Bromochloromethane	0.0500	0.0532		mg/Kg		106	70 - 135
Bromodichloromethane	0.0500	0.0550		mg/Kg		110	70 - 135
Bromoform	0.0500	0.0622		mg/Kg		124	55 - 135
Bromomethane	0.0500	0.0486		mg/Kg		97	60 - 145
Carbon tetrachloride	0.0500	0.0549		mg/Kg		110	65 - 140
Chlorobenzene	0.0500	0.0500		mg/Kg		100	75 - 120
Chloroethane	0.0500	0.0490		mg/Kg		98	60 - 140
Chloroform	0.0500	0.0502		mg/Kg		100	70 - 130
Chloromethane	0.0500	0.0423		mg/Kg		85	45 - 145
2-Chlorotoluene	0.0500	0.0485		mg/Kg		97	70 - 125
4-Chlorotoluene	0.0500	0.0517		mg/Kg		103	75 - 125
cis-1,2-Dichloroethene	0.0500	0.0486		mg/Kg		97	70 - 125
cis-1,3-Dichloropropene	0.0500	0.0576		mg/Kg		115	75 - 125
Dibromochloromethane	0.0500	0.0618		mg/Kg		124	65 - 140
1,2-Dibromo-3-Chloropropane	0.0500	0.0639		mg/Kg		128	50 - 135

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 440-539287/6

Matrix: Solid

Analysis Batch: 539287

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	0.0500	0.0597		mg/Kg		119	70 - 130
Dibromomethane	0.0500	0.0516		mg/Kg		103	70 - 130
1,2-Dichlorobenzene	0.0500	0.0526		mg/Kg		105	75 - 120
1,3-Dichlorobenzene	0.0500	0.0506		mg/Kg		101	75 - 125
1,4-Dichlorobenzene	0.0500	0.0512		mg/Kg		102	75 - 120
Dichlorodifluoromethane	0.0500	0.0379		mg/Kg		76	35 - 160
1,1-Dichloroethane	0.0500	0.0494		mg/Kg		99	70 - 130
1,2-Dichloroethane	0.0500	0.0545		mg/Kg		109	60 - 140
1,1-Dichloroethene	0.0500	0.0495		mg/Kg		99	70 - 125
1,2-Dichloropropane	0.0500	0.0532		mg/Kg		106	70 - 130
1,3-Dichloropropane	0.0500	0.0556		mg/Kg		111	70 - 125
2,2-Dichloropropane	0.0500	0.0491		mg/Kg		98	60 - 145
1,1-Dichloropropene	0.0500	0.0508		mg/Kg		102	70 - 130
Ethylbenzene	0.0500	0.0491		mg/Kg		98	70 - 125
Ethyl-t-butyl ether (ETBE)	0.0500	0.0550		mg/Kg		110	60 - 140
Hexachlorobutadiene	0.0500	0.0515		mg/Kg		103	60 - 135
2-Hexanone	0.250	0.300		mg/Kg		120	40 - 150
Isopropylbenzene	0.0500	0.0511		mg/Kg		102	75 - 130
Isopropyl Ether (DIPE)	0.0500	0.0517		mg/Kg		103	60 - 140
Methylene Chloride	0.0500	0.0474		mg/Kg		95	55 - 135
4-Methyl-2-pentanone (MIBK)	0.250	0.271		mg/Kg		108	40 - 145
Methyl-t-Butyl Ether (MTBE)	0.0500	0.0574		mg/Kg		115	60 - 140
m,p-Xylene	0.0500	0.0486		mg/Kg		97	70 - 125
Naphthalene	0.0500	0.0569		mg/Kg		114	55 - 135
n-Butylbenzene	0.0500	0.0486		mg/Kg		97	70 - 130
N-Propylbenzene	0.0500	0.0501		mg/Kg		100	70 - 130
o-Xylene	0.0500	0.0501		mg/Kg		100	70 - 125
p-Isopropyltoluene	0.0500	0.0503		mg/Kg		101	75 - 125
sec-Butylbenzene	0.0500	0.0481		mg/Kg		96	70 - 125
Styrene	0.0500	0.0519		mg/Kg		104	75 - 130
Tert-amyl-methyl ether (TAME)	0.0500	0.0546		mg/Kg		109	60 - 145
tert-Butyl alcohol (TBA)	0.500	0.537		mg/Kg		107	70 - 135
tert-Butylbenzene	0.0500	0.0494		mg/Kg		99	70 - 125
1,1,1,2-Tetrachloroethane	0.0500	0.0557		mg/Kg		111	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.0553		mg/Kg		111	55 - 140
Tetrachloroethene	0.0500	0.0515		mg/Kg		103	70 - 125
Toluene	0.0500	0.0507		mg/Kg		101	70 - 125
trans-1,2-Dichloroethene	0.0500	0.0532		mg/Kg		106	70 - 125
trans-1,3-Dichloropropene	0.0500	0.0585		mg/Kg		117	70 - 135
1,2,3-Trichlorobenzene	0.0500	0.0594		mg/Kg		119	60 - 130
1,2,4-Trichlorobenzene	0.0500	0.0560		mg/Kg		112	70 - 135
1,1,1-Trichloroethane	0.0500	0.0515		mg/Kg		103	65 - 135
1,1,2-Trichloroethane	0.0500	0.0584		mg/Kg		117	65 - 135
Trichloroethene	0.0500	0.0488		mg/Kg		98	70 - 125
Trichlorofluoromethane	0.0500	0.0484		mg/Kg		97	60 - 145
1,2,3-Trichloropropane	0.0500	0.0530		mg/Kg		106	60 - 135
1,2,4-Trimethylbenzene	0.0500	0.0496		mg/Kg		99	70 - 125
1,3,5-Trimethylbenzene	0.0500	0.0516		mg/Kg		103	70 - 125
Vinyl chloride	0.0500	0.0509		mg/Kg		102	55 - 135

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		79 - 120
Dibromofluoromethane (Surr)	114		60 - 120
Toluene-d8 (Surr)	106		79 - 123

Lab Sample ID: 440-238108-B-5 MS

Matrix: Solid

Analysis Batch: 539287

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND	F1	0.367	0.640	F1	mg/Kg	☼	174	20 - 145
Benzene	ND		0.0734	0.0703		mg/Kg	☼	96	65 - 130
Bromobenzene	ND		0.0734	0.0824		mg/Kg	☼	112	65 - 140
Bromochloromethane	ND		0.0734	0.0786		mg/Kg	☼	107	65 - 145
Bromodichloromethane	ND		0.0734	0.0791		mg/Kg	☼	108	65 - 145
Bromoform	ND		0.0734	0.0871		mg/Kg	☼	119	50 - 145
Bromomethane	ND		0.0734	0.0695		mg/Kg	☼	95	60 - 155
Carbon tetrachloride	ND		0.0734	0.0848		mg/Kg	☼	116	60 - 145
Chlorobenzene	ND		0.0734	0.0723		mg/Kg	☼	98	70 - 130
Chloroethane	ND		0.0734	0.0745		mg/Kg	☼	101	60 - 150
Chloroform	ND		0.0734	0.0727		mg/Kg	☼	99	65 - 135
Chloromethane	ND		0.0734	0.0592		mg/Kg	☼	81	40 - 145
2-Chlorotoluene	ND		0.0734	0.0745		mg/Kg	☼	101	60 - 135
4-Chlorotoluene	ND		0.0734	0.0777		mg/Kg	☼	106	65 - 135
cis-1,2-Dichloroethene	ND		0.0734	0.0710		mg/Kg	☼	97	65 - 135
cis-1,3-Dichloropropene	ND		0.0734	0.0813		mg/Kg	☼	111	70 - 135
Dibromochloromethane	ND		0.0734	0.0878		mg/Kg	☼	120	60 - 145
1,2-Dibromo-3-Chloropropane	ND		0.0734	0.0900		mg/Kg	☼	122	40 - 150
1,2-Dibromoethane (EDB)	ND		0.0734	0.0843		mg/Kg	☼	115	65 - 140
Dibromomethane	ND		0.0734	0.0734		mg/Kg	☼	100	65 - 140
1,2-Dichlorobenzene	ND		0.0734	0.0755		mg/Kg	☼	103	70 - 130
1,3-Dichlorobenzene	ND		0.0734	0.0761		mg/Kg	☼	104	70 - 130
1,4-Dichlorobenzene	ND		0.0734	0.0757		mg/Kg	☼	103	70 - 130
Dichlorodifluoromethane	ND		0.0734	0.0570		mg/Kg	☼	78	30 - 160
1,1-Dichloroethane	ND		0.0734	0.0744		mg/Kg	☼	101	65 - 135
1,2-Dichloroethane	ND		0.0734	0.0783		mg/Kg	☼	107	60 - 150
1,1-Dichloroethene	ND		0.0734	0.0759		mg/Kg	☼	103	65 - 135
1,2-Dichloropropane	ND		0.0734	0.0755		mg/Kg	☼	103	65 - 130
1,3-Dichloropropane	ND		0.0734	0.0780		mg/Kg	☼	106	65 - 140
2,2-Dichloropropane	ND		0.0734	0.0791		mg/Kg	☼	108	65 - 150
1,1-Dichloropropene	ND		0.0734	0.0775		mg/Kg	☼	106	65 - 135
Ethylbenzene	ND		0.0734	0.0749		mg/Kg	☼	102	70 - 135
Ethyl-t-butyl ether (ETBE)	ND		0.0734	0.0764		mg/Kg	☼	104	60 - 145
Hexachlorobutadiene	ND		0.0734	0.0716		mg/Kg	☼	98	50 - 145
2-Hexanone	ND		0.367	0.464		mg/Kg	☼	126	35 - 160
Isopropylbenzene	ND		0.0734	0.0769		mg/Kg	☼	105	70 - 145
Isopropyl Ether (DIPE)	ND		0.0734	0.0717		mg/Kg	☼	98	60 - 150
Methylene Chloride	ND		0.0734	0.0678		mg/Kg	☼	92	55 - 145
4-Methyl-2-pentanone (MIBK)	ND		0.367	0.384		mg/Kg	☼	105	40 - 155
Methyl-t-Butyl Ether (MTBE)	ND		0.0734	0.0769		mg/Kg	☼	105	55 - 155
m,p-Xylene	ND		0.0734	0.0753		mg/Kg	☼	102	70 - 130
Naphthalene	ND		0.0734	0.0813		mg/Kg	☼	111	40 - 150

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-238108-B-5 MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539287

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
n-Butylbenzene	ND		0.0734	0.0742		mg/Kg	*	101	55 - 145
N-Propylbenzene	ND		0.0734	0.0782		mg/Kg	*	106	65 - 140
o-Xylene	ND		0.0734	0.0745		mg/Kg	*	101	65 - 130
p-Isopropyltoluene	ND		0.0734	0.0772		mg/Kg	*	105	60 - 140
sec-Butylbenzene	ND		0.0734	0.0736		mg/Kg	*	100	60 - 135
Styrene	ND		0.0734	0.0762		mg/Kg	*	104	70 - 140
Tert-amyl-methyl ether (TAME)	ND		0.0734	0.0761		mg/Kg	*	104	60 - 150
tert-Butyl alcohol (TBA)	ND		0.734	0.839		mg/Kg	*	114	65 - 145
tert-Butylbenzene	ND		0.0734	0.0778		mg/Kg	*	106	60 - 140
1,1,1,2-Tetrachloroethane	ND		0.0734	0.0818		mg/Kg	*	111	65 - 145
1,1,2,2-Tetrachloroethane	ND		0.0734	0.0804		mg/Kg	*	110	40 - 160
Tetrachloroethene	ND		0.0734	0.0789		mg/Kg	*	107	65 - 135
Toluene	ND		0.0734	0.0758		mg/Kg	*	103	70 - 130
trans-1,2-Dichloroethene	ND		0.0734	0.0785		mg/Kg	*	107	70 - 135
trans-1,3-Dichloropropene	ND		0.0734	0.0835		mg/Kg	*	114	60 - 145
1,2,3-Trichlorobenzene	ND		0.0734	0.0817		mg/Kg	*	111	45 - 145
1,2,4-Trichlorobenzene	ND		0.0734	0.0800		mg/Kg	*	109	50 - 140
1,1,1-Trichloroethane	ND		0.0734	0.0797		mg/Kg	*	109	65 - 145
1,1,2-Trichloroethane	ND		0.0734	0.0823		mg/Kg	*	112	65 - 140
Trichloroethene	ND		0.0734	0.0735		mg/Kg	*	100	65 - 140
Trichlorofluoromethane	ND		0.0734	0.0750		mg/Kg	*	102	55 - 155
1,2,3-Trichloropropane	ND		0.0734	0.0770		mg/Kg	*	105	50 - 150
1,2,4-Trimethylbenzene	ND		0.0734	0.0753		mg/Kg	*	103	65 - 140
1,3,5-Trimethylbenzene	ND		0.0734	0.0796		mg/Kg	*	108	65 - 135
Vinyl chloride	ND		0.0734	0.0786		mg/Kg	*	107	55 - 140

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120
Toluene-d8 (Surr)	108		79 - 123

Lab Sample ID: 440-238108-B-5 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539287

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
Acetone	ND	F1	0.363	0.666	F1	mg/Kg	*	184	20 - 145	4	40
Benzene	ND		0.0726	0.0706		mg/Kg	*	97	65 - 130	0	20
Bromobenzene	ND		0.0726	0.0825		mg/Kg	*	114	65 - 140	0	25
Bromochloromethane	ND		0.0726	0.0779		mg/Kg	*	107	65 - 145	1	25
Bromodichloromethane	ND		0.0726	0.0791		mg/Kg	*	109	65 - 145	0	20
Bromoform	ND		0.0726	0.0902		mg/Kg	*	124	50 - 145	3	30
Bromomethane	ND		0.0726	0.0723		mg/Kg	*	100	60 - 155	4	25
Carbon tetrachloride	ND		0.0726	0.0837		mg/Kg	*	115	60 - 145	1	25
Chlorobenzene	ND		0.0726	0.0759		mg/Kg	*	105	70 - 130	5	25
Chloroethane	ND		0.0726	0.0777		mg/Kg	*	107	60 - 150	4	25
Chloroform	ND		0.0726	0.0724		mg/Kg	*	100	65 - 135	0	20
Chloromethane	ND		0.0726	0.0638		mg/Kg	*	88	40 - 145	7	25

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-238108-B-5 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539287

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Chlorotoluene	ND		0.0726	0.0740		mg/Kg	*	102	60 - 135	1	25
4-Chlorotoluene	ND		0.0726	0.0799		mg/Kg	*	110	65 - 135	3	25
cis-1,2-Dichloroethene	ND		0.0726	0.0719		mg/Kg	*	99	65 - 135	1	25
cis-1,3-Dichloropropene	ND		0.0726	0.0863		mg/Kg	*	119	70 - 135	6	25
Dibromochloromethane	ND		0.0726	0.0898		mg/Kg	*	124	60 - 145	2	25
1,2-Dibromo-3-Chloropropane	ND		0.0726	0.0904		mg/Kg	*	125	40 - 150	0	30
1,2-Dibromoethane (EDB)	ND		0.0726	0.0868		mg/Kg	*	120	65 - 140	3	25
Dibromomethane	ND		0.0726	0.0728		mg/Kg	*	100	65 - 140	1	25
1,2-Dichlorobenzene	ND		0.0726	0.0780		mg/Kg	*	108	70 - 130	3	25
1,3-Dichlorobenzene	ND		0.0726	0.0774		mg/Kg	*	107	70 - 130	2	25
1,4-Dichlorobenzene	ND		0.0726	0.0756		mg/Kg	*	104	70 - 130	0	25
Dichlorodifluoromethane	ND		0.0726	0.0585		mg/Kg	*	81	30 - 160	3	35
1,1-Dichloroethane	ND		0.0726	0.0740		mg/Kg	*	102	65 - 135	1	25
1,2-Dichloroethane	ND		0.0726	0.0781		mg/Kg	*	108	60 - 150	0	25
1,1-Dichloroethene	ND		0.0726	0.0747		mg/Kg	*	103	65 - 135	2	25
1,2-Dichloropropane	ND		0.0726	0.0774		mg/Kg	*	107	65 - 130	2	20
1,3-Dichloropropane	ND		0.0726	0.0812		mg/Kg	*	112	65 - 140	4	25
2,2-Dichloropropane	ND		0.0726	0.0757		mg/Kg	*	104	65 - 150	4	25
1,1-Dichloropropene	ND		0.0726	0.0802		mg/Kg	*	110	65 - 135	3	20
Ethylbenzene	ND		0.0726	0.0771		mg/Kg	*	106	70 - 135	3	25
Ethyl-t-butyl ether (ETBE)	ND		0.0726	0.0783		mg/Kg	*	108	60 - 145	3	30
Hexachlorobutadiene	ND		0.0726	0.0763		mg/Kg	*	105	50 - 145	6	35
2-Hexanone	ND		0.363	0.487		mg/Kg	*	134	35 - 160	5	40
Isopropylbenzene	ND		0.0726	0.0792		mg/Kg	*	109	70 - 145	3	25
Isopropyl Ether (DIPE)	ND		0.0726	0.0740		mg/Kg	*	102	60 - 150	3	25
Methylene Chloride	ND		0.0726	0.0697		mg/Kg	*	96	55 - 145	3	25
4-Methyl-2-pentanone (MIBK)	ND		0.363	0.404		mg/Kg	*	111	40 - 155	5	40
Methyl-t-Butyl Ether (MTBE)	ND		0.0726	0.0813		mg/Kg	*	112	55 - 155	6	35
m,p-Xylene	ND		0.0726	0.0784		mg/Kg	*	108	70 - 130	4	25
Naphthalene	ND		0.0726	0.0851		mg/Kg	*	117	40 - 150	5	40
n-Butylbenzene	ND		0.0726	0.0758		mg/Kg	*	104	55 - 145	2	30
N-Propylbenzene	ND		0.0726	0.0787		mg/Kg	*	108	65 - 140	1	25
o-Xylene	ND		0.0726	0.0777		mg/Kg	*	107	65 - 130	4	25
p-Isopropyltoluene	ND		0.0726	0.0787		mg/Kg	*	108	60 - 140	2	25
sec-Butylbenzene	ND		0.0726	0.0738		mg/Kg	*	102	60 - 135	0	25
Styrene	ND		0.0726	0.0784		mg/Kg	*	108	70 - 140	3	25
Tert-amyl-methyl ether (TAME)	ND		0.0726	0.0785		mg/Kg	*	108	60 - 150	3	25
tert-Butyl alcohol (TBA)	ND		0.726	0.801		mg/Kg	*	110	65 - 145	5	30
tert-Butylbenzene	ND		0.0726	0.0776		mg/Kg	*	107	60 - 140	0	25
1,1,1,2-Tetrachloroethane	ND		0.0726	0.0824		mg/Kg	*	114	65 - 145	1	20
1,1,1,2,2-Tetrachloroethane	ND		0.0726	0.0790		mg/Kg	*	109	40 - 160	2	30
Tetrachloroethene	ND		0.0726	0.0802		mg/Kg	*	110	65 - 135	2	25
Toluene	ND		0.0726	0.0796		mg/Kg	*	110	70 - 130	5	20
trans-1,2-Dichloroethene	ND		0.0726	0.0765		mg/Kg	*	105	70 - 135	2	25
trans-1,3-Dichloropropene	ND		0.0726	0.0858		mg/Kg	*	118	60 - 145	3	25
1,2,3-Trichlorobenzene	ND		0.0726	0.0860		mg/Kg	*	119	45 - 145	5	30
1,2,4-Trichlorobenzene	ND		0.0726	0.0862		mg/Kg	*	119	50 - 140	7	30
1,1,1-Trichloroethane	ND		0.0726	0.0805		mg/Kg	*	111	65 - 145	1	20
1,1,2-Trichloroethane	ND		0.0726	0.0859		mg/Kg	*	118	65 - 140	4	30

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-238108-B-5 MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539287

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	ND		0.0726	0.0768		mg/Kg	✱	106	65 - 140	4	25
Trichlorofluoromethane	ND		0.0726	0.0771		mg/Kg	✱	106	55 - 155	3	25
1,2,3-Trichloropropane	ND		0.0726	0.0808		mg/Kg	✱	111	50 - 150	5	30
1,2,4-Trimethylbenzene	ND		0.0726	0.0762		mg/Kg	✱	105	65 - 140	1	25
1,3,5-Trimethylbenzene	ND		0.0726	0.0785		mg/Kg	✱	108	65 - 135	1	25
Vinyl chloride	ND		0.0726	0.0822		mg/Kg	✱	113	55 - 140	5	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		79 - 120
Dibromofluoromethane (Surr)	106		60 - 120
Toluene-d8 (Surr)	108		79 - 123

Lab Sample ID: MB 440-539377/4

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.010	0.0050	mg/Kg			04/10/19 08:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 120		04/10/19 08:20	1
Dibromofluoromethane (Surr)	101		60 - 120		04/10/19 08:20	1
Toluene-d8 (Surr)	104		79 - 123		04/10/19 08:20	1

Lab Sample ID: LCS 440-539377/5

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	0.250	0.269		mg/Kg		108	40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		79 - 120
Dibromofluoromethane (Surr)	104		60 - 120
Toluene-d8 (Surr)	102		79 - 123

Lab Sample ID: 440-237770-9 MS

Client Sample ID: ECA-CONFIRMATION

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 539377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND		0.260	0.293		mg/Kg	✱	113	25 - 170

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		79 - 120
Dibromofluoromethane (Surr)	99		60 - 120
Toluene-d8 (Surr)	103		79 - 123

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8260B/5030B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 539377

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		0.260	0.303		mg/Kg	☼	117	25 - 170	3	40
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		79 - 120								
Dibromofluoromethane (Surr)	97		60 - 120								
Toluene-d8 (Surr)	102		79 - 123								

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

Lab Sample ID: MB 440-538554/1-A

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.25	0.13	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Acenaphthylene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Aniline	ND		0.50	0.14	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Anthracene	ND		0.25	0.060	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzidine	ND		1.3	0.17	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzo[a]anthracene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzo[a]pyrene	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzo[b]fluoranthene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzo[g,h,i]perylene	ND		0.25	0.082	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzoic acid	ND		0.75	0.36	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzo[k]fluoranthene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Benzyl alcohol	ND		1.3	0.41	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Bis(2-chloroethoxy)methane	ND		0.25	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Bis(2-chloroethyl)ether	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Bis(2-ethylhexyl) phthalate	ND		0.25	0.068	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Bromophenyl phenyl ether	ND		0.25	0.056	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Butyl benzyl phthalate	ND		0.25	0.060	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Chloroaniline	ND		0.50	0.15	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Chloro-3-methylphenol	ND		0.40	0.15	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Chloronaphthalene	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Chlorophenol	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Chlorophenyl phenyl ether	ND		0.50	0.20	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Chrysene	ND		0.25	0.056	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Dibenz(a,h)anthracene	ND		0.25	0.075	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Dibenzofuran	ND		0.25	0.14	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
3,3'-Dichlorobenzidine	ND		0.50	0.11	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4-Dichlorophenol	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Diethyl phthalate	ND		0.25	0.071	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4-Dimethylphenol	ND		0.25	0.098	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Dimethyl phthalate	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Di-n-butyl phthalate	ND		0.25	0.068	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4-Dinitrophenol	ND		1.0	0.75	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4-Dinitrotoluene	ND		0.25	0.060	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,6-Dinitrotoluene	ND		0.25	0.071	mg/Kg		04/05/19 05:59	04/05/19 13:15	1

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: MB 440-538554/1-A

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	ND		0.25	0.068	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Fluoranthene	ND		0.33	0.16	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Fluorene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Hexachlorobenzene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Hexachlorocyclopentadiene	ND		0.75	0.31	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Hexachloroethane	ND		0.25	0.070	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Indeno[1,2,3-cd]pyrene	ND		0.25	0.098	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Isophorone	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
1-Methylnaphthalene	ND		0.25	0.11	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Methylnaphthalene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Methylphenol	ND		0.25	0.060	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
3-Methylphenol + 4-Methylphenol	ND		0.25	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Naphthalene	ND		0.25	0.050	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Nitroaniline	ND		0.25	0.17	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
3-Nitroaniline	ND		0.25	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Nitroaniline	ND		0.50	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Nitrobenzene	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2-Nitrophenol	ND		0.25	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
4-Nitrophenol	ND		1.0	0.50	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
N-Nitrosodi-n-propylamine	ND		0.25	0.052	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
N-Nitrosodiphenylamine	ND		0.50	0.16	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Pentachlorophenol	ND		0.50	0.26	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Phenanthrene	ND		0.33	0.15	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Phenol	ND		0.25	0.068	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Pyrene	ND		0.25	0.10	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
Pyridine	ND		0.34	0.11	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4,5-Trichlorophenol	ND		0.50	0.20	mg/Kg		04/05/19 05:59	04/05/19 13:15	1
2,4,6-Trichlorophenol	ND		0.50	0.16	mg/Kg		04/05/19 05:59	04/05/19 13:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	95		42 - 113	04/05/19 05:59	04/05/19 13:15	1
2-Fluorophenol (Surr)	86		18 - 138	04/05/19 05:59	04/05/19 13:15	1
Nitrobenzene-d5 (Surr)	87		39 - 104	04/05/19 05:59	04/05/19 13:15	1
Phenol-d6 (Surr)	90		37 - 125	04/05/19 05:59	04/05/19 13:15	1
Terphenyl-d14 (Surr)	104		43 - 125	04/05/19 05:59	04/05/19 13:15	1
2,4,6-Tribromophenol (Surr)	85		10 - 147	04/05/19 05:59	04/05/19 13:15	1

Lab Sample ID: LCS 440-538554/2-A

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.50	2.45		mg/Kg		98	40 - 118
Acenaphthylene	2.50	2.62		mg/Kg		105	47 - 125
Aniline	2.50	2.43		mg/Kg		97	23 - 105
Anthracene	2.50	2.73		mg/Kg		109	51 - 122
Benzidine	2.50	0.647	J	mg/Kg		26	5 - 61
Benzo[a]anthracene	2.50	2.64		mg/Kg		105	50 - 123

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: LCS 440-538554/2-A

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	2.50	2.75		mg/Kg		110	52 - 125
Benzo[b]fluoranthene	2.50	2.71		mg/Kg		108	52 - 125
Benzo[g,h,i]perylene	2.50	2.86		mg/Kg		114	38 - 149
Benzoic acid	2.50	1.88		mg/Kg		75	28 - 120
Benzo[k]fluoranthene	2.50	2.61		mg/Kg		104	50 - 132
Benzyl alcohol	2.50	2.21		mg/Kg		89	20 - 133
Bis(2-chloroethoxy)methane	2.50	2.52		mg/Kg		101	39 - 119
Bis(2-chloroethyl)ether	2.50	2.48		mg/Kg		99	32 - 114
Bis(2-ethylhexyl) phthalate	2.50	2.70		mg/Kg		108	49 - 127
4-Bromophenyl phenyl ether	2.50	2.67		mg/Kg		107	52 - 126
Butyl benzyl phthalate	2.50	2.63		mg/Kg		105	48 - 130
4-Chloroaniline	2.50	1.80		mg/Kg		72	25 - 130
4-Chloro-3-methylphenol	2.50	2.41		mg/Kg		96	45 - 128
2-Chloronaphthalene	2.50	2.58		mg/Kg		103	43 - 120
2-Chlorophenol	2.50	2.49		mg/Kg		100	43 - 125
4-Chlorophenyl phenyl ether	2.50	2.66		mg/Kg		106	46 - 121
Chrysene	2.50	2.64		mg/Kg		106	51 - 127
Dibenz(a,h)anthracene	2.50	2.84		mg/Kg		114	45 - 136
Dibenzofuran	2.50	2.55		mg/Kg		102	47 - 120
3,3'-Dichlorobenzidine	2.50	2.47		mg/Kg		99	28 - 114
2,4-Dichlorophenol	2.50	2.60		mg/Kg		104	49 - 127
Diethyl phthalate	2.50	2.55		mg/Kg		102	46 - 122
2,4-Dimethylphenol	2.50	2.49		mg/Kg		100	41 - 122
Dimethyl phthalate	2.50	2.55		mg/Kg		102	48 - 122
Di-n-butyl phthalate	2.50	2.71		mg/Kg		108	43 - 128
2,4-Dinitrophenol	5.00	5.17		mg/Kg		103	34 - 124
2,4-Dinitrotoluene	2.50	2.65		mg/Kg		106	46 - 126
2,6-Dinitrotoluene	2.50	2.61		mg/Kg		104	48 - 126
Di-n-octyl phthalate	2.50	2.56		mg/Kg		102	47 - 133
Fluoranthene	2.50	2.78		mg/Kg		111	44 - 123
Fluorene	2.50	2.71		mg/Kg		108	48 - 123
Hexachlorobenzene	2.50	2.70		mg/Kg		108	52 - 125
Hexachlorocyclopentadiene	2.50	2.65		mg/Kg		106	17 - 119
Hexachloroethane	2.50	2.32		mg/Kg		93	34 - 107
Indeno[1,2,3-cd]pyrene	2.50	2.69		mg/Kg		107	46 - 148
Isophorone	2.50	2.56		mg/Kg		102	38 - 119
2-Methylnaphthalene	2.50	2.53		mg/Kg		101	44 - 119
2-Methylphenol	2.50	2.57		mg/Kg		103	42 - 130
3-Methylphenol + 4-Methylphenol	2.50	2.66		mg/Kg		106	42 - 138
Naphthalene	2.50	2.45		mg/Kg		98	42 - 115
2-Nitroaniline	2.50	2.82		mg/Kg		113	40 - 131
3-Nitroaniline	2.50	1.96		mg/Kg		79	39 - 129
4-Nitroaniline	2.50	2.64		mg/Kg		106	40 - 126
Nitrobenzene	2.50	2.52		mg/Kg		101	38 - 116
2-Nitrophenol	2.50	2.48		mg/Kg		99	44 - 124
4-Nitrophenol	5.00	4.70		mg/Kg		94	35 - 130
N-Nitrosodi-n-propylamine	2.50	2.82		mg/Kg		113	31 - 124
N-Nitrosodiphenylamine	2.50	2.69		mg/Kg		107	48 - 130
Pentachlorophenol	5.00	5.75		mg/Kg		115	40 - 121

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: LCS 440-538554/2-A

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenanthrene	2.50	2.69		mg/Kg		108	51 - 122
Phenol	2.50	2.59		mg/Kg		104	42 - 133
Pyrene	2.50	2.66		mg/Kg		106	54 - 127
Pyridine	5.00	3.46		mg/Kg		69	21 - 76
2,4,5-Trichlorophenol	2.50	2.41		mg/Kg		96	51 - 125
2,4,6-Trichlorophenol	2.50	2.69		mg/Kg		108	48 - 126

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl	94		42 - 113
2-Fluorophenol (Surr)	91		18 - 138
Nitrobenzene-d5 (Surr)	91		39 - 104
Phenol-d6 (Surr)	96		37 - 125
Terphenyl-d14 (Surr)	105		43 - 125
2,4,6-Tribromophenol (Surr)	98		10 - 147

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		2.58	2.31		mg/Kg	☼	89	45 - 120
Acenaphthylene	ND		2.58	2.50		mg/Kg	☼	97	45 - 120
Aniline	ND		2.58	2.05		mg/Kg	☼	79	25 - 120
Anthracene	ND		2.58	2.51		mg/Kg	☼	97	55 - 120
Benzidine	ND	F1	2.58	ND	F1	mg/Kg	☼	0	20 - 120
Benzo[a]anthracene	ND		2.58	2.40		mg/Kg	☼	93	50 - 120
Benzo[a]pyrene	ND		2.58	2.47		mg/Kg	☼	96	45 - 125
Benzo[b]fluoranthene	ND		2.58	2.41		mg/Kg	☼	93	45 - 125
Benzo[g,h,i]perylene	ND		2.58	2.67		mg/Kg	☼	104	25 - 130
Benzoic acid	ND		2.58	1.37		mg/Kg	☼	53	20 - 120
Benzo[k]fluoranthene	ND		2.58	2.40		mg/Kg	☼	93	45 - 125
Benzyl alcohol	ND		2.58	2.34		mg/Kg	☼	91	20 - 120
Bis(2-chloroethoxy)methane	ND		2.58	2.34		mg/Kg	☼	91	45 - 120
Bis(2-chloroethyl)ether	ND		2.58	2.19		mg/Kg	☼	85	35 - 110
Bis(2-ethylhexyl) phthalate	ND		2.58	2.57		mg/Kg	☼	99	45 - 130
4-Bromophenyl phenyl ether	ND		2.58	2.48		mg/Kg	☼	96	45 - 120
Butyl benzyl phthalate	ND		2.58	2.48		mg/Kg	☼	96	45 - 125
4-Chloroaniline	ND		2.58	1.79		mg/Kg	☼	69	20 - 120
4-Chloro-3-methylphenol	ND		2.58	2.38		mg/Kg	☼	92	50 - 125
2-Chloronaphthalene	ND		2.58	2.46		mg/Kg	☼	95	45 - 120
2-Chlorophenol	ND		2.58	2.20		mg/Kg	☼	85	40 - 120
4-Chlorophenyl phenyl ether	ND		2.58	2.56		mg/Kg	☼	99	50 - 120
Chrysene	ND		2.58	2.35		mg/Kg	☼	91	55 - 120
Dibenz(a,h)anthracene	ND		2.58	2.60		mg/Kg	☼	101	25 - 135
Dibenzofuran	ND		2.58	2.47		mg/Kg	☼	95	50 - 120
3,3'-Dichlorobenzidine	ND		2.58	2.33		mg/Kg	☼	90	20 - 130
2,4-Dichlorophenol	ND		2.58	2.44		mg/Kg	☼	94	45 - 120
Diethyl phthalate	ND		2.58	2.43		mg/Kg	☼	94	50 - 125

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
2,4-Dimethylphenol	ND		2.58	2.28		mg/Kg	*	88	30 - 120
Dimethyl phthalate	ND		2.58	2.42		mg/Kg	*	94	45 - 125
Di-n-butyl phthalate	ND		2.58	2.51		mg/Kg	*	97	50 - 125
2,4-Dinitrophenol	ND		5.17	2.36		mg/Kg	*	46	20 - 120
2,4-Dinitrotoluene	ND		2.58	2.52		mg/Kg	*	98	50 - 125
2,6-Dinitrotoluene	ND		2.58	2.52		mg/Kg	*	98	50 - 125
Di-n-octyl phthalate	ND		2.58	2.51		mg/Kg	*	97	50 - 135
Fluoranthene	ND		2.58	2.51		mg/Kg	*	97	45 - 120
Fluorene	ND		2.58	2.60		mg/Kg	*	101	50 - 120
Hexachlorobenzene	ND		2.58	2.51		mg/Kg	*	97	50 - 120
Hexachlorocyclopentadiene	ND		2.58	2.48		mg/Kg	*	96	20 - 125
Hexachloroethane	ND		2.58	2.00		mg/Kg	*	77	35 - 120
Indeno[1,2,3-cd]pyrene	ND		2.58	2.52		mg/Kg	*	98	20 - 130
Isophorone	ND		2.58	2.40		mg/Kg	*	93	40 - 120
2-Methylnaphthalene	ND		2.58	2.37		mg/Kg	*	92	40 - 120
2-Methylphenol	ND		2.58	2.29		mg/Kg	*	89	40 - 120
3-Methylphenol + 4-Methylphenol	ND		2.58	2.49		mg/Kg	*	96	50 - 120
Naphthalene	ND		2.58	2.22		mg/Kg	*	86	40 - 120
2-Nitroaniline	ND		2.58	2.71		mg/Kg	*	105	45 - 120
3-Nitroaniline	ND		2.58	1.93		mg/Kg	*	75	30 - 120
4-Nitroaniline	ND		2.58	2.47		mg/Kg	*	96	40 - 125
Nitrobenzene	ND		2.58	2.30		mg/Kg	*	89	40 - 120
2-Nitrophenol	ND		2.58	2.28		mg/Kg	*	88	40 - 120
4-Nitrophenol	ND		5.17	4.50		mg/Kg	*	87	35 - 125
N-Nitrosodi-n-propylamine	ND		2.58	2.62		mg/Kg	*	101	35 - 120
N-Nitrosodiphenylamine	ND		2.58	2.52		mg/Kg	*	98	45 - 125
Pentachlorophenol	ND		5.17	2.56		mg/Kg	*	50	30 - 120
Phenanthrene	ND		2.58	2.42		mg/Kg	*	94	50 - 120
Phenol	ND		2.58	2.50		mg/Kg	*	97	40 - 120
Pyrene	ND		2.58	2.43		mg/Kg	*	94	40 - 125
Pyridine	ND		5.17	3.15		mg/Kg	*	61	25 - 130
2,4,5-Trichlorophenol	ND		2.58	2.50		mg/Kg	*	97	45 - 120
2,4,6-Trichlorophenol	ND		2.58	2.49		mg/Kg	*	97	45 - 120

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	89		42 - 113
2-Fluorophenol (Surr)	77		18 - 138
Nitrobenzene-d5 (Surr)	80		39 - 104
Phenol-d6 (Surr)	84		37 - 125
Terphenyl-d14 (Surr)	95		43 - 125
2,4,6-Tribromophenol (Surr)	90		10 - 147

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier						Limits
Acenaphthene	ND		2.62	2.02		mg/Kg	*	77	45 - 120	13	25

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Acenaphthylene	ND		2.62	2.18		mg/Kg	*	83	45 - 120	14	20
Aniline	ND		2.62	1.89		mg/Kg	*	72	25 - 120	8	30
Anthracene	ND		2.62	2.21		mg/Kg	*	85	55 - 120	13	25
Benzidine	ND	F1	2.62	ND	F1	mg/Kg	*	0	20 - 120	NC	30
Benzo[a]anthracene	ND		2.62	2.09		mg/Kg	*	80	50 - 120	14	25
Benzo[a]pyrene	ND		2.62	2.19		mg/Kg	*	83	45 - 125	12	25
Benzo[b]fluoranthene	ND		2.62	2.15		mg/Kg	*	82	45 - 125	12	30
Benzo[g,h,i]perylene	ND		2.62	2.37		mg/Kg	*	90	25 - 130	12	30
Benzoic acid	ND		2.62	1.03		mg/Kg	*	39	20 - 120	28	30
Benzo[k]fluoranthene	ND		2.62	2.17		mg/Kg	*	83	45 - 125	10	30
Benzyl alcohol	ND		2.62	2.05		mg/Kg	*	78	20 - 120	13	30
Bis(2-chloroethoxy)methane	ND		2.62	2.09		mg/Kg	*	80	45 - 120	11	25
Bis(2-chloroethyl)ether	ND		2.62	1.96		mg/Kg	*	75	35 - 110	11	25
Bis(2-ethylhexyl) phthalate	ND		2.62	2.22		mg/Kg	*	85	45 - 130	14	25
4-Bromophenyl phenyl ether	ND		2.62	2.17		mg/Kg	*	83	45 - 120	13	20
Butyl benzyl phthalate	ND		2.62	2.12		mg/Kg	*	81	45 - 125	16	25
4-Chloroaniline	ND		2.62	1.59		mg/Kg	*	61	20 - 120	12	30
4-Chloro-3-methylphenol	ND		2.62	2.11		mg/Kg	*	81	50 - 125	12	25
2-Chloronaphthalene	ND		2.62	2.14		mg/Kg	*	82	45 - 120	14	20
2-Chlorophenol	ND		2.62	2.01		mg/Kg	*	77	40 - 120	9	20
4-Chlorophenyl phenyl ether	ND		2.62	2.22		mg/Kg	*	85	50 - 120	14	25
Chrysene	ND		2.62	2.08		mg/Kg	*	79	55 - 120	12	25
Dibenz(a,h)anthracene	ND		2.62	2.33		mg/Kg	*	89	25 - 135	11	30
Dibenzofuran	ND		2.62	2.12		mg/Kg	*	81	50 - 120	15	25
3,3'-Dichlorobenzidine	ND		2.62	2.05		mg/Kg	*	78	20 - 130	13	25
2,4-Dichlorophenol	ND		2.62	2.15		mg/Kg	*	82	45 - 120	12	25
Diethyl phthalate	ND		2.62	2.12		mg/Kg	*	81	50 - 125	14	25
2,4-Dimethylphenol	ND		2.62	2.04		mg/Kg	*	78	30 - 120	11	25
Dimethyl phthalate	ND		2.62	2.13		mg/Kg	*	81	45 - 125	13	25
Di-n-butyl phthalate	ND		2.62	2.20		mg/Kg	*	84	50 - 125	13	25
2,4-Dinitrophenol	ND		5.24	2.21		mg/Kg	*	42	20 - 120	7	25
2,4-Dinitrotoluene	ND		2.62	2.13		mg/Kg	*	81	50 - 125	17	25
2,6-Dinitrotoluene	ND		2.62	2.16		mg/Kg	*	82	50 - 125	16	20
Di-n-octyl phthalate	ND		2.62	2.17		mg/Kg	*	83	50 - 135	14	25
Fluoranthene	ND		2.62	2.21		mg/Kg	*	84	45 - 120	13	25
Fluorene	ND		2.62	2.27		mg/Kg	*	87	50 - 120	14	25
Hexachlorobenzene	ND		2.62	2.22		mg/Kg	*	85	50 - 120	12	25
Hexachlorocyclopentadiene	ND		2.62	2.14		mg/Kg	*	82	20 - 125	15	30
Hexachloroethane	ND		2.62	1.84		mg/Kg	*	70	35 - 120	9	30
Indeno[1,2,3-cd]pyrene	ND		2.62	2.23		mg/Kg	*	85	20 - 130	12	30
Isophorone	ND		2.62	2.12		mg/Kg	*	81	40 - 120	12	25
2-Methylnaphthalene	ND		2.62	2.11		mg/Kg	*	80	40 - 120	12	20
2-Methylphenol	ND		2.62	2.06		mg/Kg	*	79	40 - 120	10	25
3-Methylphenol + 4-Methylphenol	ND		2.62	2.23		mg/Kg	*	85	50 - 120	11	25
Naphthalene	ND		2.62	2.01		mg/Kg	*	77	40 - 120	10	25
2-Nitroaniline	ND		2.62	2.31		mg/Kg	*	88	45 - 120	16	25
3-Nitroaniline	ND		2.62	1.71		mg/Kg	*	65	30 - 120	12	25
4-Nitroaniline	ND		2.62	2.20		mg/Kg	*	84	40 - 125	12	30
Nitrobenzene	ND		2.62	2.06		mg/Kg	*	79	40 - 120	11	25

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 538614

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 538554

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
2-Nitrophenol	ND		2.62	1.98		mg/Kg	*	76	40 - 120	14	25
4-Nitrophenol	ND		5.24	3.88		mg/Kg	*	74	35 - 125	15	30
N-Nitrosodi-n-propylamine	ND		2.62	2.35		mg/Kg	*	90	35 - 120	11	25
N-Nitrosodiphenylamine	ND		2.62	2.14		mg/Kg	*	82	45 - 125	16	25
Pentachlorophenol	ND		5.24	2.12		mg/Kg	*	41	30 - 120	19	25
Phenanthrene	ND		2.62	2.16		mg/Kg	*	83	50 - 120	11	25
Phenol	ND		2.62	2.25		mg/Kg	*	86	40 - 120	10	25
Pyrene	ND		2.62	2.13		mg/Kg	*	81	40 - 125	13	30
Pyridine	ND		5.24	2.92		mg/Kg	*	56	25 - 130	7	30
2,4,5-Trichlorophenol	ND		2.62	2.12		mg/Kg	*	81	45 - 120	16	20
2,4,6-Trichlorophenol	ND		2.62	2.15		mg/Kg	*	82	45 - 120	15	25

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl	76		42 - 113
2-Fluorophenol (Surr)	70		18 - 138
Nitrobenzene-d5 (Surr)	72		39 - 104
Phenol-d6 (Surr)	75		37 - 125
Terphenyl-d14 (Surr)	81		43 - 125
2,4,6-Tribromophenol (Surr)	78		10 - 147

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RA

Lab Sample ID: MB 440-538554/1-A

Matrix: Solid

Analysis Batch: 538790

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538554

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Octachlorostyrene - RA	ND		0.65	0.12	mg/Kg		04/05/19 05:59	04/06/19 16:44	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl - RA	94		42 - 113	04/05/19 05:59	04/06/19 16:44	1
2-Fluorophenol (Surr) - RA	86		18 - 138	04/05/19 05:59	04/06/19 16:44	1
Nitrobenzene-d5 (Surr) - RA	87		39 - 104	04/05/19 05:59	04/06/19 16:44	1
Phenol-d6 (Surr) - RA	89		37 - 125	04/05/19 05:59	04/06/19 16:44	1
Terphenyl-d14 (Surr) - RA	102		43 - 125	04/05/19 05:59	04/06/19 16:44	1
2,4,6-Tribromophenol (Surr) - RA	86		10 - 147	04/05/19 05:59	04/06/19 16:44	1

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

Lab Sample ID: MB 440-538662/1-A

Matrix: Solid

Analysis Batch: 538777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Acenaphthylene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Anthracene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Benzo[a]anthracene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Benzo[a]pyrene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: MB 440-538662/1-A

Matrix: Solid

Analysis Batch: 538777

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538662

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzo[b]fluoranthene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Benzo[g,h,i]perylene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Benzo[k]fluoranthene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Chrysene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Dibenz(a,h)anthracene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Fluoranthene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Fluorene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Indeno[1,2,3-cd]pyrene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Naphthalene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Phenanthrene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1
Pyrene	ND		30	4.0	ug/Kg		04/05/19 13:02	04/06/19 08:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-Fluorobiphenyl (Surr)	112		29 - 120	04/05/19 13:02	04/06/19 08:49	1
Nitrobenzene-d5	104		11 - 118	04/05/19 13:02	04/06/19 08:49	1
Terphenyl-d14	123	X	10 - 120	04/05/19 13:02	04/06/19 08:49	1

Lab Sample ID: LCS 440-538662/2-A

Matrix: Solid

Analysis Batch: 538682

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538662

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	66.7	67.0		ug/Kg		100	47 - 120
Anthracene	66.7	66.2		ug/Kg		99	46 - 120
Benzo[a]anthracene	66.7	67.3		ug/Kg		101	48 - 120
Benzo[a]pyrene	66.7	66.8		ug/Kg		100	48 - 120
Benzo[b]fluoranthene	66.7	66.2		ug/Kg		99	49 - 120
Benzo[g,h,i]perylene	66.7	67.2		ug/Kg		101	38 - 127
Benzo[k]fluoranthene	66.7	70.4		ug/Kg		106	48 - 120
Chrysene	66.7	71.5		ug/Kg		107	48 - 120
Dibenz(a,h)anthracene	66.7	66.7		ug/Kg		100	39 - 120
Fluoranthene	66.7	69.9		ug/Kg		105	46 - 120
Fluorene	66.7	72.6		ug/Kg		109	47 - 120
Indeno[1,2,3-cd]pyrene	66.7	65.7		ug/Kg		99	42 - 120
Naphthalene	66.7	62.2		ug/Kg		93	46 - 120
Phenanthrene	66.7	66.6		ug/Kg		100	47 - 120
Pyrene	66.7	68.9		ug/Kg		103	46 - 120

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	105		29 - 120
Nitrobenzene-d5	97		11 - 118
Terphenyl-d14	114		10 - 120

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237593-A-11-C MS

Matrix: Solid

Analysis Batch: 538682

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 538662

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	ND		66.5	65.5		ug/Kg		98	10 - 150
Acenaphthylene	ND		66.5	61.3		ug/Kg		92	23 - 114
Anthracene	ND		66.5	65.7		ug/Kg		99	10 - 150
Benzo[a]anthracene	5.0	J	66.5	70.5		ug/Kg		98	10 - 150
Benzo[a]pyrene	5.4	J	66.5	67.2		ug/Kg		93	10 - 150
Benzo[b]fluoranthene	7.8	J	66.5	69.0		ug/Kg		92	10 - 150
Benzo[g,h,i]perylene	7.4	J	66.5	65.9		ug/Kg		88	10 - 143
Benzo[k]fluoranthene	ND		66.5	63.8		ug/Kg		96	10 - 150
Chrysene	9.4	J	66.5	72.3		ug/Kg		95	10 - 150
Dibenz(a,h)anthracene	ND		66.5	64.9		ug/Kg		98	10 - 127
Fluoranthene	8.1	J	66.5	72.4		ug/Kg		97	10 - 150
Fluorene	ND		66.5	71.8		ug/Kg		108	10 - 150
Indeno[1,2,3-cd]pyrene	4.8	J	66.5	66.2		ug/Kg		92	10 - 138
Naphthalene	ND		66.5	62.7		ug/Kg		94	10 - 150
Phenanthrene	ND		66.5	66.4		ug/Kg		100	10 - 150
Pyrene	7.9	J	66.5	71.6		ug/Kg		96	10 - 150

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	103		29 - 120
Nitrobenzene-d5	96		11 - 118
Terphenyl-d14	110		10 - 120

Lab Sample ID: 440-237593-A-11-D MSD

Matrix: Solid

Analysis Batch: 538682

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 538662

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
Acenaphthene	ND		66.3	63.3		ug/Kg		95	10 - 150	3	39
Acenaphthylene	ND		66.3	62.0		ug/Kg		94	23 - 114	1	38
Anthracene	ND		66.3	61.5		ug/Kg		93	10 - 150	7	40
Benzo[a]anthracene	5.0	J	66.3	68.2		ug/Kg		95	10 - 150	3	40
Benzo[a]pyrene	5.4	J	66.3	66.1		ug/Kg		91	10 - 150	2	40
Benzo[b]fluoranthene	7.8	J	66.3	67.3		ug/Kg		90	10 - 150	2	40
Benzo[g,h,i]perylene	7.4	J	66.3	60.4		ug/Kg		80	10 - 143	9	40
Benzo[k]fluoranthene	ND		66.3	61.6		ug/Kg		93	10 - 150	3	40
Chrysene	9.4	J	66.3	69.4		ug/Kg		91	10 - 150	4	40
Dibenz(a,h)anthracene	ND		66.3	60.1		ug/Kg		91	10 - 127	8	40
Fluoranthene	8.1	J	66.3	69.0		ug/Kg		92	10 - 150	5	40
Fluorene	ND		66.3	68.6		ug/Kg		103	10 - 150	5	40
Indeno[1,2,3-cd]pyrene	4.8	J	66.3	61.8		ug/Kg		86	10 - 138	7	40
Naphthalene	ND		66.3	60.6		ug/Kg		91	10 - 150	3	40
Phenanthrene	ND		66.3	62.6		ug/Kg		94	10 - 150	6	40
Pyrene	7.9	J	66.3	68.2		ug/Kg		91	10 - 150	5	40

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	102		29 - 120
Nitrobenzene-d5	94		11 - 118
Terphenyl-d14	107		10 - 120

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 440-538437/1-A

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 538437

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
alpha-BHC	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
cis-Chlordane	ND		0.0050	0.0020	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
beta-BHC	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
4,4'-DDD	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
2,4'-DDE	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
4,4'-DDE	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
4,4'-DDT	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
delta-BHC	ND		0.010	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Dieldrin	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endosulfan I	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endosulfan II	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endosulfan sulfate	ND		0.010	0.0020	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endrin	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endrin aldehyde	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Endrin ketone	ND		0.0050	0.0020	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
gamma-BHC (Lindane)	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
trans-Chlordane	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Heptachlor	ND		0.0050	0.0020	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Heptachlor epoxide	ND		0.0050	0.0020	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Methoxychlor	ND		0.0050	0.0015	mg/Kg		04/04/19 13:36	04/05/19 14:33	1
Toxaphene	ND		0.20	0.050	mg/Kg		04/04/19 13:36	04/05/19 14:33	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	82		21 - 117	04/04/19 13:36	04/05/19 14:33	1
Tetrachloro-m-xylene	63		28 - 115	04/04/19 13:36	04/05/19 14:33	1

Lab Sample ID: LCS 440-538437/2-A

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538437

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				
Aldrin	0.0167	0.0125		mg/Kg		75	53 - 115
alpha-BHC	0.0167	0.0137		mg/Kg		82	57 - 115
cis-Chlordane	0.0167	0.0141		mg/Kg		84	56 - 115
beta-BHC	0.0167	0.0129		mg/Kg		78	58 - 115
4,4'-DDD	0.0167	0.0139		mg/Kg		84	59 - 118
2,4'-DDE	0.0167	0.0131		mg/Kg		78	10 - 150
4,4'-DDE	0.0167	0.0139		mg/Kg		83	55 - 115
4,4'-DDT	0.0167	0.0135		mg/Kg		81	60 - 131
delta-BHC	0.0167	0.0138		mg/Kg		83	52 - 115
Dieldrin	0.0167	0.0134		mg/Kg		81	57 - 115
Endosulfan I	0.0167	0.0135		mg/Kg		81	56 - 115
Endosulfan II	0.0167	0.0134		mg/Kg		80	60 - 117
Endosulfan sulfate	0.0167	0.0129		mg/Kg		78	60 - 115
Endrin	0.0167	0.0139		mg/Kg		83	61 - 120
Endrin aldehyde	0.0167	0.0125		mg/Kg		75	54 - 115
Endrin ketone	0.0167	0.0131		mg/Kg		78	54 - 119

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 440-538437/2-A

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 538437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.0167	0.0130		mg/Kg		78	56 - 115
trans-Chlordane	0.0167	0.0137		mg/Kg		82	38 - 150
Heptachlor	0.0167	0.0127		mg/Kg		76	52 - 115
Heptachlor epoxide	0.0167	0.0134		mg/Kg		80	59 - 115
Methoxychlor	0.0167	0.0153		mg/Kg		92	60 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	90		21 - 117
Tetrachloro-m-xylene	69		28 - 115

Lab Sample ID: 440-237770-8 MS

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 538437

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		0.0178	0.0161		mg/Kg	☼	91	10 - 150
alpha-BHC	ND		0.0178	0.0177		mg/Kg	☼	100	12 - 125
cis-Chlordane	ND		0.0178	0.0163		mg/Kg	☼	92	10 - 150
beta-BHC	0.031		0.0178	0.0449		mg/Kg	☼	80	10 - 150
4,4'-DDD	0.044		0.0178	0.0591		mg/Kg	☼	87	10 - 150
2,4'-DDE	0.038		0.0178	0.0626		mg/Kg	☼	140	10 - 150
4,4'-DDE	0.055		0.0178	0.0781	E	mg/Kg	☼	129	10 - 150
4,4'-DDT	0.015		0.0178	0.0322		mg/Kg	☼	95	13 - 141
delta-BHC	ND		0.0178	0.0169		mg/Kg	☼	95	12 - 130
Dieldrin	ND		0.0178	0.0166		mg/Kg	☼	93	10 - 150
Endosulfan I	ND		0.0178	0.0172		mg/Kg	☼	97	10 - 150
Endosulfan II	ND		0.0178	0.0160		mg/Kg	☼	90	10 - 150
Endosulfan sulfate	ND		0.0178	0.0170		mg/Kg	☼	96	10 - 150
Endrin	ND		0.0178	0.0165		mg/Kg	☼	93	10 - 150
Endrin aldehyde	ND		0.0178	0.0157		mg/Kg	☼	88	10 - 131
Endrin ketone	ND		0.0178	0.0168		mg/Kg	☼	95	10 - 134
gamma-BHC (Lindane)	ND		0.0178	0.0156		mg/Kg	☼	88	20 - 119
trans-Chlordane	ND		0.0178	0.0178		mg/Kg	☼	100	10 - 150
Heptachlor	ND		0.0178	0.0178		mg/Kg	☼	100	10 - 150
Heptachlor epoxide	ND		0.0178	0.0167		mg/Kg	☼	94	10 - 150
Methoxychlor	ND		0.0178	0.0242		mg/Kg	☼	136	10 - 150

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	448	X	21 - 117
Tetrachloro-m-xylene	78		28 - 115

Lab Sample ID: 440-237770-8 MSD

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 538437

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Aldrin	ND		0.0178	0.0156		mg/Kg	☼	87	10 - 150	3	26
alpha-BHC	ND		0.0178	0.0175		mg/Kg	☼	99	12 - 125	1	18

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-237770-8 MSD

Matrix: Solid

Analysis Batch: 538646

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 538437

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
cis-Chlordane	ND		0.0178	0.0157		mg/Kg	*	88	10 - 150	3	40	
beta-BHC	0.031		0.0178	0.0446		mg/Kg	*	78	10 - 150	1	33	
4,4'-DDD	0.044		0.0178	0.0585		mg/Kg	*	83	10 - 150	1	26	
2,4'-DDE	0.038		0.0178	0.0613		mg/Kg	*	132	10 - 150	2	24	
4,4'-DDE	0.055		0.0178	0.0763	E	mg/Kg	*	119	10 - 150	2	40	
4,4'-DDT	0.015		0.0178	0.0316		mg/Kg	*	92	13 - 141	2	26	
delta-BHC	ND		0.0178	0.0165		mg/Kg	*	93	12 - 130	2	35	
Dieldrin	ND		0.0178	0.0162		mg/Kg	*	91	10 - 150	2	28	
Endosulfan I	ND		0.0178	0.0168		mg/Kg	*	94	10 - 150	3	32	
Endosulfan II	ND		0.0178	0.0154		mg/Kg	*	86	10 - 150	4	25	
Endosulfan sulfate	ND		0.0178	0.0165		mg/Kg	*	93	10 - 150	3	35	
Endrin	ND		0.0178	0.0161		mg/Kg	*	90	10 - 150	3	27	
Endrin aldehyde	ND		0.0178	0.0149		mg/Kg	*	84	10 - 131	5	33	
Endrin ketone	ND		0.0178	0.0162		mg/Kg	*	91	10 - 134	4	40	
gamma-BHC (Lindane)	ND		0.0178	0.0153		mg/Kg	*	86	20 - 119	2	24	
trans-Chlordane	ND		0.0178	0.0174		mg/Kg	*	98	10 - 150	2	36	
Heptachlor	ND		0.0178	0.0173		mg/Kg	*	97	10 - 150	3	28	
Heptachlor epoxide	ND		0.0178	0.0163		mg/Kg	*	91	10 - 150	3	25	
Methoxychlor	ND		0.0178	0.0219		mg/Kg	*	123	10 - 150	10	34	

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	443	X	21 - 117
Tetrachloro-m-xylene	77		28 - 115

Lab Sample ID: MB 440-539236/1-A

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 539236

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aldrin	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
alpha-BHC	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
cis-Chlordane	ND		0.0050	0.0020	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
beta-BHC	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
4,4'-DDD	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
2,4'-DDE	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
4,4'-DDE	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
4,4'-DDT	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
delta-BHC	ND		0.010	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Dieldrin	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endosulfan I	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endosulfan II	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endosulfan sulfate	ND		0.010	0.0020	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endrin	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endrin aldehyde	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Endrin ketone	ND		0.0050	0.0020	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
gamma-BHC (Lindane)	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
trans-Chlordane	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Heptachlor	ND		0.0050	0.0020	mg/Kg		04/09/19 13:31	04/10/19 16:10	1

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 440-539236/1-A

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 539236

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Heptachlor epoxide	ND		0.0050	0.0020	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Methoxychlor	ND		0.0050	0.0015	mg/Kg		04/09/19 13:31	04/10/19 16:10	1
Toxaphene	ND		0.20	0.050	mg/Kg		04/09/19 13:31	04/10/19 16:10	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	78		21 - 117	04/09/19 13:31	04/10/19 16:10	1
Tetrachloro-m-xylene	72		28 - 115	04/09/19 13:31	04/10/19 16:10	1

Lab Sample ID: LCS 440-539236/2-A

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 539236

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aldrin	0.0167	0.0138		mg/Kg		83	53 - 115
alpha-BHC	0.0167	0.0142		mg/Kg		85	57 - 115
cis-Chlordane	0.0167	0.0143		mg/Kg		86	56 - 115
beta-BHC	0.0167	0.0133		mg/Kg		80	58 - 115
4,4'-DDD	0.0167	0.0147		mg/Kg		88	59 - 118
2,4'-DDE	0.0167	0.0139		mg/Kg		83	10 - 150
4,4'-DDE	0.0167	0.0147		mg/Kg		88	55 - 115
4,4'-DDT	0.0167	0.0132		mg/Kg		79	60 - 131
delta-BHC	0.0167	0.0146		mg/Kg		88	52 - 115
Dieldrin	0.0167	0.0143		mg/Kg		86	57 - 115
Endosulfan I	0.0167	0.0142		mg/Kg		85	56 - 115
Endosulfan II	0.0167	0.0144		mg/Kg		86	60 - 117
Endosulfan sulfate	0.0167	0.0145		mg/Kg		87	60 - 115
Endrin	0.0167	0.0149		mg/Kg		89	61 - 120
Endrin aldehyde	0.0167	0.0134		mg/Kg		81	54 - 115
Endrin ketone	0.0167	0.0134		mg/Kg		80	54 - 119
gamma-BHC (Lindane)	0.0167	0.0129		mg/Kg		77	56 - 115
trans-Chlordane	0.0167	0.0142		mg/Kg		85	38 - 150
Heptachlor	0.0167	0.0137		mg/Kg		82	52 - 115
Heptachlor epoxide	0.0167	0.0142		mg/Kg		85	59 - 115
Methoxychlor	0.0167	0.0156		mg/Kg		94	60 - 133

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	83		21 - 117
Tetrachloro-m-xylene	77		28 - 115

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 539236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS	MS	Unit	D	%Rec	%Rec. Limits
				Result	Qualifier				
Aldrin	ND		0.0174	0.0146		mg/Kg	☼	84	10 - 150
alpha-BHC	ND		0.0174	0.0154		mg/Kg	☼	88	12 - 125
cis-Chlordane	ND		0.0174	0.0150		mg/Kg	☼	86	10 - 150
beta-BHC	0.0064		0.0174	0.0213		mg/Kg	☼	85	10 - 150

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 539236

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
4,4'-DDD	ND		0.0174	0.0213		mg/Kg	*	122	10 - 150	
2,4'-DDE	ND		0.0174	0.0166		mg/Kg	*	95	10 - 150	
4,4'-DDE	ND		0.0174	0.0164		mg/Kg	*	94	10 - 150	
4,4'-DDT	ND		0.0174	0.0154		mg/Kg	*	89	13 - 141	
delta-BHC	ND		0.0174	0.0156		mg/Kg	*	90	12 - 130	
Dieldrin	ND		0.0174	0.0153		mg/Kg	*	88	10 - 150	
Endosulfan I	ND		0.0174	0.0152		mg/Kg	*	87	10 - 150	
Endosulfan II	ND		0.0174	0.0154		mg/Kg	*	88	10 - 150	
Endosulfan sulfate	ND		0.0174	0.0157		mg/Kg	*	90	10 - 150	
Endrin	ND		0.0174	0.0167		mg/Kg	*	96	10 - 150	
Endrin aldehyde	ND		0.0174	0.0143		mg/Kg	*	82	10 - 131	
Endrin ketone	ND		0.0174	0.0144		mg/Kg	*	82	10 - 134	
gamma-BHC (Lindane)	ND		0.0174	0.0140		mg/Kg	*	80	20 - 119	
trans-Chlordane	ND		0.0174	0.0153		mg/Kg	*	88	10 - 150	
Heptachlor	ND		0.0174	0.0147		mg/Kg	*	84	10 - 150	
Heptachlor epoxide	ND		0.0174	0.0151		mg/Kg	*	87	10 - 150	
Methoxychlor	ND		0.0174	0.0176		mg/Kg	*	101	10 - 150	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	134	X	21 - 117
Tetrachloro-m-xylene	76		28 - 115

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 539476

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 539236

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Aldrin	ND		0.0176	0.0155		mg/Kg	*	88	10 - 150	6	26	
alpha-BHC	ND		0.0176	0.0162		mg/Kg	*	92	12 - 125	5	18	
cis-Chlordane	ND		0.0176	0.0159		mg/Kg	*	90	10 - 150	5	40	
beta-BHC	0.0064		0.0176	0.0224		mg/Kg	*	91	10 - 150	5	33	
4,4'-DDD	ND		0.0176	0.0223		mg/Kg	*	127	10 - 150	4	26	
2,4'-DDE	ND		0.0176	0.0174		mg/Kg	*	99	10 - 150	5	24	
4,4'-DDE	ND		0.0176	0.0172		mg/Kg	*	98	10 - 150	5	40	
4,4'-DDT	ND		0.0176	0.0159		mg/Kg	*	90	13 - 141	3	26	
delta-BHC	ND		0.0176	0.0166		mg/Kg	*	94	12 - 130	6	35	
Dieldrin	ND		0.0176	0.0162		mg/Kg	*	92	10 - 150	6	28	
Endosulfan I	ND		0.0176	0.0160		mg/Kg	*	91	10 - 150	5	32	
Endosulfan II	ND		0.0176	0.0161		mg/Kg	*	92	10 - 150	5	25	
Endosulfan sulfate	ND		0.0176	0.0164		mg/Kg	*	93	10 - 150	4	35	
Endrin	ND		0.0176	0.0176		mg/Kg	*	100	10 - 150	5	27	
Endrin aldehyde	ND		0.0176	0.0149		mg/Kg	*	85	10 - 131	4	33	
Endrin ketone	ND		0.0176	0.0150		mg/Kg	*	85	10 - 134	4	40	
gamma-BHC (Lindane)	ND		0.0176	0.0149		mg/Kg	*	84	20 - 119	6	24	
trans-Chlordane	ND		0.0176	0.0162		mg/Kg	*	92	10 - 150	6	36	
Heptachlor	ND		0.0176	0.0155		mg/Kg	*	88	10 - 150	5	28	
Heptachlor epoxide	ND		0.0176	0.0160		mg/Kg	*	91	10 - 150	6	25	
Methoxychlor	ND		0.0176	0.0186		mg/Kg	*	106	10 - 150	6	34	

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QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 440-237770-9 MSD
 Matrix: Solid
 Analysis Batch: 539476

Client Sample ID: ECA-CONFIRMATION
 Prep Type: Total/NA
 Prep Batch: 539236

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	139	X	21 - 117
Tetrachloro-m-xylene	79		28 - 115

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

Lab Sample ID: MB 440-538442/1-A
 Matrix: Solid
 Analysis Batch: 538649

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 538442

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aroclor 1016	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1221	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1232	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1242	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1248	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1254	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1
Aroclor 1260	ND		50	17	ug/Kg		04/04/19 13:42	04/05/19 14:21	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl (Surr)	98		45 - 120	04/04/19 13:42	04/05/19 14:21	1

Lab Sample ID: LCS 440-538442/2-A
 Matrix: Solid
 Analysis Batch: 538649

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 538442

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Aroclor 1016	267	254		ug/Kg		95	65 - 115
Aroclor 1260	267	259		ug/Kg		97	65 - 115

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	100		45 - 120

Lab Sample ID: 440-237770-8 MS
 Matrix: Solid
 Analysis Batch: 538649

Client Sample ID: ECA-COMPOSITE
 Prep Type: Total/NA
 Prep Batch: 538442

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
Aroclor 1016	ND	F1	284	419	F1	ug/Kg	☼	148	50 - 120
Aroclor 1260	ND		284	352		ug/Kg	☼	124	50 - 125

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl (Surr)	402	X	45 - 120

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237770-8 MSD

Matrix: Solid

Analysis Batch: 538649

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 538442

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aroclor 1016	ND	F1	284	405	F1	ug/Kg	⊛	142	50 - 120	3	30
Aroclor 1260	ND		284	334		ug/Kg	⊛	117	50 - 125	1	30
Surrogate		%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl (Surr)		395	X	45 - 120							

Lab Sample ID: MB 440-539063/1-A

Matrix: Solid

Analysis Batch: 539233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 539063

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier								
Aroclor 1016	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1221	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1232	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1242	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1248	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1254	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Aroclor 1260	ND		50	17	ug/Kg		04/09/19 05:55	04/09/19 17:13	1	
Surrogate		%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac		
DCB Decachlorobiphenyl (Surr)		89		45 - 120		04/09/19 05:55	04/09/19 17:13	1		

Lab Sample ID: LCS 440-539063/2-A

Matrix: Solid

Analysis Batch: 539233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 539063

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Aroclor 1016	267	227		ug/Kg		85	65 - 115
Aroclor 1260	267	234		ug/Kg		88	65 - 115
Surrogate		%Recovery	Qualifier	Limits			
DCB Decachlorobiphenyl (Surr)		93		45 - 120			

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 539233

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 539063

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Aroclor 1016	ND		281	329		ug/Kg	⊛	117	50 - 120
Aroclor 1260	ND		281	221		ug/Kg	⊛	79	50 - 125
Surrogate		%Recovery	Qualifier	Limits					
DCB Decachlorobiphenyl (Surr)		127	X	45 - 120					

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

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

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 539233

Client Sample ID: ECA-CONFIRMATION

Prep Type: Total/NA

Prep Batch: 539063

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aroclor 1016	ND		280	328		ug/Kg	⊛	117	50 - 120	0	30
Aroclor 1260	ND		280	226		ug/Kg	⊛	81	50 - 125	2	30
Surrogate	%Recovery	MSD Qualifier	Limits								
DCB Decachlorobiphenyl (Surr)	136	X	45 - 120								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 440-538273/1-A

Matrix: Solid

Analysis Batch: 538097

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Nitrate as N	ND		1.1	0.80	mg/Kg			04/04/19 00:25	1
Nitrite as N	ND		1.5	1.1	mg/Kg			04/04/19 00:25	1
Orthophosphate as P	ND		1.6	1.3	mg/Kg			04/04/19 00:25	1

Lab Sample ID: LCS 440-538273/2-A

Matrix: Solid

Analysis Batch: 538097

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Nitrate as N	11.3	11.3		mg/Kg		100	90 - 110
Nitrite as N	15.2	15.1		mg/Kg		99	90 - 110
Orthophosphate as P	16.3	15.9		mg/Kg		98	90 - 110

Lab Sample ID: 440-237770-8 MS

Matrix: Solid

Analysis Batch: 538097

Client Sample ID: ECA-COMPOSITE

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Nitrate as N	9.3		12.1	21.2		mg/Kg	⊛	99	80 - 120
Nitrite as N	ND	F1	16.3	20.7	F1	mg/Kg	⊛	127	80 - 120
Orthophosphate as P	ND		17.4	14.8		mg/Kg	⊛	85	80 - 120

Lab Sample ID: 440-237770-8 MSD

Matrix: Solid

Analysis Batch: 538097

Client Sample ID: ECA-COMPOSITE

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Nitrate as N	9.3		12.0	22.7		mg/Kg	⊛	112	80 - 120	7	20
Nitrite as N	ND	F1	16.1	21.1	F1	mg/Kg	⊛	131	80 - 120	2	20
Orthophosphate as P	ND		17.3	15.1		mg/Kg	⊛	87	80 - 120	2	20

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 440-538273/1-A
Matrix: Solid
Analysis Batch: 538098

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	4.0	mg/Kg			04/04/19 00:25	1
Fluoride	ND		5.0	3.5	mg/Kg			04/04/19 00:25	1
Sulfate	ND		5.0	4.0	mg/Kg			04/04/19 00:25	1

Lab Sample ID: LCS 440-538273/2-A
Matrix: Solid
Analysis Batch: 538098

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	47.1		mg/Kg		94	90 - 110
Fluoride	50.0	48.8		mg/Kg		98	90 - 110
Sulfate	50.0	48.0		mg/Kg		96	90 - 110

Lab Sample ID: 440-237770-8 MS
Matrix: Solid
Analysis Batch: 538098

Client Sample ID: ECA-COMPOSITE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	460	E	53.4	506	E 4	mg/Kg	✱	78	80 - 120
Fluoride	ND		53.4	50.3		mg/Kg	✱	94	80 - 120
Sulfate	310		53.4	345	4	mg/Kg	✱	73	80 - 120

Lab Sample ID: 440-237770-8 MSD
Matrix: Solid
Analysis Batch: 538098

Client Sample ID: ECA-COMPOSITE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	460	E	53.0	531	E 4	mg/Kg	✱	125	80 - 120	5	20
Fluoride	ND		53.0	51.2		mg/Kg	✱	97	80 - 120	2	20
Sulfate	310		53.0	375	4	mg/Kg	✱	130	80 - 120	8	20

Lab Sample ID: MB 440-538743/1-A
Matrix: Solid
Analysis Batch: 538608

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	ND		1.1	0.80	mg/Kg			04/06/19 01:31	1
Nitrite as N	ND		1.5	1.1	mg/Kg			04/06/19 01:31	1
Orthophosphate as P	ND		1.6	1.3	mg/Kg			04/06/19 01:31	1

Lab Sample ID: LCS 440-538743/2-A
Matrix: Solid
Analysis Batch: 538608

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	11.3	11.7		mg/Kg		104	90 - 110
Nitrite as N	15.2	15.4		mg/Kg		101	90 - 110
Orthophosphate as P	16.3	16.1		mg/Kg		98	90 - 110

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 538608

Client Sample ID: ECA-CONFIRMATION

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Nitrate as N	7.1		12.0	19.1		mg/Kg	☼	100		80 - 120
Nitrite as N	ND	F1	16.1	20.9	F1	mg/Kg	☼	129		80 - 120
Orthophosphate as P	1.4	J	17.3	16.2		mg/Kg	☼	85		80 - 120

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 538608

Client Sample ID: ECA-CONFIRMATION

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	Limit
Nitrate as N	7.1		12.0	19.3		mg/Kg	☼	102		80 - 120	1	20
Nitrite as N	ND	F1	16.1	21.2	F1	mg/Kg	☼	131		80 - 120	1	20
Orthophosphate as P	1.4	J	17.3	16.6		mg/Kg	☼	88		80 - 120	3	20

Lab Sample ID: MB 440-538743/1-A

Matrix: Solid

Analysis Batch: 538609

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	ND		5.0	4.0	mg/Kg			04/06/19 01:31	1
Fluoride	ND		5.0	3.5	mg/Kg			04/06/19 01:31	1
Sulfate	ND		5.0	4.0	mg/Kg			04/06/19 01:31	1

Lab Sample ID: LCS 440-538743/2-A

Matrix: Solid

Analysis Batch: 538609

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
Chloride	50.0	48.6		mg/Kg		97		90 - 110
Fluoride	50.0	49.9		mg/Kg		100		90 - 110
Sulfate	50.0	50.5		mg/Kg		101		90 - 110

Lab Sample ID: 440-237770-9 MS

Matrix: Solid

Analysis Batch: 538609

Client Sample ID: ECA-CONFIRMATION

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Chloride	270	E	53.0	340	E 4	mg/Kg	☼	122		80 - 120
Fluoride	ND		53.0	49.6		mg/Kg	☼	94		80 - 120
Sulfate	160	F1	53.0	199	F1	mg/Kg	☼	71		80 - 120

Lab Sample ID: 440-237770-9 MSD

Matrix: Solid

Analysis Batch: 538609

Client Sample ID: ECA-CONFIRMATION

Prep Type: Soluble

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						Limit	Limit
Chloride	270	E	53.0	335	E 4	mg/Kg	☼	114		80 - 120	1	20
Fluoride	ND		53.0	50.9		mg/Kg	☼	96		80 - 120	3	20
Sulfate	160	F1	53.0	192	F1	mg/Kg	☼	59		80 - 120	3	20

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 314.0 - Perchlorate (IC)

Lab Sample ID: MRL 440-539129/4
 Matrix: Solid
 Analysis Batch: 539129

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	1.00	ND		ug/L		91	75 - 125

Lab Sample ID: MB 440-539178/1-A
 Matrix: Solid
 Analysis Batch: 539129

Client Sample ID: Method Blank
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perchlorate	ND		0.040	0.0095	mg/Kg			04/09/19 22:45	1

Lab Sample ID: LCS 440-539178/2-A
 Matrix: Solid
 Analysis Batch: 539129

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.499	0.458		mg/Kg		92	85 - 115

Lab Sample ID: MRL 440-539178/11-A
 Matrix: Solid
 Analysis Batch: 539129

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	39.9	37.8	J	ug/L		95	75 - 125

Lab Sample ID: 440-237896-F-1-E MS
 Matrix: Solid
 Analysis Batch: 539129

Client Sample ID: Matrix Spike
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perchlorate	0.035	J F1	0.499	0.417	F1	mg/Kg		77	80 - 120

Lab Sample ID: 440-237896-F-1-F MSD
 Matrix: Solid
 Analysis Batch: 539129

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perchlorate	0.035	J F1	0.498	0.443		mg/Kg		82	80 - 120	6	15

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: MB 440-538446/1-A
 Matrix: Solid
 Analysis Batch: 538878

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 538446

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		04/04/19 14:10	04/09/19 02:38	3

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 7199 - Chromium, Hexavalent (IC) (Continued)

Lab Sample ID: LCS 440-538446/2-A
Matrix: Solid
Analysis Batch: 538878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 538446

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	40.0	32.0		mg/Kg		80	80 - 120

Lab Sample ID: 440-237770-8 MS
Matrix: Solid
Analysis Batch: 539360

Client Sample ID: ECA-COMPOSITE
Prep Type: Total/NA
Prep Batch: 538446

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	ND		42.9	48.5		mg/Kg	✱	113	75 - 125

Lab Sample ID: 440-237770-8 MSD
Matrix: Solid
Analysis Batch: 539360

Client Sample ID: ECA-COMPOSITE
Prep Type: Total/NA
Prep Batch: 538446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cr (VI)	ND		42.6	51.7		mg/Kg	✱	121	75 - 125	6	20

Lab Sample ID: 440-237770-8 MSI
Matrix: Solid
Analysis Batch: 539360

Client Sample ID: ECA-COMPOSITE
Prep Type: Total/NA
Prep Batch: 538446

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	ND		1310	1420		mg/Kg	✱	108	75 - 125

Lab Sample ID: MRL 440-539631/43
Matrix: Solid
Analysis Batch: 539631

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	1.00	0.865	J	ug/L		86	

Lab Sample ID: MRL 440-539631/62
Matrix: Solid
Analysis Batch: 539631

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	1.00	1.05	J	ug/L		105	

Lab Sample ID: MB 440-539898/1-A
Matrix: Solid
Analysis Batch: 539924

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539898

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cr (VI)	ND		0.30	0.15	mg/Kg		04/11/19 22:32	04/12/19 07:32	3

Lab Sample ID: LCS 440-539898/2-A
Matrix: Solid
Analysis Batch: 539631

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539898

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	40.0	38.4		mg/Kg		96	80 - 120

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 7199 - Chromium, Hexavalent (IC)

Lab Sample ID: 600-182993-B-13-A MS
Matrix: Solid
Analysis Batch: 539631

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 539898

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	0.12		47.1	56.1		mg/Kg	☼	119	75 - 125

Lab Sample ID: 600-182993-B-13-B MSD
Matrix: Solid
Analysis Batch: 539631

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 539898

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cr (VI)	0.12		46.9	60.1	F1	mg/Kg	☼	128	75 - 125	7	20

Lab Sample ID: 440-237896-F-1-H DU
Matrix: Solid
Analysis Batch: 539631

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 539898

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Cr (VI)	0.24	J	0.233	J	mg/Kg		3	

Lab Sample ID: MRL 440-539924/4
Matrix: Solid
Analysis Batch: 539924

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Cr (VI)	1.00	1.06	J	ug/L		106	

Method: 8290 - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-286467/1-A
Matrix: Solid
Analysis Batch: 287233

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 286467

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	ND		1.0	0.058	pg/g		04/05/19 16:34	04/09/19 16:55	1
2,3,7,8-TCDF	ND		1.0	0.028	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,7,8-PeCDD	ND		5.0	0.042	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,7,8-PeCDF	0.0998	J	5.0	0.033	pg/g		04/05/19 16:34	04/09/19 16:55	1
2,3,4,7,8-PeCDF	ND		5.0	0.033	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,4,7,8-HxCDD	0.121	J q	5.0	0.036	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,6,7,8-HxCDD	ND		5.0	0.033	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,7,8,9-HxCDD	ND		5.0	0.032	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,4,7,8-HxCDF	ND		5.0	0.050	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,6,7,8-HxCDF	0.0705	J q	5.0	0.048	pg/g		04/05/19 16:34	04/09/19 16:55	1
2,3,4,6,7,8-HxCDF	ND		5.0	0.049	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,7,8,9-HxCDF	0.772	J	5.0	0.052	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,4,6,7,8-HpCDD	0.150	J q	5.0	0.034	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,4,6,7,8-HpCDF	0.264	J	5.0	0.035	pg/g		04/05/19 16:34	04/09/19 16:55	1
1,2,3,4,7,8,9-HpCDF	0.456	J	5.0	0.041	pg/g		04/05/19 16:34	04/09/19 16:55	1
OCDD	2.69	J	10	0.033	pg/g		04/05/19 16:34	04/09/19 16:55	1
OCDF	0.222	J q	10	0.056	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total TCDD	ND		1.0	0.058	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total TCDF	ND		1.0	0.028	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total PeCDD	ND		5.0	0.042	pg/g		04/05/19 16:34	04/09/19 16:55	1

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8290 - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-286467/1-A

Matrix: Solid

Analysis Batch: 287233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 286467

Analyte	MB	MB	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total PeCDF	0.0998	J	5.0	0.033	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total HxCDD	0.121	J q	5.0	0.034	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total HxCDF	0.930	J q	5.0	0.050	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total HpCDD	0.340	J q	5.0	0.034	pg/g		04/05/19 16:34	04/09/19 16:55	1
Total HpCDF	0.829	J q	5.0	0.038	pg/g		04/05/19 16:34	04/09/19 16:55	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C-2,3,7,8-TCDD	70		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-2,3,7,8-TCDF	69		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,7,8-PeCDD	73		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,7,8-PeCDF	70		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,6,7,8-HxCDD	73		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,4,7,8-HxCDF	71		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,4,6,7,8-HpCDD	70		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-1,2,3,4,6,7,8-HpCDF	67		40 - 135	04/05/19 16:34	04/09/19 16:55	1
13C-OCDD	76		40 - 135	04/05/19 16:34	04/09/19 16:55	1

Lab Sample ID: LCS 320-286467/2-A

Matrix: Solid

Analysis Batch: 287233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 286467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.	Limits
2,3,7,8-TCDF	20.0	20.0		pg/g		100	56 - 158	
1,2,3,7,8-PeCDD	100	99.5		pg/g		99	70 - 122	
1,2,3,7,8-PeCDF	100	99.4		pg/g		99	69 - 134	
2,3,4,7,8-PeCDF	100	95.4		pg/g		95	70 - 131	
1,2,3,4,7,8-HxCDD	100	100		pg/g		100	60 - 138	
1,2,3,6,7,8-HxCDD	100	100		pg/g		100	68 - 136	
1,2,3,7,8,9-HxCDD	100	96.9		pg/g		97	68 - 138	
1,2,3,4,7,8-HxCDF	100	99.5		pg/g		100	74 - 128	
1,2,3,6,7,8-HxCDF	100	104		pg/g		104	67 - 140	
2,3,4,6,7,8-HxCDF	100	101		pg/g		101	71 - 137	
1,2,3,7,8,9-HxCDF	100	96.0		pg/g		96	72 - 134	
1,2,3,4,6,7,8-HpCDD	100	98.1		pg/g		98	71 - 128	
1,2,3,4,6,7,8-HpCDF	100	99.5		pg/g		100	71 - 134	
1,2,3,4,7,8,9-HpCDF	100	101		pg/g		101	68 - 129	
OCDD	200	195		pg/g		98	70 - 128	
OCDF	200	182		pg/g		91	63 - 141	

Isotope Dilution	LCS	LCS	Limits
	%Recovery	Qualifier	
13C-2,3,7,8-TCDD	70		40 - 135
13C-2,3,7,8-TCDF	72		40 - 135
13C-1,2,3,7,8-PeCDD	73		40 - 135
13C-1,2,3,7,8-PeCDF	72		40 - 135
13C-1,2,3,6,7,8-HxCDD	73		40 - 135
13C-1,2,3,4,7,8-HxCDF	74		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	71		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	66		40 - 135

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8290 - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-286467/2-A

Matrix: Solid

Analysis Batch: 287233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 286467

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C-OCDD	76		40 - 135

Lab Sample ID: LCSD 320-286467/3-A

Matrix: Solid

Analysis Batch: 287375

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 286467

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
2,3,7,8-TCDD	20.0	19.6		pg/g		98	60 - 138	1	20	
2,3,7,8-TCDF	20.0	19.3		pg/g		96	56 - 158	4	20	
1,2,3,7,8-PeCDD	100	99.7		pg/g		100	70 - 122	0	20	
1,2,3,7,8-PeCDF	100	102		pg/g		102	69 - 134	2	20	
2,3,4,7,8-PeCDF	100	99.1		pg/g		99	70 - 131	4	20	
1,2,3,4,7,8-HxCDD	100	105		pg/g		105	60 - 138	5	20	
1,2,3,6,7,8-HxCDD	100	101		pg/g		101	68 - 136	1	20	
1,2,3,7,8,9-HxCDD	100	105		pg/g		105	68 - 138	8	20	
1,2,3,4,7,8-HxCDF	100	97.8		pg/g		98	74 - 128	2	20	
1,2,3,6,7,8-HxCDF	100	91.5		pg/g		91	67 - 140	13	20	
2,3,4,6,7,8-HxCDF	100	95.8		pg/g		96	71 - 137	5	20	
1,2,3,7,8,9-HxCDF	100	97.7		pg/g		98	72 - 134	2	20	
1,2,3,4,6,7,8-HpCDD	100	101		pg/g		101	71 - 128	3	20	
1,2,3,4,6,7,8-HpCDF	100	101		pg/g		101	71 - 134	2	20	
1,2,3,4,7,8,9-HpCDF	100	99.9		pg/g		100	68 - 129	1	20	
OCDD	200	196		pg/g		98	70 - 128	0	20	
OCDF	200	199		pg/g		100	63 - 141	9	20	

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
13C-2,3,7,8-TCDD	71		40 - 135
13C-2,3,7,8-TCDF	77		40 - 135
13C-1,2,3,7,8-PeCDD	69		40 - 135
13C-1,2,3,7,8-PeCDF	74		40 - 135
13C-1,2,3,6,7,8-HxCDD	69		40 - 135
13C-1,2,3,4,7,8-HxCDF	79		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	83		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	85		40 - 135
13C-OCDD	79		40 - 135

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-539680/1-A ^5

Matrix: Solid

Analysis Batch: 539845

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 539680

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	ND		3.0	1.5	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Barium	ND		1.5	0.74	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Cadmium	ND		0.49	0.25	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Chromium	ND		0.99	0.49	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Iron	15.8		9.9	6.8	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Lead	ND		2.0	0.99	mg/Kg		04/11/19 08:42	04/11/19 16:25	5

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 440-539680/1-A ^5
Matrix: Solid
Analysis Batch: 539845

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 539680

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Magnesium	10.5		9.9	4.9	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Manganese	ND		2.0	0.99	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Selenium	ND		3.0	1.7	mg/Kg		04/11/19 08:42	04/11/19 16:25	5
Silver	ND		1.5	0.88	mg/Kg		04/11/19 08:42	04/11/19 16:25	5

Lab Sample ID: LCS 440-539680/2-A ^5
Matrix: Solid
Analysis Batch: 539845

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 539680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	49.8	49.9		mg/Kg		100	80 - 120
Cadmium	24.9	24.2		mg/Kg		97	80 - 120
Chromium	24.9	25.0		mg/Kg		101	80 - 120
Iron	498	518		mg/Kg		104	80 - 120
Lead	24.9	24.6		mg/Kg		99	80 - 120
Magnesium	99.5	102		mg/Kg		102	80 - 120
Manganese	99.5	99.7		mg/Kg		100	80 - 120
Selenium	49.8	47.4		mg/Kg		95	80 - 120
Silver	49.8	48.8		mg/Kg		98	80 - 120

Lab Sample ID: 440-236840-A-1-F MS ^5
Matrix: Solid
Analysis Batch: 539845

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 539680

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	180		49.5	245		mg/Kg		124	75 - 125
Cadmium	0.44	J	24.8	22.9		mg/Kg		91	75 - 125
Chromium	23		24.8	51.9		mg/Kg		119	75 - 125
Iron	25000	B	495	28300	4	mg/Kg		755	75 - 125
Lead	94	F1 F2	24.8	120		mg/Kg		107	75 - 125
Magnesium	8200	B	99.0	9620	4	mg/Kg		1426	75 - 125
Manganese	390	F1	99.0	526	F1	mg/Kg		139	75 - 125
Selenium	ND		49.5	42.4		mg/Kg		86	75 - 125
Silver	ND		49.5	47.5		mg/Kg		96	75 - 125

Lab Sample ID: 440-236840-A-1-G MSD ^5
Matrix: Solid
Analysis Batch: 539845

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 539680

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
Arsenic	4.4		49.3	47.3		mg/Kg		87	75 - 125	1	20
Barium	180		49.3	223		mg/Kg		79	75 - 125	10	20
Cadmium	0.44	J	24.6	22.4		mg/Kg		89	75 - 125	2	20
Chromium	23		24.6	49.4		mg/Kg		109	75 - 125	5	20
Iron	25000	B	493	28200	4	mg/Kg		736	75 - 125	0	20
Lead	94	F1 F2	24.6	96.0	F1 F2	mg/Kg		8	75 - 125	23	20
Magnesium	8200	B	98.5	9580	4	mg/Kg		1394	75 - 125	0	20

Eurofins TestAmerica, Irvine

QC Sample Results

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 440-236840-A-1-G MSD ^5

Matrix: Solid

Analysis Batch: 539845

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 539680

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Manganese	390	F1	98.5	525	F1	mg/Kg		139	75 - 125	0	20
Selenium	ND		49.3	42.2		mg/Kg		86	75 - 125	0	20
Silver	ND		49.3	46.4		mg/Kg		94	75 - 125	2	20

Lab Sample ID: MB 440-540118/1-A ^5

Matrix: Solid

Analysis Batch: 540307

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 540118

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Boron	ND		5.0	2.5	mg/Kg		04/14/19 08:02	04/14/19 16:00		5

Lab Sample ID: LCS 440-540118/2-A ^5

Matrix: Solid

Analysis Batch: 540307

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 540118

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Limits
Boron	249	217		mg/Kg		87	80 - 120

Lab Sample ID: 440-237770-8 MS

Matrix: Solid

Analysis Batch: 540307

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 540118

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier		Result	Qualifier				Limits
Boron	4.3	J	268	251		mg/Kg	☼	92	75 - 125

Lab Sample ID: 440-237770-8 MSD

Matrix: Solid

Analysis Batch: 540307

Client Sample ID: ECA-COMPOSITE

Prep Type: Total/NA

Prep Batch: 540118

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits		
Boron	4.3	J	267	256		mg/Kg	☼	94	75 - 125	2	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 440-539317/1-A

Matrix: Solid

Analysis Batch: 539520

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 539317

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
Mercury	ND		0.020	0.012	mg/Kg		04/09/19 19:35	04/10/19 03:38		1

Lab Sample ID: LCS 440-539317/2-A

Matrix: Solid

Analysis Batch: 539520

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 539317

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
							Limits
Mercury	0.800	0.747		mg/Kg		93	80 - 120

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: 440-238348-A-7-C MS
 Matrix: Solid
 Analysis Batch: 539520

Client Sample ID: Matrix Spike
 Prep Type: Total/NA
 Prep Batch: 539317

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.044		0.800	0.667		mg/Kg		78	75 - 125

Lab Sample ID: 440-238348-A-7-D MSD
 Matrix: Solid
 Analysis Batch: 539520

Client Sample ID: Matrix Spike Duplicate
 Prep Type: Total/NA
 Prep Batch: 539317

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Mercury	0.044		0.800	0.672		mg/Kg		78	75 - 125	1	20

Method: 9014 - Cyanide

Lab Sample ID: MB 440-539567/1-A
 Matrix: Solid
 Analysis Batch: 539624

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 539567

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.50	0.43	mg/Kg		04/10/19 17:34	04/10/19 22:46	1

Lab Sample ID: LCS 440-539567/2-A
 Matrix: Solid
 Analysis Batch: 539624

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 539567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	4.95	4.34		mg/Kg		88	80 - 120

Lab Sample ID: 440-237770-9 MS
 Matrix: Solid
 Analysis Batch: 539624

Client Sample ID: ECA-CONFIRMATION
 Prep Type: Total/NA
 Prep Batch: 539567

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	ND		5.26	5.46		mg/Kg	☼	104	70 - 115

Lab Sample ID: 440-237770-9 MSD
 Matrix: Solid
 Analysis Batch: 539624

Client Sample ID: ECA-CONFIRMATION
 Prep Type: Total/NA
 Prep Batch: 539567

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Cyanide, Total	ND		5.18	4.72		mg/Kg	☼	91	70 - 115	14	15

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 440-538963/1-A
 Matrix: Solid
 Analysis Batch: 539043

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 538963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	ND		40	20	mg/Kg		04/08/19 11:55	04/08/19 17:01	1

QC Sample Results

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 9034 - Sulfide, Acid soluble and Insoluble (Titrimetric) (Continued)

Lab Sample ID: LCS 440-538963/2-A
 Matrix: Solid
 Analysis Batch: 539043

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 538963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	87.0	79.1		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 440-538963/3-A
 Matrix: Solid
 Analysis Batch: 539043

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 538963

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfide	86.8	86.8		mg/Kg		100	80 - 120	9	20

Lab Sample ID: 440-237770-8 MS
 Matrix: Solid
 Analysis Batch: 539043

Client Sample ID: ECA-COMPOSITE
 Prep Type: Total/NA
 Prep Batch: 538963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide	ND	F1	92.4	58.8	F1	mg/Kg	☼	64	70 - 130

Lab Sample ID: 440-237770-8 MSD
 Matrix: Solid
 Analysis Batch: 539043

Client Sample ID: ECA-COMPOSITE
 Prep Type: Total/NA
 Prep Batch: 538963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Sulfide	ND	F1	93.3	50.9	F1	mg/Kg	☼	55	70 - 130	14	30

Method: 9045C - pH

Lab Sample ID: 440-237770-8 DU
 Matrix: Solid
 Analysis Batch: 539064

Client Sample ID: ECA-COMPOSITE
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
pH	9.6	HF	9.6		SU		0.1	2

Method: Moisture - Percent Moisture

Lab Sample ID: 440-237729-B-15 DU
 Matrix: Solid
 Analysis Batch: 538261

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	10		9.4		%		6	20

Lab Sample ID: 440-238100-A-21 DU
 Matrix: Solid
 Analysis Batch: 538976

Client Sample ID: Duplicate
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Percent Moisture	2.6		2.7		%		3	20

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

GC/MS VOA

Analysis Batch: 539287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8260B/5030B	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8260B/5030B	
MB 440-539287/5	Method Blank	Total/NA	Solid	8260B/5030B	
LCS 440-539287/6	Lab Control Sample	Total/NA	Solid	8260B/5030B	
440-238108-B-5 MS	Matrix Spike	Total/NA	Solid	8260B/5030B	
440-238108-B-5 MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B/5030B	

Analysis Batch: 539377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8 - RA	ECA-COMPOSITE	Total/NA	Solid	8260B/5030B	
440-237770-9 - RA	ECA-CONFIRMATION	Total/NA	Solid	8260B/5030B	
MB 440-539377/4	Method Blank	Total/NA	Solid	8260B/5030B	
LCS 440-539377/5	Lab Control Sample	Total/NA	Solid	8260B/5030B	
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	8260B/5030B	
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	8260B/5030B	

GC/MS Semi VOA

Prep Batch: 538554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3546	
440-237770-8 - RA	ECA-COMPOSITE	Total/NA	Solid	3546	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3546	
440-237770-9 - RA	ECA-CONFIRMATION	Total/NA	Solid	3546	
MB 440-538554/1-A	Method Blank	Total/NA	Solid	3546	
MB 440-538554/1-A - RA	Method Blank	Total/NA	Solid	3546	
LCS 440-538554/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	3546	
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	3546	

Analysis Batch: 538614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8270C	538554
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8270C	538554
MB 440-538554/1-A	Method Blank	Total/NA	Solid	8270C	538554
LCS 440-538554/2-A	Lab Control Sample	Total/NA	Solid	8270C	538554
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	8270C	538554
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	8270C	538554

Prep Batch: 538662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3546	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3546	
MB 440-538662/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-538662/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237593-A-11-C MS	Matrix Spike	Total/NA	Solid	3546	
440-237593-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 538682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8270C SIM	538662

Eurofins TestAmerica, Irvine

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

GC/MS Semi VOA (Continued)

Analysis Batch: 538682 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8270C SIM	538662
LCS 440-538662/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	538662
440-237593-A-11-C MS	Matrix Spike	Total/NA	Solid	8270C SIM	538662
440-237593-A-11-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270C SIM	538662

Analysis Batch: 538777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-538662/1-A	Method Blank	Total/NA	Solid	8270C SIM	538662

Analysis Batch: 538790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8 - RA	ECA-COMPOSITE	Total/NA	Solid	8270C	538554
440-237770-9 - RA	ECA-CONFIRMATION	Total/NA	Solid	8270C	538554
MB 440-538554/1-A - RA	Method Blank	Total/NA	Solid	8270C	538554

GC Semi VOA

Prep Batch: 538437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3546	
MB 440-538437/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-538437/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	3546	
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	3546	

Prep Batch: 538442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3546	
MB 440-538442/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-538442/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	3546	
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	3546	

Analysis Batch: 538642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8081A	538437

Analysis Batch: 538646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8081A	538437
MB 440-538437/1-A	Method Blank	Total/NA	Solid	8081A	538437
LCS 440-538437/2-A	Lab Control Sample	Total/NA	Solid	8081A	538437
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	8081A	538437
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	8081A	538437

Analysis Batch: 538649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8082	538442
MB 440-538442/1-A	Method Blank	Total/NA	Solid	8082	538442
LCS 440-538442/2-A	Lab Control Sample	Total/NA	Solid	8082	538442
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	8082	538442

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QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

GC Semi VOA (Continued)

Analysis Batch: 538649 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	8082	538442

Prep Batch: 539063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3546	
MB 440-539063/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-539063/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	3546	
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	3546	

Analysis Batch: 539233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8082	539063
MB 440-539063/1-A	Method Blank	Total/NA	Solid	8082	539063
LCS 440-539063/2-A	Lab Control Sample	Total/NA	Solid	8082	539063
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	8082	539063
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	8082	539063

Prep Batch: 539236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3546	
MB 440-539236/1-A	Method Blank	Total/NA	Solid	3546	
LCS 440-539236/2-A	Lab Control Sample	Total/NA	Solid	3546	
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	3546	
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	3546	

Analysis Batch: 539476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8081A	539236
MB 440-539236/1-A	Method Blank	Total/NA	Solid	8081A	539236
LCS 440-539236/2-A	Lab Control Sample	Total/NA	Solid	8081A	539236
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	8081A	539236
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	8081A	539236

HPLC/IC

Analysis Batch: 538097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	300.0	538273
MB 440-538273/1-A	Method Blank	Soluble	Solid	300.0	538273
LCS 440-538273/2-A	Lab Control Sample	Soluble	Solid	300.0	538273
440-237770-8 MS	ECA-COMPOSITE	Soluble	Solid	300.0	538273
440-237770-8 MSD	ECA-COMPOSITE	Soluble	Solid	300.0	538273

Analysis Batch: 538098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	300.0	538273
440-237770-8 - DL	ECA-COMPOSITE	Soluble	Solid	300.0	538273
MB 440-538273/1-A	Method Blank	Soluble	Solid	300.0	538273
LCS 440-538273/2-A	Lab Control Sample	Soluble	Solid	300.0	538273
440-237770-8 MS	ECA-COMPOSITE	Soluble	Solid	300.0	538273

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

HPLC/IC (Continued)

Analysis Batch: 538098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8 MSD	ECA-COMPOSITE	Soluble	Solid	300.0	538273

Leach Batch: 538273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	DI Leach	
440-237770-8 - DL	ECA-COMPOSITE	Soluble	Solid	DI Leach	
MB 440-538273/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 440-538273/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
440-237770-8 MS	ECA-COMPOSITE	Soluble	Solid	DI Leach	
440-237770-8 MSD	ECA-COMPOSITE	Soluble	Solid	DI Leach	

Prep Batch: 538446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3060A	
MB 440-538446/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 440-538446/2-A	Lab Control Sample	Total/NA	Solid	3060A	
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	3060A	
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	3060A	
440-237770-8 MSI	ECA-COMPOSITE	Total/NA	Solid	3060A	

Analysis Batch: 538608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	300.0	538743
MB 440-538743/1-A	Method Blank	Soluble	Solid	300.0	538743
LCS 440-538743/2-A	Lab Control Sample	Soluble	Solid	300.0	538743
440-237770-9 MS	ECA-CONFIRMATION	Soluble	Solid	300.0	538743
440-237770-9 MSD	ECA-CONFIRMATION	Soluble	Solid	300.0	538743

Analysis Batch: 538609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	300.0	538743
440-237770-9 - DL	ECA-CONFIRMATION	Soluble	Solid	300.0	538743
MB 440-538743/1-A	Method Blank	Soluble	Solid	300.0	538743
LCS 440-538743/2-A	Lab Control Sample	Soluble	Solid	300.0	538743
440-237770-9 MS	ECA-CONFIRMATION	Soluble	Solid	300.0	538743
440-237770-9 MSD	ECA-CONFIRMATION	Soluble	Solid	300.0	538743

Leach Batch: 538743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	DI Leach	
440-237770-9 - DL	ECA-CONFIRMATION	Soluble	Solid	DI Leach	
MB 440-538743/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 440-538743/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
440-237770-9 MS	ECA-CONFIRMATION	Soluble	Solid	DI Leach	
440-237770-9 MSD	ECA-CONFIRMATION	Soluble	Solid	DI Leach	

Analysis Batch: 538878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-538446/1-A	Method Blank	Total/NA	Solid	7199	538446
LCS 440-538446/2-A	Lab Control Sample	Total/NA	Solid	7199	538446

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

HPLC/IC

Analysis Batch: 539129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	314.0	539178
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	314.0	539178
MB 440-539178/1-A	Method Blank	Soluble	Solid	314.0	539178
LCS 440-539178/2-A	Lab Control Sample	Soluble	Solid	314.0	539178
MRL 440-539129/4	Lab Control Sample	Total/NA	Solid	314.0	
MRL 440-539178/11-A	Lab Control Sample	Soluble	Solid	314.0	539178
440-237896-F-1-E MS	Matrix Spike	Soluble	Solid	314.0	539178
440-237896-F-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	314.0	539178

Leach Batch: 539178

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	DI Leach	
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	DI Leach	
MB 440-539178/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 440-539178/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
MRL 440-539178/11-A	Lab Control Sample	Soluble	Solid	DI Leach	
440-237896-F-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
440-237896-F-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 539360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	7199	538446
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	7199	538446
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	7199	538446
440-237770-8 MSI	ECA-COMPOSITE	Total/NA	Solid	7199	538446

Analysis Batch: 539631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	7199	539898
LCS 440-539898/2-A	Lab Control Sample	Total/NA	Solid	7199	539898
MRL 440-539631/43	Lab Control Sample	Total/NA	Solid	7199	
MRL 440-539631/62	Lab Control Sample	Total/NA	Solid	7199	
600-182993-B-13-A MS	Matrix Spike	Total/NA	Solid	7199	539898
600-182993-B-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	7199	539898
440-237896-F-1-H DU	Duplicate	Total/NA	Solid	7199	539898

Prep Batch: 539898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3060A	
MB 440-539898/1-A	Method Blank	Total/NA	Solid	3060A	
LCS 440-539898/2-A	Lab Control Sample	Total/NA	Solid	3060A	
600-182993-B-13-A MS	Matrix Spike	Total/NA	Solid	3060A	
600-182993-B-13-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3060A	
440-237896-F-1-H DU	Duplicate	Total/NA	Solid	3060A	

Analysis Batch: 539924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-539898/1-A	Method Blank	Total/NA	Solid	7199	539898
MRL 440-539924/4	Lab Control Sample	Total/NA	Solid	7199	

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Specialty Organics

Prep Batch: 286467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8290	
440-237770-8 - RA	ECA-COMPOSITE	Total/NA	Solid	8290	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8290	
440-237770-9 - RA	ECA-CONFIRMATION	Total/NA	Solid	8290	
MB 320-286467/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-286467/2-A	Lab Control Sample	Total/NA	Solid	8290	
LCSD 320-286467/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	

Analysis Batch: 287233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	8290	286467
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	8290	286467
MB 320-286467/1-A	Method Blank	Total/NA	Solid	8290	286467
LCS 320-286467/2-A	Lab Control Sample	Total/NA	Solid	8290	286467

Analysis Batch: 287375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 320-286467/3-A	Lab Control Sample Dup	Total/NA	Solid	8290	286467

Analysis Batch: 288472

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8 - RA	ECA-COMPOSITE	Total/NA	Solid	8290	286467
440-237770-9 - RA	ECA-CONFIRMATION	Total/NA	Solid	8290	286467

Metals

Prep Batch: 539317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	7471A	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	7471A	
MB 440-539317/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 440-539317/2-A	Lab Control Sample	Total/NA	Solid	7471A	
440-238348-A-7-C MS	Matrix Spike	Total/NA	Solid	7471A	
440-238348-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	

Analysis Batch: 539520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	7471A	539317
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	7471A	539317
MB 440-539317/1-A	Method Blank	Total/NA	Solid	7471A	539317
LCS 440-539317/2-A	Lab Control Sample	Total/NA	Solid	7471A	539317
440-238348-A-7-C MS	Matrix Spike	Total/NA	Solid	7471A	539317
440-238348-A-7-D MSD	Matrix Spike Duplicate	Total/NA	Solid	7471A	539317

Prep Batch: 539680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3050B	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3050B	
MB 440-539680/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-539680/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-236840-A-1-F MS ^5	Matrix Spike	Total/NA	Solid	3050B	

Eurofins TestAmerica, Irvine

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Metals (Continued)

Prep Batch: 539680 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-236840-A-1-G MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 539845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	6010B	539680
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	6010B	539680
MB 440-539680/1-A ^5	Method Blank	Total/NA	Solid	6010B	539680
LCS 440-539680/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	539680
440-236840-A-1-F MS ^5	Matrix Spike	Total/NA	Solid	6010B	539680
440-236840-A-1-G MSD ^5	Matrix Spike Duplicate	Total/NA	Solid	6010B	539680

Prep Batch: 540118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	3050B	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	3050B	
MB 440-540118/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 440-540118/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	3050B	
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	3050B	

Analysis Batch: 540307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	6010B	540118
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	6010B	540118
MB 440-540118/1-A ^5	Method Blank	Total/NA	Solid	6010B	540118
LCS 440-540118/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	540118
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	6010B	540118
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	6010B	540118

General Chemistry

Analysis Batch: 538261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	Moisture	
440-237729-B-15 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 538650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	7.1.2	

Leach Batch: 538824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	DI Leach	
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	DI Leach	
440-237770-8 DU	ECA-COMPOSITE	Soluble	Solid	DI Leach	

Prep Batch: 538963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	9030B	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	9030B	
MB 440-538963/1-A	Method Blank	Total/NA	Solid	9030B	

Eurofins TestAmerica, Irvine

QC Association Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

General Chemistry (Continued)

Prep Batch: 538963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 440-538963/2-A	Lab Control Sample	Total/NA	Solid	9030B	
LCSD 440-538963/3-A	Lab Control Sample Dup	Total/NA	Solid	9030B	
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	9030B	
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	9030B	

Analysis Batch: 538976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	Moisture	
440-238100-A-21 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 539043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	9034	538963
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	9034	538963
MB 440-538963/1-A	Method Blank	Total/NA	Solid	9034	538963
LCS 440-538963/2-A	Lab Control Sample	Total/NA	Solid	9034	538963
LCSD 440-538963/3-A	Lab Control Sample Dup	Total/NA	Solid	9034	538963
440-237770-8 MS	ECA-COMPOSITE	Total/NA	Solid	9034	538963
440-237770-8 MSD	ECA-COMPOSITE	Total/NA	Solid	9034	538963

Analysis Batch: 539064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Soluble	Solid	9045C	538824
440-237770-9	ECA-CONFIRMATION	Soluble	Solid	9045C	538824
440-237770-8 DU	ECA-COMPOSITE	Soluble	Solid	9045C	538824

Prep Batch: 539567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	9010B	
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	9010B	
MB 440-539567/1-A	Method Blank	Total/NA	Solid	9010B	
LCS 440-539567/2-A	Lab Control Sample	Total/NA	Solid	9010B	
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	9010B	
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	9010B	

Analysis Batch: 539624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-237770-8	ECA-COMPOSITE	Total/NA	Solid	9014	539567
440-237770-9	ECA-CONFIRMATION	Total/NA	Solid	9014	539567
MB 440-539567/1-A	Method Blank	Total/NA	Solid	9014	539567
LCS 440-539567/2-A	Lab Control Sample	Total/NA	Solid	9014	539567
440-237770-9 MS	ECA-CONFIRMATION	Total/NA	Solid	9014	539567
440-237770-9 MSD	ECA-CONFIRMATION	Total/NA	Solid	9014	539567

Definitions/Glossary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
X	Surrogate is outside control limits

HPLC/IC

Qualifier	Qualifier Description
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.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

Metals

Qualifier	Qualifier Description
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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Definitions/Glossary

Client: Ramboll US Corporation
Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
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 (Radiochemistry)
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)

Accreditation/Certification Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Laboratory: Eurofins TestAmerica, Irvine

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska	State Program	10	CA01531	06-30-19
Arizona	State Program	9	AZ0671	10-14-19
California	LA Cty Sanitation Districts	9	10256	06-30-19
California	State Program	9	CA ELAP 2706	06-30-19
Guam	State Program	9	Cert. No. 19-005R	01-23-20
Hawaii	State Program	9	N/A	01-29-20
Kansas	NELAP	7	E-10420	07-31-19
Nevada	State Program	9	CA015312018-1	07-31-19
New Mexico	State Program	6	N/A	01-29-20
Oregon	NELAP	10	4028	01-29-20
US Fish & Wildlife	Federal		058448	07-31-19
USDA	Federal		P330-18-00214	07-09-21
Washington	State Program	10	C900	09-03-19

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
ANAB	DoD / DOE		L2468	01-20-21
Arizona	State Program	9	AZ0708	08-11-19
Arkansas DEQ	State Program	6	88-0691	06-17-19
California	State Program	9	2897	01-31-20
Colorado	State Program	8	CA00044	08-31-19
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-19
Georgia	State Program	4	N/A	01-28-19 *
Hawaii	State Program	9	N/A	01-29-20
Illinois	NELAP	5	200060	03-17-19 *
Kansas	NELAP	7	E-10375	10-31-19
Louisiana	NELAP	6	30612	06-30-19
Maine	State Program	1	CA0004	04-14-20
Michigan	State Program	5	9947	01-31-20
Nevada	State Program	9	CA00044	07-31-19
New Hampshire	NELAP	1	2997	04-18-19
New Jersey	NELAP	2	CA005	06-30-19
New York	NELAP	2	11666	04-01-20
Oregon	NELAP	10	4040	01-29-20
Pennsylvania	NELAP	3	68-01272	03-31-20
Texas	NELAP	6	T104704399	05-31-19
US Fish & Wildlife	Federal		LE148388-0	07-31-19
USDA	Federal		P330-18-00239	01-17-21
USEPA UCMR	Federal	1	CA00044	12-31-20
Utah	NELAP	8	CA00044	02-29-20
Vermont	State Program	1	VT-4040	04-30-19
Virginia	NELAP	3	460278	03-14-20 *
Washington	State Program	10	C581	05-05-19
West Virginia (DW)	State Program	3	9930C	12-31-19
Wyoming	State Program	8	8TMS-L	01-28-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins TestAmerica, Irvine



17461 Derian Ave Suite 100 Irvine, CA 92614-5817 Phone (949) 261-1022 Fax (949) 260-3297

Client Information (Sub Contract Lab) Shipping/Receiving

Company: EMLab P&K Address: 4955 Yarrow Street, City: Arvada State zip: CO, 80002 Phone: Project Name: NERT Dioxin Impacted soil Site: Project #: 44022255

Sampler: Lab P/N: Mata, Pally E-Mail: pally.mata@testamericainc.com Accreditations Required (See note):

Carrier Tracking No(s): State of Origin: Nevada

COC No: 440-136515-1 Page: 1 of 1

Job #: 440-237770-1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - NaOH G - Ammonia H - Acetic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - AlNaO2 P - Na2SO4 Q - Na2S2O3 R - Na2S2O5 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MeOH W - pH 4.5 Z - other (specify) Other:

Analysis Requested

Table with columns: Sample Date, Sample Time, Sample Type, Matrix, Field Filtered Sample (Yes or No), Perform MS/MSD (Yes or No), SUB (Asbestos PLM, soil)/ Asbestos PLM, soil, Total Number of containers. Rows include ECA-COMPOSITE (440-237770-8) and ECA-CONFIRMATION (440-237770-9).

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyze & accreditation compliance upon out subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/submitting being analyzed, the samples must be shipped back to the TestAmerica laboratory or other institutions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months

Empty Kit Relinquished by: Date/Time: 4/19/17 CO, 80002 Company: TA IRV Received by: Date/Time: 4/8/15 930 Company: Malchuk Company: Relinquished by: Date/Time: Received by: Date/Time: Cooler Temperature(s) °C and Other Remarks:

Custody Seals Intact: Custody Seal No.: A Yes A No





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- 16

Report for:

Patty Mata
TestAmerica-Irvine
 17461 Derian Ave.
 Suite 100
 Irvine, CA 92614

Regarding: Project: 440-237770-1; NERT Dioxin Impacted Soil
 EML ID: 2133739

Approved by:

Dates of Analysis:
 Asbestos PLM: 04-11-2019



Approved Signatory
 Amin Suliman

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: TestAmerica-Irvine
 C/O: Patty Mata
 Re: 440-237770-1; NERT Dioxin Impacted Soil

Date of Sampling: 04-01-2019
 Date of Receipt: 04-08-2019
 Date of Report: 04-11-2019

ASBESTOS PLM REPORT

Total Samples Submitted: 2
Total Samples Analyzed: 2
Total Samples with Layer Asbestos Content > 1%: 0

Location: ECA-COMPOSITE (440-237770-8)

Lab ID-Version‡: 10111507-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Poor	

Comments: Due to the nature of a soil/rock sample, making proper slide mounts was not possible. It is recommended that the sample be analyzed using the CARB 435 method.

Location: ECA-CONFIRMATION (440-237770-9)

Lab ID-Version‡: 10111508-1

Sample Layers	Asbestos Content
Brown Soil	ND
Sample Composite Homogeneity: Poor	

Comments: Due to the nature of a soil/rock sample, making proper slide mounts was not possible. It is recommended that the sample be analyzed using the CARB 435 method.

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

TestAmerica Irvine
 17401 Derian Avenue
 Irvine, CA 92614-5843
 phone: 949.261.1022 fax: 949.260.3298

Chain of Custody

TestAmerica
 Las Vegas
 219

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Programs: DWR DPHDES DCHA Other:

Client Contact: Ramboll Environ
 2200 Powell Street, Suite 700
 Emeryville, CA 94608
 (510) 655-7400

Project Name: RI Phase 3 - Soil Sampling
 Sitar: NERT - Henderson, NV
 PO # 1600004968

Project Manager: Fess-Russell/Geog-Kinsall
 Tel/Fax: 614-579-3330 **DAV CLARK**

Site Contact: Greg Kinsall
 Lab Contact: Polly Niska

Date: 4/2/19
 Carrier: **EXP EX**

COC No: **1 of 1** COCs

Sampler: **HERCULES RENTALS**

For Lab Use Only:
 Walk-In Client:
 Lab Sampling:

Job/SDG No.:

Sample Specific Notes:
LAB cancelled 4/4/19
PLEASE CONTACT
GREG KINSALL
614-579-3330

Sample Identification

Sample Date	Sample Type (C-Conn, G-Bulk)	Sample Weight	# of Containers
4/3/19 08:50	6	5	2
4/3/19 12:30	6	5	2

Preservation Used: 1- Ice, 2- HCE 3- FESOL; 4- H2O2; 5- H2O2/ H2O; 6- H2O2/ H2O/ H2O2

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

Comments Section:
 Non-Hazard Flammable Corrosive Volatile Toxic Other

Special Instructions/QC Requirements & Comments:

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

Return to Client: Retained for: Months

Custody Seals Intact: Yes No

Relinquished by: **RAM**
 Relinquished by: **RAM**
 Relinquished by: **RAM**

Company: **RAM**
 Company: **RAM**
 Company: **RAM**

Date/Time: 4/2/19 08:50
 Date/Time: 4/2/19 12:30
 Date/Time: 4/2/19 16:00

Received by: **RAM**
 Received by: **RAM**
 Received by: **RAM**

Company: **RAM**
 Company: **RAM**
 Company: **RAM**

Therm ID No.:

Form No. CA-C-WI-002, Rev. 4.10, dated 1/17/2016



17/19
 29

2.6/21 IR-94
 TH: 41766 5686 9701
 CAS

IR-6 168
 TALS IR-67



Eurofins TestAmerica, Irvine

17461 Derian Ave Suite 100
Irvine, CA 92614-5817

Phone (949) 261-1022 Fax (949) 260-3297

Chain of Custody Record



Environment Testing
TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab P/N:	Carrier Tracking No(s)	COG No:
Shipping/Receiving	Phone:	Mata, Patty	Nevada	440-136570-1
Company: TestAmerica Laboratories, Inc.		E-Mail: patty.mata@testamericainc.com		Page: Page 1 of 1
Address: 880 Riverside Parkway, West Sacramento CA, 95605	Due Date Requested: 4/12/2019	Accreditations Required (See note):	Job #: 440-237770-1	Preservation Codes:
City: West Sacramento	TAT Requested (days):	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA M - Hexane N - None O - Acetic Acid P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)		
State, Zip: CA, 95605	PO #:	Other: W - pH 4.5 Z - other (specify)		
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	MO #:			
Email:	Project #:			
	44022255			
Project Name: NERT Dioxin impacted soil	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Metal, Semi-Metal, Organic, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total TEQ/ Total TEQ Calculation	Total Number of containers	Special Instructions/Note:
ECA-COMPOSITE (440-237770-8)	4/1/19	10:10 Pacific		Solid				1	Isolate glassware/Screen samples. Extract 1g
ECA-CONFIRMATION (440-237770-9)	4/1/19	10:15 Pacific		Solid				1	Isolate glassware/Screen samples. Extract 1g

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification

Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2

Special Instructions/QC Requirements: _____

Empty Kit Relinquished by: _____ Date: _____ Time: _____ Method of Shipment: _____

Relinquished by: *P. Kennedy* Date/Time: *4/11/19 1700* Company: *TA IRV*

Relinquished by: _____ Date/Time: _____ Company: _____

Received by: *[Signature]* Date/Time: *5 Apr. 19 0930* Company: *TA J SW*

Custody Seals Intact: Yes No

Custody Seal No.: _____

Cooler Temperature(s) °C and Other Remarks: *0.4°C*

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-237770-1

Login Number: 237770

List Source: Eurofins TestAmerica, Irvine

List Number: 1

Creator: Escalante, Maria I

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	Not Present
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ramboll US Corporation

Job Number: 440-237770-1

Login Number: 237770

List Number: 2

Creator: Darlington, Jennifer M

List Source: Eurofins TestAmerica, Sacramento

List Creation: 04/05/19 02:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	0.4C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Isotope Dilution Summary

Client: Ramboll US Corporation
 Project/Site: NERT Dioxin impacted soil

Job ID: 440-237770-1

Method: 8290 - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF (40-135)	HxDD (40-135)	HxCDF (40-135)	HpCDD (40-135)	HpCDF (40-135)
440-237770-8	ECA-COMPOSITE	64	63	65	64	68	69	65	65
440-237770-8 - RA	ECA-COMPOSITE		66						
440-237770-9	ECA-CONFIRMATION	65	68	71	69	69	71	63	59
440-237770-9 - RA	ECA-CONFIRMATION		65						
LCS 320-286467/2-A	Lab Control Sample	70	72	73	72	73	74	71	66
LCSD 320-286467/3-A	Lab Control Sample Dup	71	77	69	74	69	79	83	85
MB 320-286467/1-A	Method Blank	70	69	73	70	73	71	70	67

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OCDD (40-135)
440-237770-8	ECA-COMPOSITE	70
440-237770-8 - RA	ECA-COMPOSITE	
440-237770-9	ECA-CONFIRMATION	64
440-237770-9 - RA	ECA-CONFIRMATION	
LCS 320-286467/2-A	Lab Control Sample	76
LCSD 320-286467/3-A	Lab Control Sample Dup	79
MB 320-286467/1-A	Method Blank	76

Surrogate Legend

- TCDD = 13C-2,3,7,8-TCDD
- TCDF = 13C-2,3,7,8-TCDF
- PeCDD = 13C-1,2,3,7,8-PeCDD
- PeCDF = 13C-1,2,3,7,8-PeCDF
- HxDD = 13C-1,2,3,6,7,8-HxCDD
- HxCDF = 13C-1,2,3,4,7,8-HxCDF
- HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
- HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
- OCDD = 13C-OCDD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



440-237770 Field Sheet

Job: _____

Tracking # 4538 3730 4188 SO/PO/FO/2-Day/SAT/ Ground / UPS / Courier /
Drop Off / GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Notes: _____	<p>Therm. ID: AK-2 / AK-3 / AK-5 / <u>AK-7</u> / HACCP / Other _____ <small>(-1.0°C)</small></p> <p>Ice <input checked="" type="checkbox"/> Wet <input checked="" type="checkbox"/> Gel _____ Other _____</p> <p>Cooler Custody Seal: _____</p> <p>Sample Custody Seal: _____</p> <p>Cooler ID: _____</p> <p>Temp: Observed <u>0.4°C</u> Corrected <u>0.4°C</u></p> <p>From: Temp Blank <input checked="" type="checkbox"/> Sample <input type="checkbox"/></p> <p>NCM Filed: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="border: none;"></th> <th style="border: none; text-align: center;">Yes</th> <th style="border: none; text-align: center;">No</th> <th style="border: none; text-align: center;">NA</th> </tr> </thead> <tbody> <tr> <td style="border: none;">Perchlorate has headspace(1/3 bottle¹)?</td> <td style="border: none; text-align: center;"><input type="checkbox"/></td> <td style="border: none; text-align: center;"><input type="checkbox"/></td> <td style="border: none; 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**ATTACHMENT B
PHOTOGRAPHIC LOG OF EXCAVATION ACTIVITIES**



Photo 1: April 1, 2019, first day of excavation activities. Triangular ECA area excavated into bins. Start of excavation of Non-ECA area. Backfill material in background. View to west.



Photo 2: April 2, 2019. Excavation of southwest portion of non-ECA area. View to southwest.



Site Photographs
Dioxin Soil Remediation Area
Nevada Environmental Response Trust Site
April 2019



Photo 3: April 4, 2019. Excavation of the southwest and central portions of the non-ECA area. View to west.



Photo 4: April 15, 2019. Excavation and removal of soil from the southwest portion of the non-ECA area. View to southwest.



Site Photographs
Dioxin Soil Remediation Area
Nevada Environmental Response Trust Site
April 2019



Photo 5: April 15, 2019. Excavation and removal of soil from the southwest portion of the non-ECA area. View to north.



Photo 6: April 16, 2019. Excavation of the central portion of the non-ECA area. North at top of image.



Site Photographs
Dioxin Soil Remediation Area
Nevada Environmental Response Trust Site
April 2019



Photo 7: April 17, 2019. Excavation in central and northeastern portions of non-ECA area. The triangular ECA area (at right) has been backfilled and compacted.



Photo 8: April 18, 2019. Excavation of non-ECA area nearing completion. View to southwest.



Photo 9: April 20, 2019. Backfilling and compaction of the non-ECA excavation area.



Photo 10: April 24, 2019. Project site at completion of backfilling and restoration. View to south.



Site Photographs
Dioxin Soil Remediation Area
Nevada Environmental Response Trust Site
April 2019



ATTACHMENT C
CLARK COUNTY DUST CONTROL OPERATING PERMIT



Department of Air Quality
 4701 W. Russell Rd. Suite 200 2nd Floor
 Las Vegas, NV 89118
 Main Number: (702)455-5942
 Fax Number: (702)383-9994

Dust Control Operating Permit (DCOP) For Construction Activities

This permit does not exempt the permittee from compliance with the Endangered Species Act

Permit #: 50392 - Revision #0
Permittee: Earth Resource Group
Project: NERT
Project Address: 510 Fourth St., Henderson
Cross Streets: W. Lake Mead Pkwy/N. Water St. NW
Effective Date: 3/4/2019
Expiration Date: 3/4/2020
Revision Date:
Project Acreage: 2.5
Area: ESE - East/Southeast

Notes/Additional Permit Conditions

Onsite Project Manager:

Name: Steve Fanell
 Company: Earth Resource Group
 Phone Number: 702.822.0583

Responsible Official:

Name: PJ Wicks
 Company: Earth Resource Group
 Phone Number: 702.749.7560
 Cell Number: 702.596.3239

Dust control measures must occur 24 hours a day, 7 days a week.

This permit is not valid until all fees are paid in full and a complete copy of the permit with conditions and the dust mitigation plan is posted on the project site.

It is a condition of the issuance of any operating permit required by the commission or pursuant to any local ordinance for the control of air pollution that the holder of the operating permit agrees to permit inspection of the premises to which the permit relates by any authorized officer of the department at any time during the holder's hours of operation without prior notice. This condition must be stated on each application form and operating permit. NRS 445B.580.

The issuance of this PERMIT does not relieve the PERMITTEE from compliance with all other applicable federal, state, county and local ordinances and regulations. Issuance of this PERMIT shall not be a defense to violations of any applicable ordinances or regulations.

50392 RP

Dust Control Operating Permit (DCOP) Application Clark County Department of Air Quality				For DAQ Use Only			
NOTE: Demolition by implosion is not covered by this application -- use Implosion Operating Permit Application.				Invoice Number: ✓ 036016 MK			
Application Type (Select One):		Applicant Type (Select One):		RECEIVED CC DAQ 2019 FEB 27 AM 11:14 MK			
<input checked="" type="radio"/> New <input type="radio"/> Renewal <input type="radio"/> Modification		<input type="radio"/> Property Owner <input type="radio"/> Easement Holder <input type="radio"/> Government					
		<input type="radio"/> Developer <input checked="" type="radio"/> Contractor					
1. Responsible Official (Applicant) Information:							
Responsible Official Name:		Responsible Official Title:		Permittee (Owner/Company/Organization Name):			
PJ WICKS		OFFICE MANAGER		EARTH RESOURCE GROUP			
Permittee Mailing and Email Address Information							
Number:	Direction:	Street:		Street Type:	Suite:	PO Box:	
6041		CLARK		ST			
City:	LAS VEGAS			State:	NV	Zip:	89122
Email:	PATRICIA@ERGNEVADA.COM			Primary Communication Method: <input checked="" type="radio"/> Email <input type="radio"/> US Postal			
Phone Numbers							
Office:	702-749-7560	Extension:		Cell:	702-596-3239	Fax:	702-749-7567
2. Construction Site Superintendent or other designated On-site Representative:							
Name:		Title:		Company:			
STEVE FANELL		FIELD SUPERVISOR		EARTH RESOURCE GROUP			
Email:	FANELL@ERGNEVADA.COM			Dust Card #:	DC56800	Card Expires:	05/09/2021
Office:	702-749-7560	Extension:		Cell:	702-822-0583	Fax:	702-749-7567
3. Project Information:							
Permit # (For new permit, enter NEW; otherwise, enter existing DCOP #):				NEW			
Project Name (same as signage):		NERT					
Project Description:							
SOIL EXCAVATION, DISPOSAL AND REPLACEMENT							
Modification Acreage Added:		0		Modification Acreage Removed:		0	
Project Modification Description:							
Portable crushing and/or powered screening equipment supporting an on-site single construction activity and remaining onsite for less than 12 months is exempt from the stationary source permitting requirements of AQR Section 12.1 and will instead be subject to the conditions of the Dust Control Operating Permit issued pursuant to AQR Section 94. This exemption does not apply to equipment listed as emission units in a current minor source permit unless the permit states otherwise.							
Will portable crushing or powered screening occur onsite? <input type="radio"/> Yes <input checked="" type="radio"/> No				Projects less than two weeks in duration may qualify for a sign waiver.			
If yes, what is the anticipated date that equipment will be brought onsite?				Does the project qualify for a sign waiver request?			
What is the duration equipment will remain onsite?				<input type="radio"/> Yes <input checked="" type="radio"/> No Is a sign waiver requested for this project? <input type="radio"/> Yes <input checked="" type="radio"/> No			

Project Physical Location

Number:	Direction:	Street:	Street Type:	Suite:
510		FOURTH	ST	
City:	HENDERSON	State:	NV	Zip: 89015

List major cross streets and the proximity to the intersection:

1st Cross Street:	2nd Cross Street:	Proximity:
W. LAKE MEAD PKWY	N. WATER ST.	NW

4. Project Disturbed Surface Area:

a. Project Disturbed Surface Area Information:

dm 3-1-19

Nonlinear Area Disturbed (Acreage in Tenths)

(e.g., project site, stockpiles, staging areas, etc.)

New/Current Total Nonlinear Project Acreage:	5.8 2.5	Total Proposed Nonlinear Project Acreage (new/renewal/modifications):	25 5.8
--	--------------------	---	-------------------

Linear Area Disturbed (Not Within Nonlinear Area)

(e.g., new unpaved access roads, off-site that may include trenching for utilities, street development, road work, etc.)

Enter total number of linear segments: 0

New/Current DCOP Maximum Linear Dimensions: (enter dimensions for new/current DCOP)			Proposed DCOP Maximum Linear Dimensions: (enter dimensions for DCOP modification/renewal DCOP)		
Linear Length:	Length Unit of Measure:	Linear Width (feet):	Linear Length:	Length Unit of Measure:	Linear Width (feet):
0	Feet	0	0	Feet	0
New/Current Total Linear Project Acreage:		0	Proposed Total Linear Project Acreage:		0

(1) Nonlinear Area Acreage Subtotal:	5.8 2.5	(2) Linear Area Acreage Subtotal:	0	Total Project Area Disturbed (1) + (2):	5.8 2.5	Modification Acreage Increase:	0
---	--------------------	--	---	--	--------------------	---------------------------------------	---

b. Project Parcel. List a parcel number for the project. Particulate Emission Potential (PEP) will automatically be determined by the parcel number. If your project spans multiple parcel numbers, DAQ reserves the right to request the parcel number be changed to account for a higher soil PEP.	Parcel Number	Project PEP
	17812301005	MODERATE HIGH

If the project acreage is ten acres or more or if project trenching activities are one mile in length or more, a detailed supplement to the Dust Mitigation Plan must be submitted with this application in accordance with Section 94.5.5 of the Clark County Air Quality Regulations (AQRs) and Appendix B of the Construction Activities Dust Control Handbook.

Project Map Must Be Attached to DCOP Application
NOTE: Air Quality does not accept engineering drawings.

5. Responsible Official (Applicant) Certification Statement. By signing this permit application, the signatory certifies the following:

- As the Responsible Official (applicant), I am authorized on behalf of the Owner Builder/Company/Organization (permittee) listed in Section 1 to apply for this Dust Control Operating Permit (DCOP) and to commit to all of the terms and conditions therein.
- Before disturbing soils on a parcel, enacting a grade change, constructing a structure and/or appurtenances, or installing, constructing, or modifying equipment that emits an air pollutant, you must contact and obtain all required permits from Clark County's Department of Comprehensive Planning, Building Department, Department of Air Quality ([Title 30 Notice](#)) and the municipality with jurisdiction.
- The permit issued in response to this application is not a substitute for obtaining the property owner's permission to use land associated with the project. Issuance of the DCOP is intended only for controlling the emission of air pollutants and assuring compliance with the AQRs. Clark County cannot be held liable for any unauthorized use of the land.
- If applying on behalf of the permittee listed in Section 1, the permittee shall be responsible for complying with requirements of this DCOP and the AQRs. Otherwise, the applicant listed in Section 1 shall be the responsible party.
- The permittee accepts responsibility for assuring that all contractors, subcontractors, and other persons on the construction site defined by this permit comply with the terms and conditions of the DCOP, the associated Dust Mitigation Plan and the AQRs.
- In accordance with the DCOP and the AQRs, the applicant and the permittee shall consent to inspection of the site during normal hours of operation by DAQ staff without prior notice to determine compliance with the terms and conditions of the DCOP and the AQRs.

g. If the project has 50 or more acres of actively disturbed soil, the permittee shall notify DAQ and identify the on-site Dust Control Monitor for the project(s). In addition, this notification requirement applies to the following circumstances:

- When the permittee has common control of multiple adjacent projects that individually have less than 50 acres of actively disturbed soil, but the combined project has 50 or more acres of actively disturbed soil; or
- When the permittee has common control of multiple projects that are not adjacent, but are within a common master-planned community and have 50 or more acres of actively disturbed soil.

The permittee shall notify DAQ using the current notification form, which is available on the DAQ website and at the front counter of the main office, before disturbing the soil. The Dust Control Monitor must be on-site at all times when construction activities occur and shall manage dust prevention and control on-site.

Applicant Certification

PJ WICKS		02/27/2019
Responsible Official Name	Applicant's Signature	Signature Date

Advisories

- a. DCOP acreage fee is based on total project acreage of disturbed surface area (Item 4.a. of this application), which is rounded up to the next whole acre. If the project is less than 1 acre, a minimum of 1 acre shall apply to the project for fee purposes. All fees must be paid in full at the time of application; otherwise, the application cannot be accepted.
- b. Any payment made to the department in conjunction with this application may only be refunded to the permittee with the approval of the Board of County Commissioners. Approved refunds may not be issued to a preparer. Only the applicant or permittee may request a refund, which must contain written justification, a completed federal W-9 Form, a copy of the invoice/receipt, a completed Clark County Supplier Addition/Maintenance/Update form, and a copy of the cancelled check (front & back) . The Control Officer shall have sole discretion to approve/disapprove the request for refund approval.
- c. Stormwater Advisory: Be advised that all land disturbances that exceed 1 acre or are adjacent to a waterway must submit a "Notice of Intent" to the Nevada Division of Environmental Protection that certifies a Storm Water Pollution Prevention Plan has been developed and is maintained for the site. Contact NDEP at (775) 687-9429 for an application, information, and instructions.
- d. Payment : Invoice payments must be made by check, money order, or credit card. Checks and money orders must be made payable to **Department of Air Quality or DAQ**. Credit card payment must be made in person at the DAQ main office.

259/218
 JHM
 3-1-19

DUST MITIGATION PLAN

Permit # :		NEW
Project Name:	NERT	
Company (Permittee):	EARTH RESOURCE GROUP	
Total Project Area Disturbed:	5.8 2.5	Particulate Emission Potential (PEP): MODERATE HIGH

If the project acreage is ten acres or more or if project trenching activities are one mile in length or more, a detailed supplement to the Dust Mitigation Plan must be submitted with this application in accordance with Section 94.5.5 of the Clark County Air Quality Regulations (AQRs) and Appendix B of the Construction Activities Dust Control Handbook.

Water Source (check all that apply)	Water Application Method (check all that apply)
<input checked="" type="checkbox"/> Hydrant with Jones Valve <input checked="" type="checkbox"/> Stand Tanks <input type="checkbox"/> Ponds <input type="checkbox"/> Well <input type="checkbox"/> Other (Describe Below): <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div>	<input checked="" type="checkbox"/> Fire Hose <input checked="" type="checkbox"/> Water Trucks/Pulls <input type="checkbox"/> Other (Describe Below): <div style="border: 1px solid black; height: 60px; width: 100%; margin-top: 5px;"></div>

Project Activities:

The Dust Mitigation Plan applies to the following project activities: **Backfilling** (Filling area previously excavated or trenched); **Blasting - Abrasive** (Sandblasting and/or abrasive blasting); **Blasting Soil & Rock** (Explosive blasting of soil and rock); **Clearing & Grubbing** (Clearing and grubbing for site preparation and vacant land cleanup); **Clearing Forms, Foundations and Slabs** (Clearing and cleaning of forms, foundations and slabs prior to pouring concrete); **Crushing** (Crushing of construction and demolition debris, rock and soil); **Cut and/or Fill** (Cut and/or fill soils for site grade preparation); **Demolition - Mechanical/Manual** (Mechanical and manual demolition of walls, stucco, concrete, freestanding structures, buildings, load-bearing walls and/or removal of transit pipe); **Disturbed Soil** (Disturbed soil throughout project including between structures); **Disturbed Land - Long Term Stabilization** (Large tracts of disturbed land that will not have continuing activity for more than 30 days); **Dust Suppressants** (Selection and use of chemical and organic dust suppressing agents and other dust palliatives); **Importing/Exporting Materials** (Importing or exporting of soil, aggregate, decorative rock, debris, Type II and other bulk material); **Landscaping** (Installation of sod, decorative rock, desert or other landscape material); **Paving/Subgrade Preparation** (Subgrade preparation for paving streets, parking lots, etc.); **Sawing/Cutting Material** (Sawing or cutting materials such as concrete, asphalt, block or pipe); **Screening** (Screening of rock, soil or construction debris); **Staging Areas** (Staging areas, equipment storage, vehicle parking lots, and material storage areas); **Stockpiles** (Stockpiling of materials, such as Type II, other soils, rock or debris, for future use or export); **Trackout Prevention and Cleanup** (Prevention and cleanup of mud, silt and soil tracked out onto paved roads); **Traffic - Unpaved Routes and Parking** (Construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas); **Trenching** (Trenching with track or wheel mounted excavator, shovel, backhoe or trencher); and **Truck Loading** (Loading trucks with materials including construction and demolition debris, rock and soil).

This DCP Application and Dust Mitigation Plan does not include project activities related to **Demolition - Implosion** (Implosive demolition of a structure, using explosives).

Best Management Practices (BMPs) - Control Measures:

The permittee shall comply with all requirements of Section 94 of the AQRs, all requirements of the current *Clark County Dust Control Handbook*, and all provisions of the DCOP issued from this application.

For each project activity listed in this Dust Mitigation Plan, the permittee shall comply with the requirements for the associated BMPs in the *Dust Control Handbook*. Where options are listed for a BMP requirement, the permittee shall apply one or more of the control measures to comply with the requirement. The permittee will apply corresponding control measures for the PEP for the project soil type(s).

Submit Quick Search

Search Display Options Tools Points of Interest Resources

50392 mcd. 0 = 2.5
17812.301005

Measurement Results Click to Close: X

Area Measurement

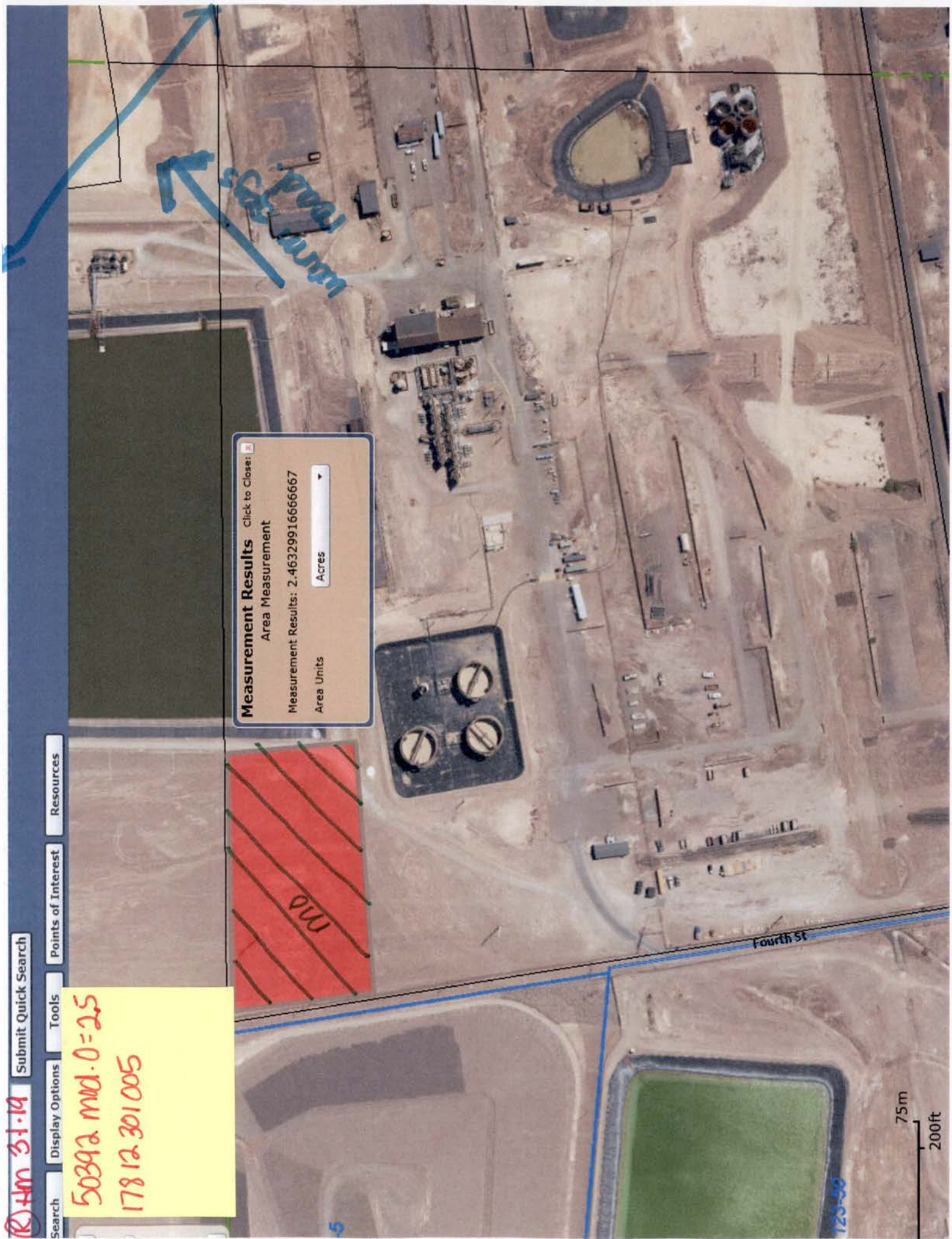
Measurement Results: 2.463299166666667

Area Units:

Water Pond

Fourth St

75m
200ft



From: patricia@ergnevada.com
To: Heather Mackinnon
Subject: RE: EARTH RESOURCE GROUP-NERT
Date: Friday, March 1, 2019 10:33:44 AM
Attachments: Screenshot (2).png
Dust Permit Application.pdf

PJ Wicks
Office Manager
Earth Resource Group
6041 Clark Street
Las Vegas, NV 89122

702-749-7560 O
702-749-7567 F
patricia@ergnevada.com

“
**QUALITY
IS THE
BEST
BUSINESS
PLAN**
”

JOHN LASSETER

From: Heather Mackinnon <MacKinno@ClarkCountyNV.gov>
Sent: Thursday, February 28, 2019 3:47 PM
To: patricia@ergnevada.com
Subject: EARTH RESOURCE GROUP-NERT
Importance: High

Greetings,

Please respond **ASAP** so not to delay the approval process. I have reviewed your Dust Control Permit application and have questions and/or need additional information. **Applications cannot be updated with verbal authorization so please reply to this email.** If you wish to come in it is mandatory you make an appointment. If you have questions, feel free to call.

The map submitted shows an area of approximately **2.4** acres which is less than the **5.8** acres listed on the second page of the application. If the acreage listed on the application is correct, the map must be resubmitted and **accurately identify the 5.8** acres.

If the map is correct, the second page of the application must be resubmitted with the correct acreage listed, with the understanding that the fees paid are non-refundable, non-transferable.



Please utilize the polygon tools available on GISMO and also Google Earth. Do not use the linear tool.

Heather Mackinnon
Clark County Air Quality
4701 W. Russell Rd, #200
Las Vegas NV 89118
Office 702-455-1524
Fax 702-383-9994

For Dust Control Applications and Forms, click on link below. You must use Internet Explorer to utilize the forms

[Compliance_DustForms](#)

Best Management Practices (BMPs) & Control Measures

BMP 01

BACKFILLING

Definition: Filling area previously excavated or trenched.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize backfill material when not actively handling.

- 01-01 Water backfill material to maintain moisture or to form crust when not actively handling.
- 01-02 Apply and maintain a dust palliative to backfill material to form crust when not actively handling.
- 01-03 Cover or enclose backfill material when not actively handling.

Requirement: Stabilize backfill material during handling.

- 01-04 Empty loader bucket slowly and minimize drop height from loader bucket.
- 01-05 Dedicate water truck or large hose to backfilling equipment and apply water as needed.

Requirement: Stabilize backfill material during handling based on project soil type.

- 01-07 L & ML: Apply and mix water into the backfill material until optimum moisture is reached.
- 01-08 MH: Apply and mix water and tackifier solution into the backfill material until optimum moisture is reached.
- 01-09 H: Apply and mix water and surfactant solution into the backfill material until optimum moisture is reached.

Requirement: Stabilize soil at completion of backfilling activity.

- 01-10 Apply water and maintain disturbed soils in a stable condition until permanent stabilization is complete.
- 01-11 Apply and maintain a dust palliative on disturbed soils to form a crust following backfilling activity.

Requirement: Stabilize material while using pipe padder equipment.

- 01-12 Mix moist soil with dry soil until the optimum moisture is reached.
- 01-13 Dedicate water truck or large hose to equipment and apply water as needed.

Best Management Practices (BMPs) & Control Measures

BMP 02

BLASTING - ABRASIVE

Definition: Sandblasting and/or abrasive blasting.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 02-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 02-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Limit visible emissions to no more than an average of 40% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

- 02-03 Hydro-blasting, using water as the propellant, must be conducted in a manner to maintain visible emissions within opacity standards.
- 02-04 Dry, unconfined blasting with abrasive material must use only those abrasives that are approved and certified by the California Air Resources Board (CARB) for such use (see Attachment 3: CARB-Approved Abrasives Information).

Requirement: Stabilize particulate matter in surrounding area following blasting.

- 02-05 Clean particulate material from surrounding area and water disturbed soils following blasting.
- 02-06 Apply and maintain a dust palliative to surrounding area following blasting.

Best Management Practices (BMPs) & Control Measures

BMP 03

BLASTING - SOIL & ROCK

Definition: Explosive blasting of soil and rock.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: A Blasting Supplemental form must be filled out, submitted and approved by the DAQEM prior to any blasting (see Appendix A: Dust Control Permit Supplemental Forms)

Requirement: No blasting within 1,500 feet of a residential area, occupied building or major roadway, when wind direction is toward these structures.

Requirement: Blasting shall be between the hours of 8:00 a.m. and 4:30 p.m., excluding Saturdays, Sundays and holidays unless prior permission is obtained from the Control Officer.

Requirement: No blasting allowed when the National Weather Service forecasts wind gusts above 25 miles per hour (mph).

- 03-01 Prior to setting explosive charges in holes, document current and predicted weather conditions as provided by the National Weather Service. If the current forecast is for wind gusts of 25 mph or greater or they are forecasted to be 25 mph or greater within the next 24 hours, do not charge any blast holes. When setting explosive charges, monitor weather reports for wind gusts of 25 mph or greater on the National Weather Service Radio and/or Internet sites. If wind gusts above 25 mph are stated, d

Requirement: Stabilize surface soils where drills, support equipment and vehicles will operate.

- 03-02 Pre-water and maintain surface soils in a stabilized condition where drills, support equipment and vehicles will operate.
- 03-03 Apply and maintain a dust palliative on surface soils where drills, support equipment and vehicles will operate.

Requirement: Stabilize soil during blast preparation activities.

- 03-04 Limit the blast footprint area to no larger than what can be practically stabilized immediately following the blast.
- 03-05 Maintain surface rock and vegetation where possible to reduce exposure of disturbed soil to wind.

Requirement: Stabilize soil during blast preparation activities based on project soil type.

- 03-06 L & ML: Presoak surface soils to depth of the caliche or bedrock with water using water trucks, water pulls, sprinklers or wobblers.
- 03-07 MH: Presoak surface soils to depth of the caliche or bedrock with water and tackifier mixture using water trucks, water pulls, sprinklers or wobblers.
- 03-08 H: Presoak surface soils to depth of the caliche or bedrock with water and surfactant mixture using water trucks, water pulls, sprinklers or wobblers.

Requirement: Stabilize soil after blasting.

03-09 Water disturbed soils to form crust immediately following blast and safety clearance.

03-10 Apply and maintain a dust palliative to form crust immediately following blast and safety clearance.

Best Management Practices (BMPs) & Control Measures

BMP 04

CLEARING & GRUBBING

Definition: Clearing and grubbing for site preparation and vacant land cleanup.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 04-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 04-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize soil during clearing and grubbing activities.

- 04-03 L & ML: Apply water during clearing and grubbing activities.
- 04-04 MH: Apply water and tackifier mixture during clearing and grubbing activities.
- 04-05 H: Apply water and surfactant mixture during clearing and grubbing activities.

Requirement: Stabilize disturbed soil immediately after clearing and grubbing activities.

- 04-06 Water disturbed soils to form crust immediately following clearing and grubbing activities.
- 04-07 Apply and maintain a dust palliative on disturbed soils to form crust immediately following clearing and grubbing activities.

Best Management Practices (BMPs) & Control Measures

BMP 05

CLEARING FORMS, FOUNDATIONS AND SLABS

Definition: Clearing and cleaning of forms, foundations and slabs prior to pouring concrete.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible emissions to no more than an average of 20% opacity for any period aggregating 3 minutes in any 60-minute period pursuant to Air Quality Regulations.

05-01 Use single stage pours, unless prohibited by engineering design or building code, to minimize clearing.

Requirement: Limit visible emissions to no more than an average of 20% opacity for any period aggregating 3 minutes in any 60-minute period by complying with at least one of the additional control measures.

05-02 Use water spray to clear forms, foundations and slabs.

05-03 Use sweeping and water spray to clear forms, foundations and slabs.

05-04 Use industrial vacuum to clear forms, foundations and slabs prior to the use of high pressure air to blow soil and debris.

05-05 Use industrial vacuum to clear forms, foundations and slabs.

Best Management Practices (BMPs) & Control Measures

BMP 06

CRUSHING

Definition: Crushing of construction and demolition debris, rock and soil.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Obtain the appropriate Operating Permit for powered crushers prior to engaging in crushing activity. Comply with permit conditions.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

06-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

06-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Stabilize material before crushing.

06-03 Pre-water material prior to loading into crusher.

06-04 Test material to determine moisture content and silt loading, crush only material that is at optimum moisture content.

Requirement: Stabilize material during crushing.

06-05 Apply water to stabilize material so as to remain in compliance with opacity standards and permit conditions, during crushing.

06-06 Monitor emissions opacity. Make adjustments to remain in compliance with opacity standards and permit conditions.

Requirement: Stabilize material after crushing.

06-07 Water crushed material to form crust immediately following crushing.

06-08 Apply and maintain a dust palliative to crushed material.

Best Management Practices (BMPs) & Control Measures

BMP 07

CUT AND/OR FILL

Definition: Cut and/or fill soils for site grade preparation.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 07-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 07-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.

Requirement: Pre-water soils based on project soil type.

- 07-03 Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut.
- 07-04 L & ML: Pre-water with sprinklers or wobblers to allow time for penetration.
- 07-05 L & ML: Pre-water with water trucks or water pulls to allow time for penetration.
- 07-06 MH: Pre-water with a water and tackifier mixture using sprinklers or wobblers to allow time for penetration.
- 07-07 MH: Pre-water with a water and tackifier mixture using water trucks or water pulls to allow time for penetration.
- 07-08 H: Pre-water with a water and surfactant mixture using sprinklers or wobblers to allow time for penetration.
- 07-09 H: Pre-water with a water and surfactant mixture using water trucks or water pulls to allow time for penetration.

Requirement: Stabilize soil during cut activities.

- 07-10 Apply water, using water truck or water pull, to depth of cut prior to subsequent cuts.
- 07-11 No cut activities fill only.

Requirement: Stabilize soil after cut and fill activities.

- 07-12 Water disturbed soils to form crust following fill and compaction.
- 07-13 Apply and maintain a dust palliative on disturbed soils to form crust following fill and compaction.

Best Management Practices (BMPs) & Control Measures

BMP 08

DEMOLITION - IMPLOSION

Definition: Implosive demolition of a structure, using explosives.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: A Demolition Supplemental form (see Appendix A) and a Supplement To The Dust Mitigation Plan (see Appendix B) must be filled out, submitted and approved by the Control Officer prior to implosion.

Requirement: An asbestos survey must be conducted on any facility before demolition can commence.

Requirement: A complete Clark County NESHAP Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: All friable and non-friable asbestos containing material must be removed from the facility prior to implosion.

Requirement: Confine blasting to times when wind direction is away from closest residential areas, occupied buildings and major roadways.

Requirement: Implosion time must be pre-approved by the Control Officer.

Requirement: Monitor and document current weather conditions and weather predictions from National Weather Service.

08-01 Prior to setting explosive charges, obtain and document current and predicted weather conditions as provided by the National Weather Service. If wind advisory (over 20 miles per hour gusts or average wind speed of 10 miles per hour) is current or forecasted for blast period, do not set charges and do not blast. Maintain a calibrated anemometer and log ambient air velocity and direction within 1,000 feet of the implosion site, beginning at least 1 (one) hour prior to and 15 minutes after the impl

Requirement: Stabilize surface area where support equipment and vehicles will be operated.

08-02 Restrict support equipment and vehicles to existing paved and/or stable areas.

08-03 If paved and/or stable areas do not already exist, pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

08-04 If paved and/or stable areas do not already exist, apply and maintain a dust palliative on surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize demolition debris immediately following blast and safety clearance.

08-05 Apply water to debris immediately following blast and safety clearance.

08-06 Apply and maintain a dust palliative to debris immediately following blast and safety clearance.

Requirement: Stabilize and clean surrounding area immediately following blast and safety clearance.

08-07 Water all disturbed soil surfaces to establish crust and prevent wind erosion of soil.

08-08 Thoroughly clean blast debris from paved and other surfaces following blast and safety clearance.

Best Management Practices (BMPs) & Control Measures

BMP 09

DEMOLITION - MECHANICAL/MANUAL

Definition: Mechanical and manual demolition of walls, stucco, concrete, freestanding structures, buildings, load-bearing walls and/or removal of transit pipe.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: For renovation or demolition of a structure, a Demolition Supplemental form (see Appendix A) must be filled out, submitted and approved by the Control Officer prior to commencing demolition.

Requirement: An asbestos survey must be conducted on any facility or structure that is subject to NESHAP requirements before demolition can commence.

Requirement: A complete Clark County NESHAPS Notification form must be submitted to the DAQEM at least ten working days prior to demolition. The asbestos survey must be attached to this notification.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 09-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 09-02 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will operate.
- 09-03 Area where support equipment and vehicles will operate is completely covered with paving or concrete.

Requirement: Stabilize demolition debris during handling.

- 09-04 Apply water to demolition debris during handling.

Requirement: Stabilize debris following demolition.

- 09-05 Apply water to stabilize demolition debris.
- 09-06 Apply a dust palliative to stabilize demolition debris.

Requirement: Stabilize surrounding area following demolition.

- 09-07 Apply water to stabilize surrounding area following demolition.
- 09-08 Apply and maintain a dust palliative to stabilize surrounding area following demolition.

Best Management Practices (BMPs) & Control Measures

BMP 10

DISTURBED SOIL

Definition: Disturbed soil throughout project including between structures.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: For each non-linear project to be permitted for 5 acres or less; install perimeter wind barrier 3 feet or more in height made of material with a porosity of 50% or less.

Requirement: Limit vehicle traffic and disturbance of soils where possible.

- 10-01 Limit vehicle traffic and disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.

Requirement: Stabilize and maintain stability of all disturbed soil throughout construction site.

- 10-02 Apply water to stabilize disturbed soils. Soils must be kept in a sufficiently damp, crusted or covered condition.
- 10-03 Apply and maintain a dust palliative based on soil type and future plans.

Requirement: Soil conditions, including preventive and corrective measures, must be recorded every day the construction project is active.

- 10-04 Record soil conditions and dust control actions in daily project records.

Best Management Practices (BMPs) & Control Measures

BMP 11

DISTURBED LAND - LONG TERM STABILIZATION

Definition: Large tracts of disturbed land that will not have continuing activity for more than 30 days.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soil to meet standards required by Air Quality Regulation Section 90.

- 11-01 Apply and maintain a dust palliative on disturbed soils for long-term stabilization.
- 11-02 Stabilize disturbed soil with vegetation for long-term stabilization.
- 11-03 Pave or apply surface rock for long-term stabilization.
- 11-04 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 11-05 Apply water and maintain soils in a visible damp or crusted condition for temporary stabilization.

Requirement: Prevent access to limit soil disturbance.

- 11-06 Prevent access by fencing, ditches, vegetation, berms or other suitable barrier or means approved by the Control Officer.

Best Management Practices (BMPs) & Control Measures

BMP 12

DUST SUPPRESSANTS - SELECTION AND USE

Definition: Selection and use of chemical and organic dust suppressing agents and other dust palliatives.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Follow CCHD “Interim Policy on Dust Palliatives Use In Clark County, Nevada”.

Requirement: Record use of suppressants and dust palliatives and retain records.

Requirement: Follow applicable federal and state regulations.

Requirement: Select method of long-term stabilization taking into consideration future land use.

- 12-01 For traffic area applications use Table 1: Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use in Clark County, Nevada.
- 12-02 For non-traffic area applications use Table 2: Non-Traffic Area Application Requirements, Appropriate Use of Liquid Dust Palliatives and Application Rates, from the Interim Policy on Dust Palliatives Use in Clark County, Nevada.

Best Management Practices (BMPs) & Control Measures

BMP 13

IMPORTING/EXPORTING MATERIALS

Definition: Importing or exporting of soil, aggregate, decorative rock, debris, Type II and other bulk material.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

13-01 Apply water and limit vehicle speeds to 15 mph on the work site.

13-02 Apply and maintain dust suppressant on haul routes.

Requirement: Check belly-dump truck seals regularly and remove any trapped rocks to prevent spillage.

Requirement: Maintain 3-6 inches of freeboard to minimize spillage.

Requirement: Stabilize materials during transport on site.

13-03 Use tarps or other suitable enclosures on haul trucks.

13-04 Stabilize materials with water.

Requirement: Clean wheels and undercarriage of haul trucks prior to leaving construction site.

Best Management Practices (BMPs) & Control Measures

BMP 14

LANDSCAPING

Definition: Installation of sod, decorative rock, desert or other landscape material.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soils, materials and slopes during handling.

- 14-01 L & ML: Apply water prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-02 MH: Apply a water and tackifier mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.
- 14-03 H: Apply a water and surfactant mixture prior to leveling or any other earth moving activity to keep the soil moist throughout the process.

Requirement: Stabilize soils, materials and slopes at completion of activity.

- 14-04 Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slope.
- 14-05 Apply water and maintain sloping surfaces in a crusted condition.
- 14-06 Maintain effective cover over materials.

Best Management Practices (BMPs) & Control Measures

BMP 15

PAVING/SUBGRADE PREPARATION

Definition: Subgrade preparation for paving streets, parking lots, etc.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize soils prior to activities.

- 15-01 Pre-water subgrade surface until optimum moisture content is reached and maintained.

Requirement: Stabilize soils during activities.

- 15-02 Maintain at least 70% of optimum moisture content for Type II material while aggregate is being applied.

Requirement: Stabilize soils following activities.

- 15-03 Place tack coat on Type II aggregate base immediately after it is applied.
- 15-04 Apply water to Type II aggregate base immediately after it is applied.

Requirement: Stabilize adjacent disturbed soils following paving activities.

- 15-05 Stabilize adjacent disturbed soils following paving activities by crusting with water.
- 15-06 Stabilize adjacent disturbed soils following paving activities by applying a dust palliative.
- 15-07 Stabilize adjacent disturbed soils following paving activities with immediate landscaping activity or installation of vegetative or rock cover.
- 15-08 There are no soils adjacent to paving activities.

Best Management Practices (BMPs) & Control Measures

BMP 16

SAWING/CUTTING MATERIAL

Definition: Sawing or cutting materials such as concrete, asphalt, block or pipe.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible emissions to no more than an average of 20% opacity, pursuant to Air Quality Regulations.

16-01 Use water to control dust when cutting materials.

16-02 Use a vacuum to collect dust when cutting materials.

Best Management Practices (BMPs) & Control Measures

BMP 17

SCREENING

Definition: Screening of rock, soil or construction debris.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: If using a powered screen, obtain the appropriate Operating Permit for powered screens prior to engaging in screening activity. Comply with permit conditions.

Requirement: Drop material through the screen slowly and minimize drop height.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

- 17-01 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 17-02 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Pre-treat material prior to screening.

- 17-03 Apply sufficient water to obtain at least 70% optimum moisture in material prior to screening.
- 17-04 Apply a dust suppressant to material prior to screening.

Requirement: Stabilize material during screening.

- 17-05 Dedicate water truck or large hose to screening operation and apply water as needed to prevent dust.
- 17-06 Apply water to material as it is being dropped through the screen.
- 17-07 Install wind barrier upwind of screen as high as the screen drop point and made of material with a porosity of 50% or less.

Requirement: Stabilize material and surrounding area immediately after screening.

- 17-08 Apply water to stabilize screened material and surrounding area after screening.
- 17-09 Apply and maintain a dust palliative to stabilize screened material and surrounding area after screening.

Best Management Practices (BMPs) & Control Measures

BMP 18

STAGING AREAS

Definition: Staging areas, equipment storage, vehicle parking lots, and material storage areas.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

- 18-01 Limit vehicle speeds to 15 mph in the staging area and on all unpaved access routes.
- 18-02 Apply and maintain dust suppressant on all vehicle traffic areas in the staging areas and unpaved access routes.

Requirement: Stabilize staging area soils during use.

- 18-03 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.
- 18-04 Apply and maintain a dust palliative to surface soils where support equipment and vehicles will be operated.

Requirement: Stabilize staging area soils at project completion.

- 18-05 Apply a dust palliative.
- 18-06 Apply screened or washed Type II aggregate.
- 18-07 Use wind breaks in accordance with a site-specific plan approved by the Control Officer and Region IX Administrator of the EPA.
- 18-08 Pave with thin paving.
- 18-09 Completed project will cover staging area with buildings, paving, and/or landscaping.
- 18-10 Apply water to form adequate crust and prevent access.

Best Management Practices (BMPs) & Control Measures

BMP 19

STOCKPILES

Definition: Stockpiling of materials, such as Type II, other soils, rock or debris, for future use or export.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: To the extent possible, maintain stockpile to avoid steep sides or faces.

Requirement: Stockpile location and height must be maintained pursuant to Air Quality Regulations. Stockpiles located within 100 yards of occupied buildings must not be constructed over 8 feet in height.

19-01 Stockpiles will not be constructed over 8 feet in height.

19-02 Stockpiles will be constructed over 8 feet high and must have a road bladed to the top to allow water truck access or must have a sprinkler irrigation system installed, used and maintained.

Requirement: Stabilize surface soils where support equipment and vehicles will operate.

19-03 Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

19-04 Apply and maintain a dust palliative on surface soils where support equipment and vehicles will operate.

Requirement: Stabilize stockpile materials during handling.

19-05 Maintain stockpile materials with at least 70% optimum moisture content.

19-06 Remove material from the downwind side of the stockpile, when safe to do so.

Requirement: Stabilize stockpile materials during handling based on the project soil type.

19-07 L & ML: Apply water during stacking, loading and unloading operations.

19-08 MH: Apply a water and tackifier mixture during stacking, loading and unloading operations.

19-09 H: Apply a water and surfactant mixture during stacking, loading and unloading operations.

Requirement: Stabilize stockpiles at completion of activity.

19-10 Water stockpiles to form a crust immediately at the completion of activity.

19-11 Apply and maintain a dust palliative to all outer surfaces of the stockpiles.

19-12 Provide and maintain wind barriers on 3 sides of the pile, whose length is no less than equal to the length of the pile, whose distance from the pile is no more than twice the height of the pile, whose height is equal to the pile height, and made of material with a porosity of 50% or less.

19-13 Apply a cover or screen to stockpiles.

Best Management Practices (BMPs) & Control Measures

BMP 20

TRACKOUT PREVENTION AND CLEANUP

Definition: Prevention and cleanup of mud, silt and soil tracked out onto paved roads.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: In soils that have a PEP classification of “High”, pave construction activities roadways as early as possible.

Requirement: Use of soil to create a ramp for vehicle access over a curb is prohibited.

Requirement: Trackout conditions, including preventive and corrective measures, must be recorded daily for every day that the construction project access is used by vehicles.

20-01 Record soil conditions and dust control actions in daily project records.

Requirement: Prevent dust from trackout.

20-02 Immediately clean trackout from paved surfaces to maintain dust control. Trackout must not extend 50 feet or more.

20-03 Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day. Trackout must not extend 50 feet or more and must be cleaned daily, at minimum.

Requirement: Install and maintain trackout control devices in effective condition at all access points where paved and unpaved access or travel routes intersect.

20-04 Install gravel pad(s) consisting of 1” to 3” rough diameter, clean, wellgraded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50’ or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.

20-05 Install wheel shakers. Clean wheel shakers on a regular basis to maintain effectiveness.

20-06 Install wheel washers. Maintain wheel washers on a regular basis to maintain effectiveness.

20-07 Install wheel shakers in the event that trackout cannot be controlled with gravel pads.

20-08 Install wheel washer in the event that trackout cannot be controlled with gravel pads and wheel shakers.

20-09 Motorized vehicles will only operate on paved surfaces.

Requirement: All exiting traffic must be routed over selected trackout control device(s).

20-10 Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).

20-11 Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.

Best Management Practices (BMPs) & Control Measures

BMP 21

TRAFFIC - UNPAVED ROUTES AND PARKING

Definition: Construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Limit visible dust opacity from vehicular operations.

21-01 Limit vehicle speeds to 15 mph on all unpaved routes and parking areas.

21-02 Apply and maintain dust palliative on all vehicle travel areas.

Requirement: Stabilize all haul routes.

21-03 Apply water to haul routes and maintain in a stabilized condition.

21-04 Apply a dust palliative to haul routes and maintain in a stabilized condition.

21-05 Apply gravel to haul routes and maintain in a stabilized condition.

21-06 Supplement dust palliative or aggregate applications with watering, if necessary.

Requirement: Stabilize all off-road and parking areas.

21-07 Apply water to off-road traffic and parking areas and maintain in a stabilized condition.

21-08 Apply gravel to off-road traffic and parking areas and maintain in a stabilized condition.

21-09 Apply recycled asphalt (or other suitable material) to off-road traffic and parking areas and maintain in a stabilized condition.

21-10 Apply and maintain a dust palliative (designed for vehicle traffic) to off-road traffic and parking areas and maintain in a stabilized condition.

Best Management Practices (BMPs) & Control Measures

BMP 22

TRENCHING

Definition: Trenching with track or wheel mounted excavator, shovel, backhoe or trencher.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Stabilize surface soils where trenching equipment, support equipment and vehicles will operate.

- 22-01 Pre-water and maintain surface soils in a stabilized condition where trenching equipment, support equipment and vehicles will operate.
- 22-02 Apply and maintain a dust palliative to surface soils where trenching equipment, support equipment and vehicles will operate.

Requirement: Presoak soils prior to trenching activities based on the project soil type.

- 22-03 Pre-water surface, pre-trench to 18" depth, soak soils via pre-trench prior to deep trenching.
- 22-04 L & ML: Presoak soil with water using sprinklers or wobblers.
- 22-05 L & ML: Presoak with water, using water truck and/or water pull.
- 22-06 MH: Presoak soil with a water and tackifier mixture using water pulls and/or water trucks.
- 22-07 MH: Presoak soil with a water and tackifier mixture using sprinklers or wobblers.
- 22-08 H: Presoak soil with a water and surfactant mixture using water pulls and/or water trucks.
- 22-09 H: Presoak soil with a water and surfactant mixture using sprinklers or wobblers.

Requirement: Stabilize soil during trenching activities based on the project soil type.

- 22-10 L & ML: Complete trenching with a dedicated water truck or large hose maintaining water as needed to prevent dust.
- 22-11 L & ML: Use spray nozzles mounted on trenching machine.
- 22-12 MH: Complete trenching with a dedicated water truck or large hose maintaining a water and tackifier mixture as needed to prevent dust.
- 22-13 H: Complete trenching with a dedicated water truck or large hose maintaining a water and surfactant mixture as needed to prevent dust.

Requirement: Stabilize soils at the completion of trenching activities.

- 22-14 Use water to form crust on excavated soil windrow as it is formed.
- 22-15 Use dust palliative to form crust on excavated soil windrow as it is formed.

Best Management Practices (BMPs) & Control Measures

BMP 23

TRUCK LOADING

Definition: Loading trucks with materials including construction and demolition debris, rock and soil.

PEP/Soil Type: L (Low), ML (Moderate Low), MH (Moderate High) & H (High).

The permittee shall comply with all applicable requirements for activities performed pursuant to this Dust Control Operating Permit (DCOP). If a requirement has control measures listed, permittee shall comply with one or more of the control measures. If control measures for the requirement are contingent on the project PEP/Soil Type, permittee shall comply with one or more of the control measure for the designated PEP/Soil Type.

Requirement: Ensure all loads are covered prior to leaving the construction site and traveling on public roadways.

Requirement: Stabilize surface soils where loaders, support equipment and vehicles will operate.

- 23-01 Pre-water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate.
- 23-02 Apply and maintain a dust palliative on surface soils where loaders, support equipment and vehicles will operate.

Requirement: Stabilize material during loading.

- 23-03 Empty loader bucket slowly and keep loader bucket close to the truck to minimize the drop height while dumping.

Requirement: Stabilize material during loading based on the project soil type.

- 23-04 L & ML: Mix material with water prior to loading.
- 23-05 L & ML: Spray material with water while loading.
- 23-06 MH: Mix material with a water and tackifier mixture prior to loading.
- 23-07 MH: Spray material with a water and tackifier mixture while loading.
- 23-08 H: Mix material with a water and surfactant mixture prior to loading.
- 23-09 H: Spray material with a water and surfactant mixture while loading.



**ATTACHMENT D
COMPACTION AND GEOTECHNICAL TESTING RESULTS**



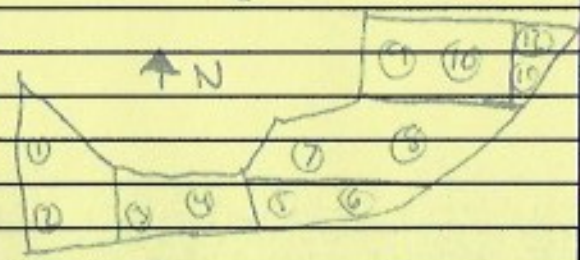
FIELD DENSITY TEST SUMMARY

Project No: 11372-4 Date: 4-24-19

Project Name: Earth Retention System Gauge Type: CPN

Contractor: ERL Gauge No: 7795

Test No.	Date	Description and Location	Type of Test	Depth of Fill (ft)	Elevation (ft.)	Dry Den. (pcf)	Density Count	Moist (%)	Moist Count	Rel. Comp. %	Proctor Number	Comp. %
		<u>510 S. 4th ST. (Henderson)</u>										
<u>1</u>	<u>4-24-19</u>	<u>TEST location 1 on diagram</u>	<u>BF</u>	<u>1'</u>	<u>FG</u>	<u>132.8</u>	<u>-</u>	<u>7.1</u>	<u>-</u>	<u>98</u>	<u>1</u>	<u>90</u>
<u>2</u>						<u>128.6</u>	<u>-</u>	<u>8.1</u>	<u>-</u>	<u>95</u>		
<u>3</u>						<u>130.1</u>	<u>-</u>	<u>7.9</u>	<u>-</u>	<u>94</u>		
<u>4</u>						<u>130.7</u>	<u>-</u>	<u>7.8</u>	<u>-</u>	<u>96</u>		
<u>5</u>						<u>129.3</u>	<u>-</u>	<u>8.3</u>	<u>-</u>	<u>95</u>		
<u>6</u>						<u>131.2</u>	<u>-</u>	<u>7.4</u>	<u>-</u>	<u>97</u>		
<u>7</u>						<u>131.4</u>	<u>-</u>	<u>7.8</u>	<u>-</u>	<u>97</u>		
<u>8</u>						<u>128.9</u>	<u>-</u>	<u>8.0</u>	<u>-</u>	<u>95</u>		
<u>9</u>						<u>127.7</u>	<u>-</u>	<u>7.7</u>	<u>-</u>	<u>94</u>		
<u>10</u>						<u>130.4</u>	<u>-</u>	<u>7.4</u>	<u>-</u>	<u>96</u>		
<u>11</u>						<u>126.5</u>	<u>-</u>	<u>7.5</u>	<u>-</u>	<u>93</u>		
<u>12</u>						<u>129.3</u>	<u>-</u>	<u>7.6</u>	<u>-</u>	<u>95</u>		



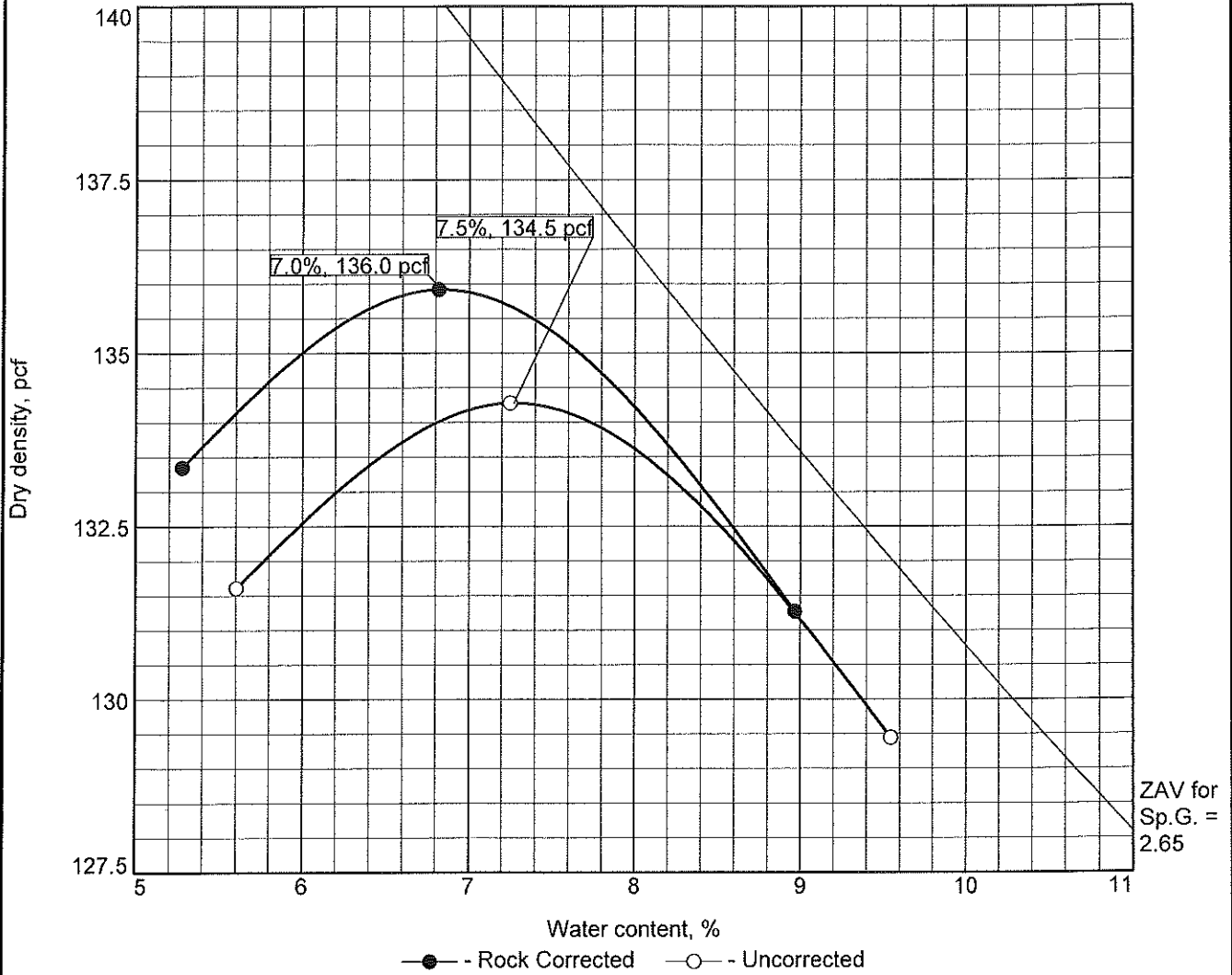
Note:
 BFG = Below Finish Grade
 Proctor Source Angle
 Probe Depth 8 inches
 * = Failed Test A = Retest

Proctor	<u>1</u>	<u>2</u>	<u>3</u>
Max. Den	<u>136</u>		
Opt. Moist.	<u>7</u>		

DS: 32156 MS: 9140 Page 1 of 1
 Standard Counts
 Test Method: ASTM D 2922
 Inspector: MARCO CHAZCO

No Representation is made of the fill except as expressly set forth in this report

COMPACTION TEST REPORT



Test specification: ASTM D 1557-00 Method C Modified
 ASTM D4718-15 Oversize Corr. Applied to Each Test Point

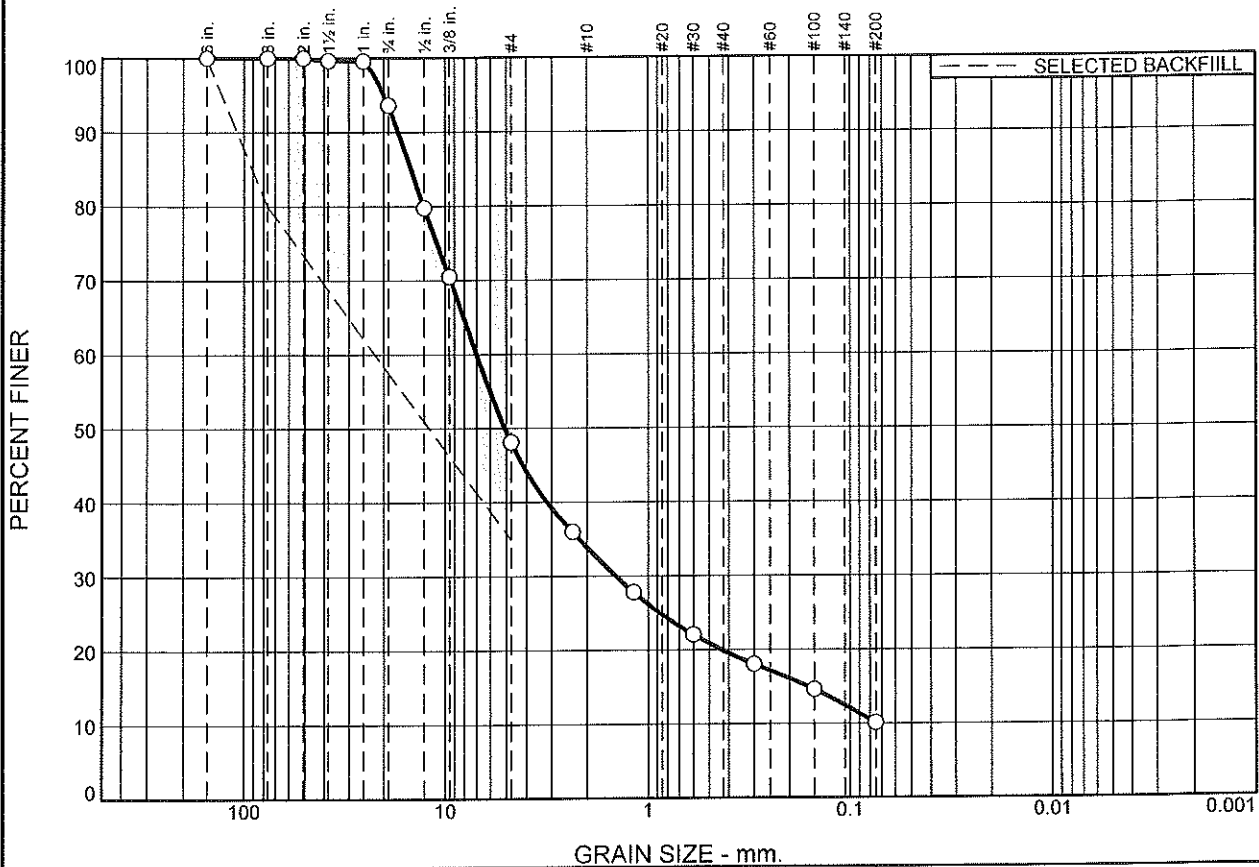
Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
	GP-GM	A-1-a			NV	NP	6.4	10.1

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 136.0 pcf Optimum moisture = 7.0 %	134.5 pcf 7.5 %	poorly graded gravel with silt and sand

<p>Project No. 11372-1 Client: Earth Resource Group.</p> <p>Project:</p> <p>○ Location: Selected Backfill. Sample Number: 8705</p> <p style="text-align: center; font-weight: bold; font-size: 1.2em;">Angle Engineering Las Vegas, NV</p>	<p>Remarks:</p> <p style="text-align: right;">Figure</p>
---	---

Tested By: JJ Checked By: JRM

Particle Size Distribution Report



% +3"	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
0.0	6.4	45.5	14.2	14.0	9.8	10.1	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
6"	100.0	100.0	
3"	100.0	80.0 - 100.0	
2"	100.0		
1 1/2"	99.7		
1"	99.6		
3/4"	93.6		
1/2"	79.8		
3/8"	70.5		
#4	48.1	35.0 - 100.0	
#8	36.0		
#16	27.8		
#30	22.1		
#50	18.0		
#100	14.6		
#200	10.1		

Material Description

poorly graded gravel with silt and sand

Atterberg Limits

PL= NP LL= NV PI= NP

Classification

USCS= GP-GM AASHTO= A-1-a

Remarks

* SELECTED BACKFILL

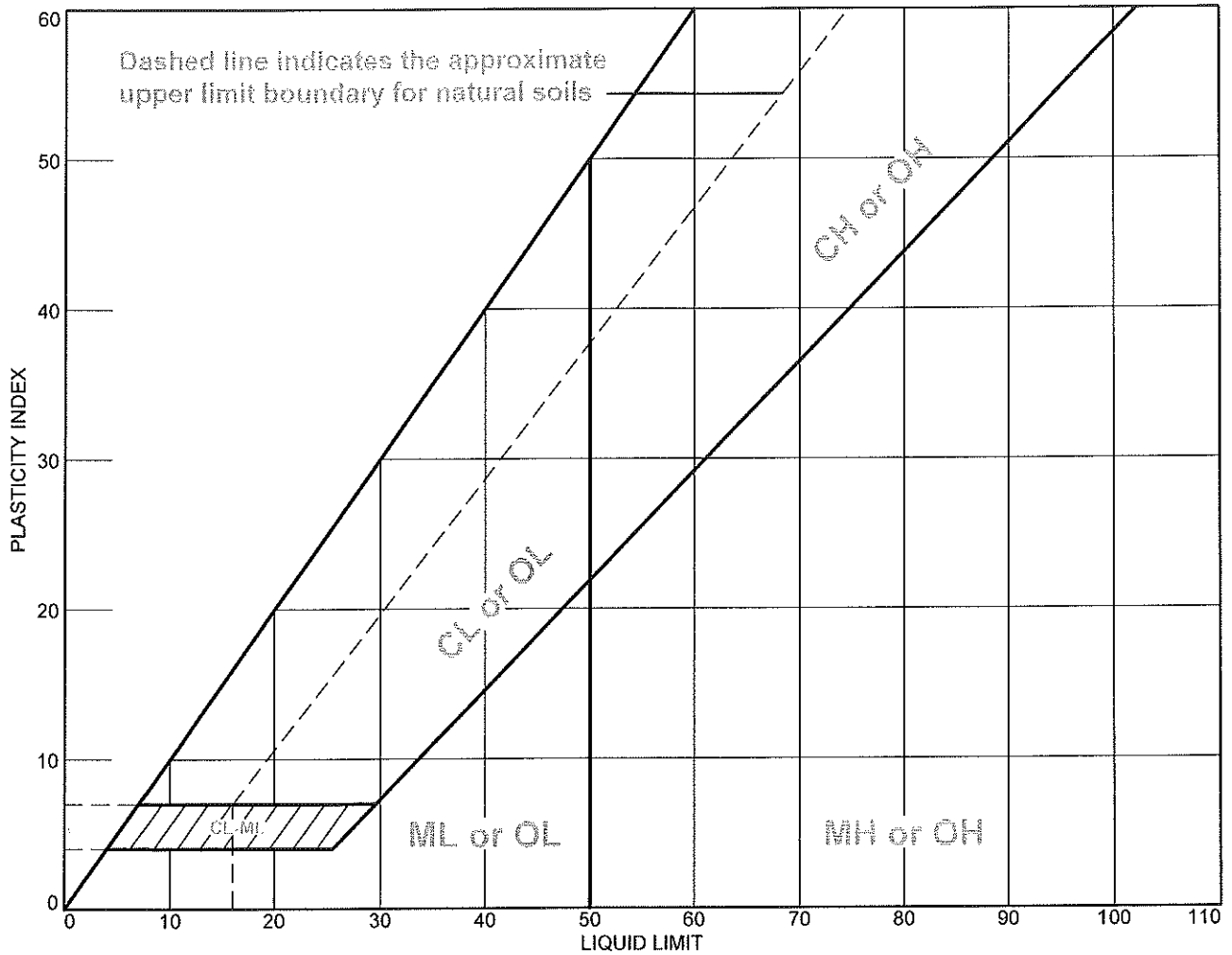
Location: Selected Backfill.
Sample Number: 8705

Date: 3/15/19

<h2 style="margin: 0;">Angle Engineering</h2> <h3 style="margin: 0;">Las Vegas, NV</h3>	<p>Client: Earth Resource Group.</p> <p>Project:</p> <p>Project No: 11372-1</p>
<p>Figure</p>	

Tested By: JJ Checked By: JRM

LIQUID AND PLASTIC LIMITS TEST REPORT



MATERIAL DESCRIPTION	LL	PL	PI	%<#40	%<#200	USCS
● poorly graded gravel with silt and sand	NV	NP	NP	19.9	10.1	GP-GM

Project No. 11372-1 Client: Earth Resource Group.
 Project:
 ● Location: Selected Backfill. Sample Number: 8705

Remarks:

**Angle Engineering
Las Vegas, NV**

Figure



**ATTACHMENT E
WASTE DISPOSAL DOCUMENTATION**



Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
3825194829

Expiration Date
3/6/2020

I. Decision Request:

Initial Recertification Change

Disposal Facility: 3825 - Apex Regional Landfill (Silver State Disposal)

Generator Name: Nevada Environmental Response Trust

Generator Site Address: 510 4th Street

City: Henderson

County:

State: NV

Zip:

Name of Waste: Non Hazardous Solid Waste

Estimated Annual Volume: 2,400 Tons

II. Special Waste Department Decision: Approved Rejected

Management Method(s): Landfill Solidification Bioremediation Transfer Facility

Problematic Special Waste according to Republic? Yes No

If yes, which one?

Approved by Special Waste Review Committee? Yes No Not Applicable

Precautions, Conditions or Limitations on Approval

Special Waste Analyst Signature: _____

Date: 4/5/2019

Name (Printed): Joseph Sorokach

III. Facility Decision:

Approved Rejected

Precautions, Conditions or Limitations on Approval

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 4/5/2019

Requested Disposal Facility: 3825 Apex Regional LF NV

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Sales Rep #:

Generator Name: Nevada Environmental Response Trust			
Generator Site Address: 510 S. 4th Street			
City: Henderson	County: Clark	State: Nevada	Zip: 89015
State ID/Reg No:	State Approval/Waste Code:	(if applicable)	NAICS #:
Generator Mailing Address (if different): <input checked="" type="checkbox"/> 35 East Wacker Drive, Suite 1550			
City: Chicago	County: Cook	State: Illinois	Zip: 60601
Generator Contact Name: Steve Clough		Email: steve.clough@nert-trust.com	
Phone Number: (702) 960-4309	Ext:	Fax Number:	

II. Billing Information

Bill To: ERG Environmental Services	Contact Name: Steve Schafer
Billing Address: 6041 Clark Street	Email: steve@ergnevada.com
City: Las Vegas	State: NV
Zip: 89122	Phone: (702) 682-5329

III. Waste Stream Information

Name of Waste: Nonhazardous Solid Waste	
Process Generating Waste: Excavated dioxin-containing soil, see attached analytical data	
Type of Waste:	<input type="checkbox"/> INDUSTRIAL PROCESS WASTE <input checked="" type="checkbox"/> POLLUTION CONTROL WASTE
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:
Estimated Annual Volume:	2,400 Tons
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ONGOING
Disposal Consideration:	<input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION

IV. Representative Sample Certification
 NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Type of Sample:	<input type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE
Sample Date:	09/19/2018; 09/20/2018; 02/27/2019
Sample ID Numbers:	See Attachment
See Table 2 for pre-excavation sample results. <i>sc</i>	



Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components		% by Weight (range)			
1. Soil		95-100%			
2. Debris (rock, concrete)		0-5%			
3.					
4.					
5.					
Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO	100	8-9.5	N/A °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD like facility or consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

Stephen Clough, Remediation Director

 Authorized Representative Name And Title (Type or Print)

Stephen Clough

 Authorized Representative Signature

Nevada Environmental Response Trust

 Company Name

4/1/19

 Date



AGENT SPECIAL WASTE SERVICE AGREEMENT NON-HAZARDOUS WASTES

Special Waste Profile Number: 3825 19 4829

Agent Billing Information

Name: ERG Environmental Services
Address: 6041 Clark Street
City: Las Vegas
State: NV Zip: 89122
Phone: 702.682.5329 Fax: _____
Contact: _____

Republic Waste Location (Company)

Republic Environmental Technologies/Apex
Landfill
13550 US Hwy.95 North
Las Vegas, NV 89165
702-599-5920

Project: Nevada Environmental Response Trust County and State of Origin: _____
Generator Address: 510 S 4th Street, Henderson NV 89015

Additional Information: _____

- Special Waste Service.** Subject to the terms and conditions contained herein, the Company and the Agent agree to be legally bound hereby and the Company agrees to accept at its Facility, Acceptable Waste (hereinafter referred to as "Special Waste" or "Waste") delivered by Agent, and which is acceptable to the Company as herein provided.
- Acceptable Waste.** Only those Special Wastes described in Paragraph 3 herein and in any Special Waste Profile(s) which number is identical to the contract number referenced above, and which Profile(s) are hereby incorporated by reference herein, and which Waste is subsequently approved by the Company and is otherwise in accordance with all laws, regulations and permits, shall be acceptable for disposal at the Facility ("Acceptable Waste").

3. (A) **Rates for Disposal:**

<u>Waste</u>	<u>Disposal Method</u>	<u>Disposal Rate:</u>	<u>Fees / Taxes / Misc.</u>	<u>Transportation</u>
<u>Cont Soil</u>	<u>Landfill</u>	<u>\$37.00 per Ton</u>	<u>2.3% SWMA</u>	_____
		<u>\$250 Minimum</u>		_____

Additional Information: Profile good through 3/6/2020 EAV: 2,400 Tons

Agent shall also be liable for all taxes, fees, or other charges imposed by federal, state, local or provincial laws and regulations.

Cannot Exceed Daily Volume of Waived Without Prior Approval of Company.

(B) **Incorporation by Reference.** In addition to Special Waste Profile(s), the following documents are incorporated by reference into this Agreement as if fully set forth herein.

1)N/A

2)

- Term of Agreement.** This Agreement is effective for 12 months, commencing 3/6/2019 and shall automatically be renewed for a similar term thereafter unless either party shall give written notice (via certified mail) of termination to the other party at least thirty (30) days prior written notice.

THE COMPANY AND THE AGENT, IN CONSIDERATION OF THE MUTUAL OBLIGATIONS CONTAINED HEREIN, AGREE THAT THIS IS A LEGALLY BINDING AGREEMENT WHICH IS SUBJECT TO THE TERMS AND CONDITIONS SET FORTH ON THIS PAGE AND ON THE REVERSE SIDE OF THIS DOCUMENT. IN ADDITION, THE GENERATOR IS CERTIFYING THE ATTACHED TERMS AND CONDITIONS HAVE BEEN REVIEWED AND INITIALLED AT THE BOTTOM OF THE PAGE.

AGENT

SIGNATURE (AUTHORIZED REPRESENTATIVE)

Steve Schuster P.M.
NAME AND TITLE (PLEASE PRINT)

4-5-19
DATE

REPUBLIC SERVICES, INC/COMPANY

SIGNATURE (AUTHORIZED REPRESENTATIVE)

Fred Hays
Director
NAME AND TITLE (PLEASE PRINT)

04/08/19
DATE

Terms and Conditions of Agent Special Waste Service Agreement

5. **The Agreement.** This agreement of the parties ("Agreement") for the disposal of Special Waste shall consist of this Agreement, riders to the Agreement (if any) and any Application, permit and approval that may be applicable to such Waste.
6. **Waste Accepted at Facility.** Agent represents, warrants and covenants that the Waste delivered to Company at its Facility hereunder will be Acceptable Waste and will not contain any unacceptable quantity of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances, as defined by applicable federal, state, local or provincial laws or regulations. Any Waste which does not meet these requirements shall hereinafter be referred to as "Unacceptable Waste". The Agent shall in all matters relating to the collection, transportation and disposal of the Waste hereunder, comply with all applicable federal, state and local laws, regulations, rules and orders regarding the same. The word "Facility" shall mean any landfill, transfer station or other location used to transfer, process or otherwise dispose of such Waste.
7. **Special Waste.** Agent represents, warrants and covenants that the Waste delivered to Company hereunder (i) will not contain any Special Waste that is not specifically described on any Application which is attached hereto and which is subsequently approved by the Company, (ii) will meet the material description as set forth in any Application and otherwise in all significant respects and (iii) will not contain Unacceptable Waste. The parties may incorporate additional Special Waste as part of this Agreement if prior to delivery of such Waste to Company, Agent has provided an Application for such Waste and Company has approved disposal of such Waste within the limitations and conditions contained in Company's written notice of approval of Special Waste. Title to any and all Waste handled or disposed of by Company shall at all times remain with Generator and Agent.
8. **Rights of Refusal/Rejection.** The Agent shall inspect all Waste at the place(s) of collection and shall remove any and all Unacceptable Waste. Company has the right to refuse, or to reject after acceptance, any load(s) of Waste(s) delivered to its Facility including if the Company believes the Agent has breached (or is breaching) its representations, warranties, covenants or agreements hereunder, or any applicable federal, state or local laws, regulations, rules or orders, even if only a portion of such Waste load is unacceptable. The Company shall have the right to inspect all vehicles of Waste haulers, including the Agent's vehicles, in order to determine whether the Waste is Acceptable Waste or Unacceptable Waste pursuant to this Agreement and all applicable federal, state and local laws, rules and regulations. The Company's exercise, or failure to exercise, its rights hereunder shall not operate to relieve the Agent of its responsibilities or liability under this Agreement. The Agent shall be responsible for, and bear all reasonable expenses and damages incurred by the Company, as a result of the Unacceptable Waste and in the reloading and removal of Unacceptable Waste disposed in the Facility. The Company, may also, in its sole discretion, require the Agent to promptly remove the Unacceptable Waste.
9. **Limited License to Enter.** This Agreement provides Agent with a license to enter the Facility for the limited purpose of, and only to the extent necessary for, off-loading Acceptable Waste at the Facility in the manner directed by Company. Except in an emergency, Agent's personnel shall not leave the immediate vicinity of their vehicle. After off-loading the Waste, Agent's personnel shall promptly leave the Facility. Under no circumstances shall Agent or its personnel engage in any scavenging of Waste or other materials at the Facility. The Company reserves the right to make and enforce reasonable rules and regulations concerning the operation of the Facility, the conduct of the drivers and others on the Facility premises, quantities and sources of Waste, and any other matters necessary or desirable for the safe, legal and efficient operation of the Facility including, but not limited to, speed limits on haul roads imposed by the Company, and the wearing of hard hats and other personal protection equipment by all individuals allowed on the Facility premises. Agent agrees to conform to such rules and regulations as they may be established and amended from time to time. Company may refuse to accept Waste from and shall deny an entrance license to, any of Agent's personnel whom Company believes is under the influence of alcohol or other chemical substances. Agent shall be solely responsible for its employees and subcontractors performing their obligations in a safe manner when at the facility of Company.
10. **Charges and Payment.** Payment shall be made by Agent within sixty (60) days after receipt of invoice from Company. In the event that any amount is overdue, the Company may terminate this Agreement. Agent agrees to pay a finance charge equal to the maximum interest rate permitted by law. Agent shall be liable for all taxes, fees, or other charges imposed upon the disposal of the Waste by federal, state, local or provincial laws and regulations. Company, from time to time, may modify its rates upon sixty (60) days written notice to Agent. Agent hereby agrees that the Company's right to receive payments under this Agreement is unconditional and is not conditioned upon Agent first receiving payment from Generator or any other party.
11. **Termination.** Agent's obligations, representations, warranties and covenants regarding the Waste delivered and all indemnities shall survive termination of this Agreement. Should Agent materially default in any of its obligations hereunder, then Company may immediately terminate this Agreement and Agent shall be liable for all costs and damages incurred by the Company.
12. **Driver's Knowledge and Authority.** Agent represents, warrants and covenants that its drivers who deliver Waste to Company's Facility have been advised by Agent of the Company's prohibition on deliveries of hazardous materials or substances, radioactive materials or substances, or toxic waste or substances or any other Unacceptable Waste to the Facility, of Company's restrictions on deliveries of Special Waste to the Facility of the definitions of "Hazardous Waste and Hazardous Substances" as provided by applicable federal, state and local law, rules and regulations and "Special Waste" as provided herein, and of the terms of this license to enter Company's Facility.
13. **Indemnification.** Agent shall indemnify, defend and hold harmless the Company and its subsidiaries, affiliates and parent corporations, as applicable and their respective officers, directors, lenders, employees, subcontractors and agents from and against any and all claims, suits, losses, liabilities, assessments, damages, fines, costs and expenses, including reasonable attorneys fees arising under federal, state or local laws, regulations or ordinances, or relating to the content of the Waste, or arising out of or in connection with any breach of this Agreement or arising out of the negligent collection, transportation and disposal of Waste by Agent or Agent's employees, agents, subcontractors or representatives thereof. Agent shall also be responsible for increased inspection, testing, study and analysis costs made necessary due to reasonable concerns of the Company as to the content of the Waste following discovery of potentially Unacceptable Waste. This indemnification and other obligations stated in this paragraph shall survive the termination of this Agreement.
14. **Insurance.** Agent shall maintain in full force and effect throughout the term of this Agreement the following types of insurance in at least the amounts specified below:

Coverages
 Worker's Compensation
 General Liability
 Automobile Liability

Minimum Amounts of Insurance
 Statutory
 \$500,000 combined single limit
 \$500,000 combined single limit

AGENT: _____

Republic Services, INC./COMPANY: _____

All insurance will be by insurers authorized to do business in the state in which the Facility is located. Prior to Agent being allowed on Facility premises, Agent shall provide the Company with certificates of insurance or other satisfactory evidence that such insurance has been procured and is in force. Said policies shall not thereafter be canceled, be permitted to expire, or be changed without thirty (30) days advance written notice to the Company. Agent warrants that it will secure the above minimum amounts of insurance from any transportation of the Waste to the Facility.

15. **Failure to Perform.** Neither party hereto shall be liable for its failure to perform hereunder due to circumstances not its fault and beyond its reasonable control, including, but not limited to, strikes or other labor disputes, riots, protests, civil disturbances or sabotage, changes in law, fires, floods, compliance with government requests, explosions, accidents, weather, lack of required natural resources, or acts of God affecting either party hereto. In the event of any of the circumstances provided for in the preceding sentence, including, but not limited to, whether any federal, state or local court or governmental authority takes any action which would (i) close or restrict operations at the Facility, (ii) limit the quantity or prohibit the disposal of Waste at the Facility, or (iii) limit the ability of or prohibit Agent from delivering Waste to the Facility, the Company shall have the right, at its option, to reduce, suspend or terminate Agent's access to the Facility immediately, without prior notice and without any additional liabilities between the parties, other than Agent's payment obligation hereunder. Neither Party is required hereunder to settle any labor dispute against its own best judgment.

16. **Other Termination.** The occurrence of any of the following events shall also constitute an event of default by the Agent and shall give the Company the right to immediately terminate this Agreement:

- (A) A petition for reorganization or bankruptcy filed by or against the Agent
- (B) Failure by Agent to pay any amounts due to Company.
- (C) Any breach by Agent of any of its obligations pursuant to the Agreement.

Agent shall be liable for and shall indemnify, defend and hold harmless Company from any losses, claims expenses or damages incurred by the Company as a result of termination hereunder.

17. **Assignment.** Agent may not assign, transfer or otherwise vest in any other Company, entity or person, in whole or in part, any of its rights or obligations under the Agreement without the prior written consent of the Company, provided, however, that the Company may without any such prior written consent, assign its rights and/or obligations under the Agreement to a subsidiary or affiliate corporation.

18. **Right of Disposal.** This Agreement does not grant any rights to dispose of Waste other than in accordance herewith. The Company reserves the right to immediately terminate access to the Facility by Agent and Agent's personnel in the event of breach or violation by Agent of any of the terms of this Agreement, the Company's operating rules or payment policies or any applicable laws or regulations.

19. **Continuing Compliance.** The Agent has a continuing obligation to inform the Company of any new information, or information not previously provided to the Company by Agent and/or Generator which may affect the acceptability of the Waste by the Company. Further, the Agent shall comply with all Company requests for evidence of Agent's continuing compliance with the terms of the Agreement including but not limited to the following: (i) providing new, updated Waste profiles on the Waste(s) offered for disposal or, (ii) providing appropriate certification that the Waste being offered for disposal is accurately reflected by the appropriate Application or, (iii) re-sample the Waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or, (iv) allow the Company to re-sample the Waste at Agent's expense if reasonable cause exists as to its acceptability under the terms of this Agreement or (v) all of the above.

20. Miscellaneous.

- (A) This Agreement shall be governed by the laws of the State in which the Facility is located.
- (B) No waiver of a breach of any of the obligations contained in the Agreement shall be construed to be a waiver of any prior or succeeding breach of the same obligation or of any other obligation of this Agreement.
- (C) No modification, release, discharge or waiver of any provision or obligation hereof shall be of any force, or effect, unless in writing signed by all parties to this Agreement.
- (D) Agent shall treat as confidential and not disclose to others during or subsequent to the terms of this Agreement, except as is necessary to perform this Agreement, or to comply with any applicable law or regulation any information (including any technical information, experience or data) regarding the Company's plans, programs, plants, processes, products, costs, equipment or operations which may come within the knowledge of the Agent or its employees in the performance of this Agreement, without in each instance securing the prior written consent of the other Company.
- (E) If any term, phrase, obligation or provision of this Agreement shall be held to be invalid, illegal or unenforceable in any respect, this Agreement shall remain in effect and be construed without regard to such term, phrase, obligation or provision.
- (F) This Agreement constitutes the entire understanding between the parties, replacing and amending any prior agreements between the parties, and shall be binding upon all parties hereto, their successors, heirs, representatives and assigns. Any provision, term or condition in any acknowledgement, purchase order or other response by Agent which is in addition to or different from the provisions of this Agreement shall be deemed objected to by the Company and shall be of no effect.
- (G) Agent represents, warrants and covenants that it is and during the term of this Agreement will remain, in compliance with and will perform its obligations pursuant to all applicable laws and regulations and shall indemnify, defend and hold harmless the Company from any breach thereof.
- (H) It is the understanding and agreement of the parties that the Company is an independent contractor, and is not an agent, nor an authorized representative of the Agent. It is the further understanding and agreement of the parties that Agent is an authorized representative of Generator.

21. **Notices.** All notices herein provided for shall be considered as having been given upon being placed in the mail, certified postage prepaid addressed to the Company or Agent at the address herein set forth in this Agreement or to such other address as may be given to the other party in writing.

22. **Liquidated Damages.** In the event that this Agreement is terminated by the Agent in a manner not in accordance with paragraph 4 hereof, or terminated due to a breach of this Agreement by the Agent, the Agent shall pay, as liquidated damages, and not as a penalty, the greater of an amount equal to six (6) months' service charges or the Agent's most recent monthly charge multiplied by six (6). The Agent shall be given credit for any advance payments made hereunder, however, in computing the amount owed as liquidated damages hereunder. The Agent acknowledges that this liquidated damages clause is reasonable and is applicable to recover damages related to its investment in equipment, development of landfills and hiring of employees undertaken by the Company to service its customers including the Agent. This liquidated damages clause in no way relieves the Agent from its obligations and liability for other cost or damages as set forth elsewhere in this Agreement.

May 2009

Smith, Leanne

From: Tidwell, Robert
Sent: Friday, April 05, 2019 2:03 PM
To: Smith, Leanne
Subject: FW: Table for Waste Characterization Memo

Response from Steve.

Rob Tidwell
Special Waste Executive
Nevada CEM

770 E. Sahara Ave.
Las Vegas, NV 89104
e tidwellr@republicservices.com
o 702-599-5907 c 702-423-2128
w www.RepublicServices.com



We'll handle it from here.™

From: Steve Clough [<mailto:steve.clough@nert-trust.com>]
Sent: Friday, April 05, 2019 1:52 PM
To: Greg Kinsall
Cc: John Pekala; Jonathan Sarich; Tidwell, Robert
Subject: RE: Table for Waste Characterization Memo

Note that (steve.clough@nert-trust.com) is an external email. Report suspicious emails by clicking on "Report Phishing", or forward to "infosec.phishing@republicservices.com"

Fine with me.

[Steve Clough](#)
[Remediation Director](#)
[Nevada Environmental Response Trust](#)
[510 S. Fourth Street](#)
[Henderson, NV 89015](#)
[Email: steve.clough@nert-trust.com](mailto:steve.clough@nert-trust.com)

Office: (702) 960-4309

Cell: (702) 686-9611

From: Greg Kinsall [mailto:GKinsall@ramboll.com]

Sent: Friday, April 05, 2019 11:48 AM

To: Steve Clough <steve.clough@nert-trust.com>

Cc: John Pekala <jpekala@ramboll.com>; Jonathan Sarich <JSARICH@ramboll.com>; Tidwell, Robert <RTidwell@republicservices.com>

Subject: Table for Waste Characterization Memo

Steve,

Sorry to have to bother you with this again. Republic had one more request for waste disposal approval. There was a sample listed on Table 2 (DSPE-3-2.5) from the September 2019 sampling event. The sample was apparently sent to the lab under "hold" and was never actually analyzed (there are acceptable samples above and below this sample). It should have been removed from Table 2 in the first place as there are no analytical results associated with the sample.

At the request of Rob Tidwell (Republic) we have removed the sample from Table 2 and Rob needs you to again forward your approval.

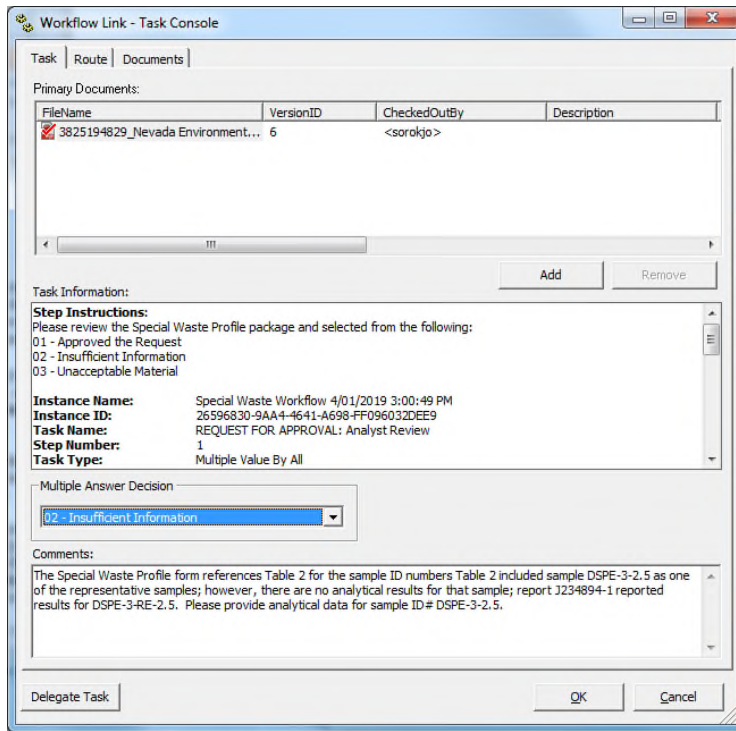
Thank you.

Gregory S. Kinsall, R.G.

Managing Consultant
1692741 - Phoenix

D +1 (602) 734-7711
M +1 (614) 579-3330
gkinsall@ramboll.com

Ramboll
2111 East Highland Avenue
Suite 402
Phoenix, AZ 85016
USA
www.ramboll.com



The Special

Waste Profile form references Table 2 for the sample ID numbers Table 2 included sample DSPE-3-2.5 as one of the representative samples; however, there are no analytical results for that sample; report J234894-1 reported results for **DSPE-3-RE-2.5**. Please provide analytical data for sample ID# DSPE-3-2.5.

TABLE 2. Pre-Excavation Soil Sample Results, which includes the Nevada Environmental Response Trust (NERT) Site, Waste Classification for Dioxin Soil Excavation sites (U.S.) Government (under the Defense Plant Corporation) as a Nevada Environmental Response Trust Site world War II and the plant was operated from August 31, 1942 to Henderson, Nevada cal Corporation acquired the site in 1967 and operated through 2005

Borehole ID	Sample ID	Depth (ft bgs)	Date
DSPE-3	DSPE-3-0.5	0.5-1	9/19/2018
	DSPE-3-RE-1.5	1-1.5	2/27/2019
	DSPE-3-1.5	1.5-2	9/19/2018
	DSPE-3-2.0	2-2.5	9/19/2018
	DSPE-3-RE-2.5	2-2.5	2/27/2019
	DSPE-3-2.5	2.5-3	9/19/2018
	DSPE-3-3.0	3-3.5	9/19/2018
	DSPE-3-RE-3.5	3-3.5	2/27/2019

Table 2 included sample DSPE-3-2.5; report J234894-1 reported results for **DSPE-3-RE-2.5**.

February 2019 Samples:
 DSPE-3-RE-1.5-20190227 (TTLC Meta
 DSPE-3-RE-2.5-20190227 (TTLC Meta
 DSPE-3-RE-3.5-20190227 (TTLC Meta
 DSPE-4-RE-1.0-20190227 (SVOCs, TC
 DSPE-5-RE-1.0-20190227 (PCBs, perc
 DSPE-6-RE-1.0-20190227 (PCBs, perc
 DSPE-7-RE-3.0-20190227 (TTLC Meta

The Special Waste Profile form references Table 2 for the sample ID numbers and Table 2 lists sample ID# DSPE-3-2.5 as one of the representative samples; however, there are no analytical results for that sample. Please provide analytical data for sample ID# DSPE-3-2.5. The laboratory results for this sample (DSPE-3-2.5) are included within pages 320 through 377 of the waste characterization memo provided. Attached for reference is the laboratory report (J234894-1) separate from the waste characterization memo.

Smith, Leanne

From: Tidwell, Robert
Sent: Wednesday, April 03, 2019 2:26 PM
To: Smith, Leanne
Subject: FW: Waste Profile

Here is the email approval from Steve.

Rob Tidwell

Special Waste Executive
Nevada CEM

770 E. Sahara Ave.
Las Vegas, NV 89104
e tidwellr@republicservices.com
o 702-599-5907 c 702-423-2128
w www.RepublicServices.com



We'll handle it from here.™

From: Steve Clough [<mailto:steve.clough@nert-trust.com>]
Sent: Wednesday, April 03, 2019 2:17 PM
To: Greg Kinsall
Cc: 'steve@ergnevada.com'; John Pekala; Tidwell, Robert
Subject: RE: Waste Profile

Note that (steve.clough@nert-trust.com) is an external email. Report suspicious emails by clicking on "Report Phishing", or forward to "infosec.phishing@republicservices.com"

I concur with the answers.

Steve Clough
Remediation Director
Nevada Environmental Response Trust
510 S. Fourth Street
Henderson, NV 89015
Email: steve.clough@nert-trust.com

Office: (702) 960-4309

Cell: (702) 686-9611

From: Greg Kinsall [mailto:GKinsall@ramboll.com]

Sent: Wednesday, April 03, 2019 2:14 PM

To: Steve Clough <steve.clough@nert-trust.com>

Cc: 'steve@ergnevada.com' <steve@ergnevada.com>; John Pekala <jpekala@ramboll.com>; Tidwell, Robert <RTidwell@republicservices.com>

Subject: RE: Waste Profile

Steve,

As discussed, please let Rob Tidwell at Republic know if you approve of the answers provided below. They say an return email from you is sufficient.

Thank you.

Gregory S. Kinsall, R.G.

Managing Consultant

D +1 (602) 734-7711

M +1 (614) 579-3330

gkinsall@ramboll.com

From: Greg Kinsall

Sent: Wednesday, April 03, 2019 1:27 PM

To: Tidwell, Robert <RTidwell@republicservices.com>

Cc: steve@ergnevada.com; John Pekala <jpekala@ramboll.com>; Dan Clark <dclark@ramboll.com>

Subject: RE: Waste Profile

Rob,

Thank you for your consideration on this matter. Per our discussion, attached are answers to the questions posed by your special waste staff (below in red). We have attached the February 2019 "Total" and "TCLP" reports separately for reference.

Hopefully this allows us to quickly move forward with authorization, but if you have any additional questions don't hesitate to contact us.

Gregory S. Kinsall, R.G.

Managing Consultant

D +1 (602) 734-7711

M +1 (614) 579-3330

gkinsall@ramboll.com

From: Tidwell, Robert [mailto:RTidwell@republicservices.com]

Sent: Wednesday, April 03, 2019 9:15 AM

To: Greg Kinsall <GKinsall@ramboll.com>

Cc: steve@ergnevada.com

Subject: RE: Waste Profile

Greg,

The approval group sent back some questions regarding the profile;

Here are all the questions special waste had

1. Please provide detail in Section III, Process Generating Waste: what is the source of the dioxins? There is no information to indicate that the soil to be excavated is from a listed specific or non-specific source, contains discarded commercial chemical products, or that any spills or releases of listed wastes have occurred in the area where soil excavation is being conducted. Therefore, soil removed from the site is not classified as listed waste under RCRA. The site has a long history of industrial activity (see answer to questions 2) which may have caused the dioxin impacts. However, there is no known specific source of dioxin.
2. Is the history of the site known: what activities and/or industries were on this site previously, and are they the source of the dioxins? The BMI Complex, which includes the Nevada Environmental Response Trust (NERT) Site, was initially developed by the United States (U.S.) Government (under the Defense Plant Corporation) as a magnesium production facility during World War II and the plant was operated from August 31, 1942 to November 15, 1944. Kerr McGee Chemical Corporation acquired the site in 1967 and operated through 2005 when they spun off the production facility to Tronox. Tronox operated on the property until they filed for Chapter 11 in 2009. The NERT was established in 2014 with the responsibility to investigate and remediate on- and off constituents of concern which consist primarily of perchlorate, VOCs/SVOCs, and hexavalent chromium
3. Were materials burned on-site, and is that the source of the dioxins? If yes, what materials were burned? There is no known record of burning materials on site.
4. How did the dioxins get into the soil? Throughout the long history of this site, there is no record of a specific source of dioxin. The site has a long history of industrial activity (see answer to questions 2) which may have caused the dioxin impacts.
5. Why is the dioxin containing soil being excavated? Excavation and disposal of these soils are part of planned soil removal activity to reduce elevated concentrations of contaminants in soil at the site.

The Special Waste Profile form references Table 2 for the sample ID numbers and Table 2 lists sample ID# DSPE-3-2.5 as one of the representative samples; however, there are no analytical results for that sample. Please provide analytical data for sample ID# DSPE-3-2.5. The laboratory results for this sample (DSPE-3-2.5) are included within pages 320 through 377 of the waste characterization memo provided. Attached for reference is the laboratory report (J234894-1) separate from the waste characterization memo.

Sample DSPE-4-1.0 reports 11 mg/KG Hexachlorobenzene; the Ramboll memo, in its discussion of RCRA Waste Classification for Total/TCLP SVOCs notes that this sample was not re-analyzed for TCLP because its holding time has been exceeded. Please have the generator obtain from this same location and have it reanalyzed for TCLP Hexachlorobenzene. The September 2018 and the February 2019 samples for total hexachlorobenzene were collected from the same boring (DSPE-4) from depths spanning 0.5 to 1.5 feet (total span of 12 inches). The higher total concentration of hexachlorobenzene from that 12-inch interval (14 mg/kg) was retested using the TCLP method and the result was reported as non-detected. These similar total concentrations collected within a 12-inch interval from the same boring, and exhibiting a non-detected TCLP result, are sufficient to characterize this 12-inch interval as non-hazardous. Attached for reference is the laboratory report (J234894-2) for this TCLP analysis.

Rob Tidwell

Special Waste Executive
Nevada CEM

770 E. Sahara Ave.

Las Vegas, NV 89104

e tidwellr@republicservices.com

o 702-599-5907 c 702-423-2128

w www.RepublicServices.com



We'll handle it from here.™

From: Greg Kinsall [<mailto:GKinsall@ramboll.com>]

Sent: Monday, April 01, 2019 2:36 PM

To: Tidwell, Robert

Subject: RE: Waste Profile

Note that (gkinsall@ramboll.com) is an external email. Report suspicious emails by clicking on "Report Phishing", or forward to "infosec.phishing@republicservices.com"

Sorry about that.

Gregory S. Kinsall, R.G.

Managing Consultant

D +1 (602) 734-7711

M +1 (614) 579-3330

gkinsall@ramboll.com

From: Tidwell, Robert [<mailto:RTidwell@republicservices.com>]

Sent: Monday, April 01, 2019 2:27 PM

To: Greg Kinsall <GKinsall@ramboll.com>

Subject: RE: Waste Profile

Please try again, it didn't make it.

Rob Tidwell

Special Waste Executive
Nevada CEM



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-1018		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 225 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-19	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Robert Perez	d. Signature Robert Perez	e. Date 04/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Drew Collins	f. Signature Drew Collins	g. Date 4-15-19	

Notes:

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**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RF19-1613		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 21821
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough			
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Gustavo	d. Signature <i>[Signature]</i>	e. Date 04-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Sue Collins		f. Signature <i>[Signature]</i>	g. Date 4-15-19

Notes:

7/11/19 207



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number [REDACTED]	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
--	----------------------------

k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket	2337 T

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-15-19
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>Evin Galindo</i>	<i>[Signature]</i>	04-15-19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Steve Collins</i>	<i>[Signature]</i>	4-15-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

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**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-1617		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2036
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4.15.19	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature Elvin Guzman	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Sue Collins	f. Signature Sue Collins	g. Date 4-15-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-1014		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 23851
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4.15.19	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID	d. Signature <i>[Signature]</i>	e. Date 4/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Michelle [Signature]		f. Signature <i>[Signature]</i>	
		g. Date 4/15/19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE10-01-1		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2088 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations: I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough			
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAN BAKER	d. Signature [Signature]	e. Date 4/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Michelle Bowden	f. Signature [Signature]	g. Date 4/15/19	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
			Trucks		See Scale Ticket 2037
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature <i>Steve Clough</i>		Date 4/15/19	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking			b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ			Signature <i>Jorge Velazquez</i>		e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:		
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
Michelle Bowe		Signature <i>M. Bowe</i>		Date 4/15/19	
e. Name of Authorized Agent (Print)		f. Signature		g. Date	

Notes:

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EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NA1906127		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 23467
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations: I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4/15/19	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Eddy Lopez	d. Signature [Signature]	e. Date 4.15.19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) [Signature]	f. Signature [Signature]	g. Date 4/15/19	

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**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-1619		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket
p. Unit Wt/Vol 2395					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-15-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) KP	d. Signature <i>[Signature]</i>	e. Date 4/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
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Notes:

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**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-10		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2169T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Michelle Bowden		Michelle Bowden	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4/15/19	

Notes:

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EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-19-161-11		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2343 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature <i>Steve Clough</i>		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELIZQUEZ	d. Signature <i>Jorge Velizquez</i>	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature <i>[Signature]</i>	g. Date 4/18/19

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-12		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2296 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature: <i>Steve Clough</i>		s. Date: 4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>David Hony</i>	d. Signature <i>[Signature]</i>	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>KR</i>	f. Signature <i>[Signature]</i>	g. Date 4/15/19	

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

License plate 97977A

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-13		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	W/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1971 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature Elvin Guzman	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature [Signature]	g. Date 4/15/19	

Notes:

102024P / 207



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-9-16		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2007 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) GUM	d. Signature <i>[Signature]</i>	e. Date 04-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature <i>[Signature]</i>	g. Date 4/15/19	

Notes:

102809P / 02
PREMIE



EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NA191015		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2134 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-15-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) [Signature]	d. Signature [Signature]	e. Date 4-15-2019

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature [Signature]	g. Date 4/15/19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-16		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2105 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature: <i>Steve Clough</i>		Date: 4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature <i>Roberto</i>	e. Date 04/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature <i>[Signature]</i>	g. Date 4/15/19	

Notes:

102009P/110



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RET9-181-17		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 7135
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:

102157P/100



EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-16118		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		See Scale Ticket	21715
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature <i>Steve Clough</i>		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking			b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ		d. Signature <i>Jorge Velazquez</i>		e. Date 4-15-19	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:		e. Discrepancy Indication Space:	
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
KR		Signature <i>[Signature]</i>		4/15/19	
e. Name of Authorized Agent (Print)		f. Signature		g. Date	

Notes:

97147P/011



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number FE19-161-19		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1993
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) David Young	d. Signature <i>[Signature]</i>	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature <i>[Signature]</i>	g. Date 4/15/19	

Notes:

07



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

License 97977 P
plate

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-20		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2170
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature Elvin Guzman	e. Date 4-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature [Signature]	g. Date 4/15/19	

Notes:

102024P / 207



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-21		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket 2064 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations: I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Galindo	d. Signature 	e. Date 04-15-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature 	g. Date 4/15/19	

Notes:

102809-P
Premier/02



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

i. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-22		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1891 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-15-2019	

ii. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Gustavo	d. Signature <i>Gustavo</i>	e. Date 04-15-2019

iii. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>KR</i>	f. Signature <i>[Signature]</i>	g. Date 4/15/19	

Notes:

95652P/696



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE 19-161-23		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks	See Scale Ticket	2139 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law. has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature Roberto	e. Date 05/15/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)		f. Signature	g. Date

Notes:

102009P/110



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NA-19-1012		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks	See Scale Ticket	2493
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-15-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature [Signature]	g. Date 4/15/19

Notes:

97147P / 011



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-161-25	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
				Trucks	See Scale Ticket	23885

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-15-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>David Young</i>	<i>David Young</i>	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge, the foregoing is true and accurate.		
<i>KR</i>	<i>[Signature]</i>	4/15/19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

102157P/100



EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-161-20	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
--	----------------------------

k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers		o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2305 T
			No.	Type Trucks		

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-15-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

c. Driver Name (Print) TORGE VELAZQUEZ	d. Signature <i>Torge Velazquez</i>	e. Date 4-15-19
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III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>KR</i>	<i>[Signature]</i>	4/15/19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

1020098



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit Wt/Vol
			No.	Type	o. Total Quantity
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1890 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Dan H	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Pardo		f. Signature [Signature]	g. Date 4/16/19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

102157P

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2013 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) BORGE VELAZQUEZ		
Signature <i>[Signature]</i>		e. Date 4-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
f. Name of Authorized Agent (Print) <i>[Signature]</i>		g. Date 4-16-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

97147P

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 702-161-29		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 19.99 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) David Young	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Kaul		f. Signature [Signature]	g. Date 4-16-19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

90822P

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number ██████████		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
CHARIS WATTS	Chris Watts	4-16-19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Name: [Signature]		[Signature]	
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

207

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 702-960-4309		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2060 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Eivin Galindo	d. Signature <i>[Signature]</i>	e. Date 04-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Parele		f. Signature <i>[Signature]</i>	
		g. Date 4-16-19	

Notes:

9565 LT/674



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

696

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-33		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015 j. Phone No.: 702-960-4309					
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil		n. Containers No. Type	p. Unit Wt/Vol
Soil Excavation	NA			Trucks	See Scale Ticket 1992 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature <i>Roberto</i>	e. Date 04/16/21

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Donald Paul</i>	f. Signature <i>Donald Paul</i>	g. Date 4/16/21	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

Jireh Trucking

License plate 979 77 P

NON-HAZARDOUS WASTE MANIFEST

07

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-16142		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1958 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature <i>Elvin Guzman</i>	e. Date 4-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Powell	f. Signature <i>Daniel Powell</i>	g. Date 4/16/19	

Notes:

102009P / 10



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE 19-181-50		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2278 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Don Baxter</i>	d. Signature <i>Don Baxter</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>KR</i>	f. Signature <i>[Signature]</i>	g. Date 4/16/19	

Notes:

102157P/100



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 22.00 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) <i>JORGE VELAZQUEZ</i>		
Signature <i>J. Velazquez</i>		e. Date 4-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>KP</i>		f. Signature <i>[Signature]</i>	g. Date 4/16/19

Notes:

97147P/011



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2344 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) HUI YOUNG	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature [Signature]	g. Date 4/16/19	

Notes:

90822P / 2291



EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2250 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) CHRIS WATTS	d. Signature <i>Chris Watts</i>	e. Date 4-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) RP	f. Signature <i>[Signature]</i>	g. Date 4/16/19	

Notes:

53581A/01



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST**I. GENERATOR (Generator completes)**

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-10-1018		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2211 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR-268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)		f. Signature	g. Date

Notes:

207



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2346 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Evan Galindo</i>	d. Signature <i>[Signature]</i>	e. Date <i>04-16-19</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Daniel Parde</i>		f. Signature <i>[Signature]</i>	
		g. Date <i>4/16/19</i>	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

Jireh Trucking #07

License plate 97977D

07

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number WRETS-16140		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2364 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Elvin Guzman</i>	d. Signature <i>Elvin Guzman</i>	e. Date <i>4-16-19</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Daniel Pardo</i>	f. Signature <i>Daniel Pardo</i>	g. Date <i>4/16/19</i>	

Notes:



NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REDACTED		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2215 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature <i>Roberto</i>	e. Date 04/16/16

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature <i>[Signature]</i>	g. Date 4/16/19	

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REDACTED		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2327 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada			
c. Driver Name (Print) Dan Baxter 10		d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature	g. Date 4/16/19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2270 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ	Signature <i>J. V.</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature <i>[Signature]</i>	g. Date 4/16/19

Notes:

97147P/011



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2260 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID YOUNG	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
KR		[Signature]	
e. Name of Authorized Agent (Print)	f. Signature	g. Date 4/16/19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity 2078 p. Unit Wt/Vol T
Soil Excavation					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada			
c. Driver Name (Print) PHIL PETERS		d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Powell		f. Signature [Signature]	g. Date 4-16-19

Notes:

90822 P/2291



EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-16190		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1724 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Chris Watts	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Parde	f. Signature [Signature]	g. Date 4-16-19	

Notes:

97977P/07



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol 2030 T
o. Total Quantity See Scale Ticket					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elin Gynn	d. Signature [Signature]	e. Date 4-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature [Signature]	g. Date 4/16/19

Notes:

102029P/207



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE191014		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket
					p. Unit Wt/Vol 1966 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Clayton Gallardo</i>	d. Signature <i>[Signature]</i>	e. Date 04-16-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>[Signature]</i>	f. Signature <i>[Signature]</i>	g. Date 4/16/19	

Notes:

956742/676



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number [REDACTED]	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket	2007 T

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-16-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
<i>Roberto Perez</i>	<i>Roberto</i>	04/16/19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
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Notes:

102009P/10



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2093 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
[Signature]		
c. Driver Name (Print) DAN BARTON 10	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
[Signature]		[Signature]	
e. Name of Authorized Agent (Print)		g. Date 4/16/19	

Notes:

97147K1011



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RET-1010		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket 2073 7
p. Unit Wt/Vol					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-16-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID GOODY	d. Signature <i>David Goody</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR	f. Signature <i>[Signature]</i>	g. Date 4/16/19	

Notes:

102157P/100 2



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 102157P		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit Wt/Vol
			No.	Type	o. Total Quantity
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2173 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) KR		f. Signature [Signature]	
		g. Date 4/16/19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-53		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks	See Scale Ticket	2473 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-16-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
Chris Watts	[Signature]	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
VR	[Signature]	4/16/19	
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:



NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 1999 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAV BAKER 10		e. Date
d. Signature		e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature [Signature]	g. Date 4-18-19

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-161-53	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
--	----------------------------

k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers		o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 19.33 TONS
			No.	Type Trucks		

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-18-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada	<i>[Signature]</i>	e. Date
ED SMITH		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Jason Swanson</i>	<i>[Signature]</i>	4-18-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

1/19/19
011



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE1906157		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Quantity Wt/Vol See Scale Ticket 20.64
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) David Young	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>[Signature]</i>	g. Date 4-18-19	

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2081 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-18-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking			b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ					
Signature <i>[Signature]</i>		e. Date 4-18-19			

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:		
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature <i>[Signature]</i>		g. Date 4-18-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number FE 19-161-59		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit W/Vol
			No.	Type	
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1882 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Galindo	d. Signature <i>[Signature]</i>	e. Date 04-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print) Michelle Balle	f. Signature <i>[Signature]</i>	g. Date 4/18/19
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Notes: MOONLIGHT



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

07
Jireh Trucking

License plate 97977 P

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REMOVED		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 19.68 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature Elvin Guzman	e. Date 4-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Michelle Borden		Michelle Borden	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4/18/19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-101-50		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	W/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 20.34 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
Roberto Perez	Roberto	04/18/19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Swanson		Jason Swanson	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-18-19	

Notes:

Black Truck



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE 19-181-81		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1972 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) Dan Baxter 10		
d. Signature		e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Swanson		[Signature]	
e. Name of Authorized Agent (Print)		g. Date 4-18-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 19.8 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) ED SMITH	d. Signature [Signature]	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature [Signature]	g. Date 4-18-19

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REDACTED		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2069 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID YOUNG	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) JASON SWANSON		f. Signature <i>[Signature]</i>	g. Date 4-18-19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit Wt/Vol
			No.	Type	
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1997 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) Jorge Velazquez		
Signature [Signature]		e. Date 4-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Swanson		[Signature]	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-18-19	

Notes:



NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-66		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1974 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Evin Galindo	d. Signature <i>[Signature]</i>	e. Date 04-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
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Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-1645		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
			Trucks		See Scale Ticket 1923 1
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Jason Schmidt	d. Signature <i>Jason Schmidt</i>	e. Date 4 18 19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Schmidt		<i>Jason Schmidt</i>	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4 18 19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

*Jireh Trucking
License plate 97977*

07

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-19-167-03		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
			Trucks		See Scale Ticket 2011 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-18-2019 SF	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature <i>Elvin Guzman</i>	e. Date 4-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:

A-40



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE 19101-00		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1963 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Tom V	d. Signature Tom Valadez	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature [Signature]	g. Date 4-18-19

Notes:

Black
Truck



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 20.3 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
[Signature]		10
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
[Signature]		[Signature]	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-18-19	

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket 20 U2 TN
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-18-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) ED SMITH	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Dejon Swadlow</i>	f. Signature <i>[Signature]</i>	g. Date 4-18-19	

Notes:

9565 LT/690



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-18170		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 1983 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature Roberto	e. Date 04/18/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature JS	g. Date 4-18-19

Notes:

71800



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

97147P

011

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-72		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1817 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID YOUNG	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Carole Murd		f. Signature <i>[Signature]</i>	g. Date 4-18-19

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REF19-164-79		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 1915 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ	Signature	e. Date 4-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Carol Muvadi		f. Signature	g. Date 4-18-19

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE18-15		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2069 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-18-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Eivin Galindo	d. Signature <i>Eivin Galindo</i>	e. Date 04-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Steven Swanson	f. Signature <i>SS</i>	g. Date 4 18 19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-75		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2019 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Jesse MARTINEZ	d. Signature <i>[Signature]</i>	e. Date 4 18 19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jibon Swanson	f. Signature <i>[Signature]</i>	g. Date 4 18 19	

Notes:

Black Truck



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number FE19-16179		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol 2113 T
o. Total Quantity See Scale Ticket					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Dan Ballew 10		
d. Signature		e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Swanson		4 18 19	
e. Name of Authorized Agent (Print)		g. Date	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-16157	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket	2063 J

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-18-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>Tom Calk</i>	<i>Tom Calk</i>	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Jason Swanson</i>	<i>JS</i>	4-18-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

Jireh Trucking

License plate 97977P

07

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-79		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket <i>1983</i> <i>J</i>
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
g. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-18-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature <i>Elvin Guzman</i>	e. Date 4-18-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>JS</i>	g. Date 4 18 - 19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE10-161-20		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 1942 J
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swenson		f. Signature JS	g. Date 4-18-19

Notes:

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EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NE19-18190		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2045 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
Roberto Perez	Roberto	04/18/19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Jason Swanson	JS	4-18-19	
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE-1000		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1976 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID MANN	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>[Signature]</i>	g. Date 4-18-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number E19-161-82		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Quantity 2105 T
o. Total Quantity See Scale Ticket					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature <i>Steve Clough</i>		s. Date 4-18-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		b. Las Vegas, Nevada	
c. Driver Name (Print) <i>JORGE VELAZQUEZ</i>		Signature <i>Jorge Velazquez</i>	
		e. Date 4-18-19	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:		e. Discrepancy Indication Space:	
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
Jason Swanson		Signature <i>JS</i>		g. Date 4 18 19	
e. Name of Authorized Agent (Print)		f. Signature		g. Date	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NE19-191-99		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2006 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID YOUNG	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature JS	g. Date 4-19-19

Notes:

Black Truck



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

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NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-1818		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	W/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1915 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Darr Baxter	d. Signature	e. Date 10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature	g. Date 4 19 19	

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-18733		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2076 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		b. Las Vegas, Nevada			
c. Driver Name (Print) Jorge Velazquez		d. Signature <i>[Signature]</i>		e. Date 4-19-19	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:		
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
Jason Swanson		JS		4-19-19	
e. Name of Authorized Agent (Print)		f. Signature		g. Date	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-96		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2074 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-19-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) PHIL PETERS	d. Signature <i>Phil Peters</i>	e. Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>JS</i>	g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-191-97	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers		o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 2012 T
			No.	Type Trucks		

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-19-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>CHRIS WATTS</i>	<i>Chris Watts</i>	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Dason Swanson</i>	<i>DS</i>	4-19-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

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EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

License plate 97977P
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NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-181-00	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers		o. Total Quantity See Scale Ticket	p. Unit Wt/Vol 1957 T
			No.	Type Trucks		

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-19-2019
g. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>Elwin Guzman</i>	<i>Elwin Guzman</i>	4-19-2019
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Jason Swanson</i>	<i>JS</i>	4 19 19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REF-151-00		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity 1970 T	p. Unit Wt/Vol
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 of any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Galindo	d. Signature 	e. Date 04-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) JASON SWANSON	f. Signature 	g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE1216189		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Quantity See Scale Ticket 1959 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-19-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>SO MALONE</i>	d. Signature <i>[Signature]</i>	e. Date 4/19/2019

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>JASON SWANSON</i>	f. Signature <i>[Signature]</i>	g. Date 4 19 19	

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-181-01	c. Page 1 of 1
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d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
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k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1966 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-19-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada

<i>David Clough</i>	<i>[Signature]</i>	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-e and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
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I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Jacob Swanson</i>	<i>[Signature]</i>	4-19-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2087 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
[Signature]		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:	
b. 13550 US Hwy. 95 North				
c. Las Vegas Nevada 89165				
d. Phone: 702-599-5920				
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.				
[Signature]		[Signature]		4-19-19
e. Name of Authorized Agent (Print)		f. Signature		g. Date

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE1916199		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2062 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking			b. Las Vegas, Nevada		
c. Driver Name (Print) Jorge Velazquez		d. Signature <i>[Signature]</i>		e. Date 4-17-19	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:		
b. 13550 US Hwy. 95 North					
c. Las Vegas Nevada 89165					
d. Phone: 702-599-5920					
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.					
Daniel Pardo		Daniel Pardo		4-19-19	
e. Name of Authorized Agent (Print)		f. Signature		g. Date	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REP 181 94		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity 2023	p. Unit Wt/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) PHIL PETERS	d. Signature <i>Phil Peters</i>	e. Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>David Paudo</i>	f. Signature <i>David Paudo</i>	g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-95		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 1961 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Chris Watts	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Pardo	f. Signature <i>[Signature]</i>	g. Date 4-19-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2074 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Eduin Galindo	d. Signature [Signature]	e. Date 04-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Carol Parde		f. Signature [Signature]	g. Date 4-19-19

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

*Site Tracking
07*

License plate 97977P

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks	See Scale Ticket 1956	T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-19-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Guzman	d. Signature <i>Elvin Guzman</i>	e. Date 4-19-2019

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
f. Name of Authorized Agent (Print) <i>[Signature]</i>		g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-99		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity See Scale Ticket 1918	p. Unit Wt/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) David Young	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-e and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature <i>[Signature]</i>	g. Date 4-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 702-19-16-19		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity 2007	p. Unit Wt/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Dan Baxter		
d. Signature		e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Daniel Pardo		f. Signature <i>Daniel Pardo</i>	g. Date 4-19

Notes:

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EARTH RESOURCE GROUP
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RES-1919		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2019 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Jose Martinez	d. Signature <i>[Signature]</i>	e. Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Daniel Parde		<i>[Signature]</i>	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-191		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket 2038 T	p. Unit Wt/Vol
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) TORRE VILAZQUEZ		
Signature <i>Torre Vilazquez</i>		e. Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Daniel Pardo		<i>Daniel Pardo</i>	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-19-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

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NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-181-102		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 1990 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
Chris Watts	Chris Watts	4-19-19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Daniel Pardo		Daniel Pardo	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-19-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-167-113		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket 2163
p. Unit T					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-19-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) PHIL PETERS	d. Signature <i>Phil Peters</i>	e. Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Donnel Park</i>	f. Signature <i>Donnel Park</i>	g. Date 4-19	

Notes:



*Jireh Trucking
07*

license plate 97977

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-106		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket 2044 T	p. Unit Wt/Vol
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Elvin Guzman</i>	d. Signature <i>Elvin Guzman</i>	e. Date <i>4-19-2019</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Jason Swanson</i>	f. Signature <i>JS</i>	g. Date <i>4-19-19</i>	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-104		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity 2093	p. Unit Wt/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) <i>Ellen Galindo</i>	d. Signature <i>[Signature]</i>	e. Date <i>04-19-19</i>

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Jayson Swanson</i>	f. Signature <i>[Signature]</i>	g. Date <i>4-19-19</i>	

Notes:


**EARTH
RESOURCE GROUP**
 ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity See Scale Ticket 699T
p. Unit Wt/Vol					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-19-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAN Baxter 10	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) JASON SWANSON	f. Signature <i>JS</i>	g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number RE19-161-108	c. Page 1 of 1
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560	

Generator site location (if different):
i. Site Location: 510 S. 4th Street, Henderson NV 89015

j. Phone No.: 702-960-4309

k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1935 T	

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-19-2019
g. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
<i>Tom Martinez</i>	<i>[Signature]</i>	4 19 2019
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920	d. US EPA #:	e. Discrepancy Indication Space:
--	--------------	----------------------------------

I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>Jason Swanson</i>	<i>[Signature]</i>	4-19-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:



EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-101-100		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity 1970 T
p. Unit Wt/Vol					
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
DAVID YOUNG	David Young	
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
JASON SWANSON	J.S.	4-19-10	
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

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NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-161-109		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 2010 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ	Signature	Date 4-19-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Daniel Pardo		Daniel Pardo	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-19-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE19-101-110		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket 2000	p. Unit Wt/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-19-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
Chris Watts	Chris Watts	4-19-19
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
Daniel Pardo		Daniel Pardo	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date 4-19-19	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers	o. Total Quantity	p. Unit Wt/Vol
			No.	Type	
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1877 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date
PAUL PETERS	[Signature]	4-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature	g. Date	
Jensen Swanson	[Signature]	4-20-19	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number DE19-181-110		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 1933 J
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Signature <i>Steve Clough</i>		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAN BARTER 10		e. Date
d. Signature <i>DAN BARTER</i>		e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature <i>JS</i>	g. Date 4-20-19

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity 1976	p. Unit WT/Vol T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAVID GOUNZ	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)	f. Signature	g. Date	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number REIS 103		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type		p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks		See Scale Ticket 2117 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) JORGE VELAZQUEZ	Signature <i>[Signature]</i>	e. Date 4-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Dobson Swanson		f. Signature <i>[Signature]</i>	g. Date 4-20-19

Notes:



NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RETS 101		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		p. Unit
			No.	Type	Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1907 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		<i>Steve Clough</i>		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking		
b. Las Vegas, Nevada		
c. Driver Name (Print) TINO SANCHEZ	d. Signature <i>Tino Sanchez</i>	e. Date 4-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services		d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North			
c. Las Vegas Nevada 89165			
d. Phone: 702-599-5920			
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
<i>Jason Swanson</i>		4-20-19	
e. Name of Authorized Agent (Print)		f. Signature	
		g. Date	

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		o. Total Quantity p. Unit Wt/Vol See Scale Ticket 1811 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature <i>Roberto</i>	e. Date 04/20/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Jason Swanson</i>	f. Signature <i>JS</i>	g. Date 4 20 19	

Notes:

2



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2022 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>Jensen Swenson</i>		f. Signature <i>[Signature]</i>	g. Date 4-20-19

Notes:

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 102079 P
 73160



**EARTH
 RESOURCE GROUP**
 ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2006 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		[Signature]		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Elvin Galindo	d. Signature [Signature]	e. Date 04-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature [Signature]	g. Date 4-20-19	

Notes:

Cruz Trucking 11C 102809 P

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number XXXXXXXXXX		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks	o. Total Quantity See Scale Ticket 2172 T	p. Unit Wt/Vol
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-20-2019	
g. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Custaro	d. Signature Custaro	e. Date 04-20-2019

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print)		f. Signature	g. Date

Notes:



**EARTH
RESOURCE GROUP**
ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 702-161-177		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type	o. Total Quantity	p. Unit Wt/Vol
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil	Trucks	See Scale Ticket 2007 T	
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) PAUL PETERS	d. Signature <i>Paul Peters</i>	e. Date 4-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson		f. Signature <i>JS</i>	g. Date 4-20-19

Notes:

76000



NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2019 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) DAN ID		
d. Signature	e. Date	

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		e. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
f. Name of Authorized Agent (Print)		g. Signature	
Notes:		g. Date	


EARTH RESOURCE GROUP
 ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number NA		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Quantity Wt/Vol See Scale Ticket 1735 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) David Young	d. Signature <i>David Young</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>JS</i>	g. Date 4-20-19	

Notes:

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EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA	b. Manifest Document Number [REDACTED]	c. Page 1 of 1
---------------------------------------	---	----------------

d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309	e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560
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Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015	j. Phone No.: 702-960-4309
--	----------------------------

k. Republic Profile # 3825 19 4829	l. Exp. Date	m. Waste Description	n. Containers		o. Total Quantity	p. Unit Wt/Vol
			No.	Type		
Soil Excavation	NA	Non-Hazardous Dioxin Impacted Soil		Trucks	See Scale Ticket 1840	T

GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.

Steve Clough	<i>Steve Clough</i>	4-20-2019
q. Generator Authorized Agent Name (Print)	r. Signature	s. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking
b. Las Vegas, Nevada

c. Driver Name (Print) <i>JORGE VELAZQUEZ</i>	Signature <i>[Signature]</i>	e. Date <i>4-20-19</i>
---	------------------------------	------------------------

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Republic Services	d. US EPA #:	e. Discrepancy Indication Space:
b. 13550 US Hwy. 95 North		
c. Las Vegas Nevada 89165		
d. Phone: 702-599-5920		

I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

<i>JASON SWANSON</i>	<i>[Signature]</i>	4-20-19
e. Name of Authorized Agent (Print)	f. Signature	g. Date

Notes:

2

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number 1817T		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Quantity Wt/Vol See Scale Ticket 1817T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) STEVE WEBER	d. Signature <i>[Signature]</i>	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) <i>[Signature]</i>	f. Signature <i>[Signature]</i>	g. Date 4-20-19	

Notes:

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956524/696



EARTH RESOURCE GROUP ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number [REDACTED]		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 2374 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
q. Generator Authorized Agent Name (Print) Steve Clough		r. Signature <i>Steve Clough</i>		s. Date 4-20-2019	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Roberto Perez	d. Signature <i>Roberto</i>	e. Date 04/20/19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>JS</i>	g. Date 4-20-19	

Notes:

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EARTH RESOURCE GROUP

ENVIRONMENTAL SERVICES

NON-HAZARDOUS WASTE MANIFEST

I. GENERATOR (Generator completes)

a. Generator's US EPA ID Number NA		b. Manifest Document Number RE10161129		c. Page 1 of 1	
d. Generator's Information: Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago, Illinois 60601 702-960-4309			e. Billing Information: Earth Resource Group 6041 Clark Street Las Vegas, NV 89122 Phone: 702-749-7560		
Generator site location (if different): i. Site Location: 510 S. 4th Street, Henderson NV 89015			j. Phone No.: 702-960-4309		
k. Republic Profile # 3825 19 4829	l. Exp. Date NA	m. Waste Description Non-Hazardous Dioxin Impacted Soil	n. Containers No. Type Trucks		p. Unit Wt/Vol See Scale Ticket 967 T
GENERATOR'S CERTIFICATION: I hereby certify that the above-named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268.					
Steve Clough		Steve Clough		4-20-2019	
q. Generator Authorized Agent Name (Print)		r. Signature		s. Date	

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. CNE Trucking b. Las Vegas, Nevada		
c. Driver Name (Print) Ewin Galindo	d. Signature <i>[Signature]</i>	e. Date 04-20-19

III. DESTINATION (Generator complete IIIa-c and Destination Site completes III d-g)

a. Republic Services b. 13550 US Hwy. 95 North c. Las Vegas Nevada 89165 d. Phone: 702-599-5920		d. US EPA #:	e. Discrepancy Indication Space:
I hereby certify that the above-named material has been accepted and to the best of my knowledge the foregoing is true and accurate.			
e. Name of Authorized Agent (Print) Jason Swanson	f. Signature <i>[Signature]</i>	g. Date 4-20-19	

Notes:



Republic Services, Inc.

18500 N. Allied Way, Phoenix, AZ 85054

SPECIAL WASTE DEPARTMENT DECISION

Waste Profile #
3825197207

Expiration Date
4/16/2020

I. Decision Request:

[X] Initial [] Recertification [] Change

Disposal Facility: 3825 - Apex Regional Landfill (Silver State Disposal)

Generator Name: Nevada Environmental Response Trust

Generator Site Address: 510 S 4th Street

City: Henderson

County:

State: NV

Zip:

Name of Waste: Non Hazardous Solid Waste

Estimated Annual Volume: 250 Tons

II. Special Waste Department Decision:

[X] Approved [] Rejected

Management Method(s): [X] Landfill [] Solidification [] Bioremediation [] Deep Well [] Transfer Facility

Problematic Special Waste according to Republic? [] Yes [X] No

If yes, which one? []

Approved by Special Waste Review Committee? [] Yes [] No [X] Not Applicable

Precautions, Conditions or Limitations on Approval

[Empty text box for precautions, conditions or limitations on approval]

Special Waste Analyst Signature:

[Handwritten signature]

Date: 5/16/2019

Name (Printed): MARK PHILLIPS

III. Facility Decision:

[] Approved [] Rejected

Precautions, Conditions or Limitations on Approval

[Empty text box for precautions, conditions or limitations on approval]

By signing below, the General Manager or Designee agrees that a fully executed Special Waste Service Agreement is on file for this profile and that the special waste file is complete.

General Manager or Designee: _____

Name (Printed): _____

Date: 5/16/2019



Requested Disposal Facility: 3825 Apex Regional LF NV

Waste Profile #

Saveable fill-in form. Restricted printing until all required (yellow) fields are completed.

I. Generator Information

Sales Rep #:

Generator Name: Nevada Environmental Response Trust			
Generator Site Address: 510 S. 4th Street			
City: Henderson	County: Clark	State: Nevada	Zip: 89015
State ID/Reg No:	State Approval/Waste Code:	(if applicable)	NAICS # :
Generator Mailing Address (if different): <input checked="" type="checkbox"/> 35 East Wacker Drive, Suite 1550			
City: Chicago	County: Cook	State: Illinois	Zip: 60601
Generator Contact Name: Steve Clough		Email: steve.clough@nert-trust.com	
Phone Number: (702) 960-4309	Ext:	Fax Number:	

II. Billing Information

Bill To: Ramboll	Contact Name: Dan Clark		
Billing Address: 2200 Powell Street, 7th Floor	Email: dclark@ramboll.com		
City: Emeryville	State: CA	Zip: 94608	Phone: (510) 420-2563

III. Waste Stream Information

Name of Waste: Nonhazardous Solid Waste	
Process Generating Waste: Excavated dioxin-containing soil, see attached analytical data	
Type of Waste:	<input type="checkbox"/> INDUSTRIAL PROCESS WASTE <input checked="" type="checkbox"/> POLLUTION CONTROL WASTE
Physical State:	<input checked="" type="checkbox"/> SOLID <input type="checkbox"/> SEMI-SOLID <input type="checkbox"/> POWDER <input type="checkbox"/> LIQUID
Method of Shipment:	<input checked="" type="checkbox"/> BULK <input type="checkbox"/> DRUM <input type="checkbox"/> BAGGED <input type="checkbox"/> OTHER:
Estimated Annual Volume:	250 Tons
Frequency:	<input checked="" type="checkbox"/> ONE TIME <input type="checkbox"/> ONGOING
Disposal Consideration:	<input checked="" type="checkbox"/> LANDFILL <input type="checkbox"/> SOLIDIFICATION <input type="checkbox"/> BIOREMEDIATION

IV. Representative Sample Certification NO SAMPLE TAKEN

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA 40 CFR 261.20(c) guidelines or equivalent rules?	<input checked="" type="checkbox"/> YES or <input type="checkbox"/> NO
Type of Sample:	<input type="checkbox"/> COMPOSITE SAMPLE <input checked="" type="checkbox"/> GRAB SAMPLE
Sample Date: 4/1/2019	
Sample ID Numbers: ECA-COMPOSITE	

Waste Profile #

V. Physical Characteristics of Waste

Characteristic Components	% by Weight (range)				
1. Soil	95-100%				
2. Debris (rock, concrete)	0-5%				
3.					
4.					
5.					
Color	Odor (describe)	Does Waste Contain Free Liquids?	% Solids	pH:	Flash Point
Brown	None	<input type="checkbox"/> YES or <input checked="" type="checkbox"/> NO	100	9.6	N/A °F

Attach Laboratory Analytical Report (and/or Material Safety Data Sheet) Including Chain of Custody and Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2,4-D, or 2,4,5-TP Silvex as defined in 40 CFR 261.33?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain reactive sulfides (greater than 500 ppm) or reactive cyanide (greater than 250 ppm)[reference 40 CFR 261.23(a)(5)]?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in 40 CFR Part 761?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain concentrations of listed hazardous wastes defined in 40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste exhibit a Hazardous Characteristic as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does this waste contain regulated concentrations of 2,3,7,8-Tetrachlorodibenzodioxin (2,3,7,8-TCDD), or any other dioxin as defined in 40 CFR 261.31?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste a reactive or heat generating waste?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Does the waste contain sulfur or sulfur by-products?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste generated at a Federal Superfund Clean Up Site?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No
Is this waste from a TSD facility, TSD like facility or consolidator?	<input type="checkbox"/> Yes or <input checked="" type="checkbox"/> No

VI. Certification

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true, complete and accurate description of the waste material being offered for disposal and all known or suspected hazards have been disclosed. All Analytical Results/Material Safety Data Sheets submitted are truthful and complete and are representative of the waste.

I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste or infectious waste, or any other waste material this facility is prohibited from accepting by law. I shall immediately give written notice of any change or condition pertaining to the waste not provided herein. Our company hereby agrees to fully indemnify this disposal facility against any damages resulting from this certification being inaccurate or untrue.

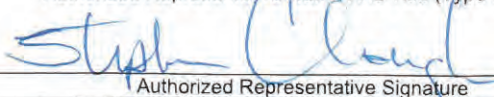
I further certify that the company has not altered the form or content of this profile sheet as provided by Republic Services Inc.

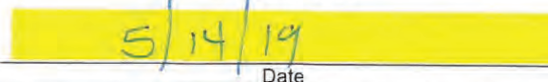
Stephen Clough, Remediation Director

Nevada Environmental Response Trust

Authorized Representative Name And Title (Type or Print)

Company Name





Authorized Representative Signature

Date

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number
INDUSTRIAL

2. Page 1 of
1

3. Emergency Response Phone
877-725-1108

4. Waste Tracking Number
13246-1

5. Generator's Name and Mailing Address
Nevada Environmental Response Trust
35 East Wacker Drive, Suite 1550
Chicago IL 60601

Generator's Site Address (if different than mailing address)
Nevada Environmental Response Trust
410 South 4th Street
Henderson NV 89015

Generator's Phone: 702 960-4309

6. Transporter 1 Company Name
MP ENVIRONMENTAL

U.S. EPA ID Number
CAT000624247

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic - APEX Regional Landfill
13550 US-93
Las Vegas NV 89165

U.S. EPA ID Number

Facility's Phone: 702 599-5920

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. NON RCRA, NON HAZARDOUS SOLID WASTE, (EXCAVATED SOIL CONTAINING DIOXINT)

001 Cm

NONE

13. Special Handling Instructions and Additional Information

Bin # 7083
SOP # 13246

1)

Profile # 3825 19 7201
Ticket # 1100 1/2

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Signature

Month Day Year

STEPHEN CHOURIT

Stephen Chourit

5 14 2019

15. International Shipments Import to U.S. Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Bryan Mack

Bryan Mack

5 30 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

Daniel Pado

[Signature]

5 30 19

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78710
Date: 05/30/2019
Time In: 3:44 pm
Time Out: 4:30 pm

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: 709

Gross Weight: 73,720 LB Manual In
Tare Weight: 38,140 LB Manual Out
Net Weight: 35580 LB
Net Tons: 17.79

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	17.79	TN

Driver: _____

Weighmaster: _____

pardoda

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services, Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/or resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios, compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas, penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

#709

NON-HAZARDOUS
WASTE MANIFEST

1. Generator ID Number
INDUSTRIAL

2. Page 1 of 1

3. Emergency Response Phone
877-725-1108

4. Waste Tracking Number
13246-Z

5. Generator's Name and Mailing Address
Nevada Environmental Response Trust
35 East Wacker Drive, Suite 1550
Chicago IL 60601
Generator's Phone: 702 980-4309

Generator's Site Address (if different than mailing address)
Nevada Environmental Response Trust
410 South 4th Street
Henderson NV 89015

6. Transporter 1 Company Name
MP ENVIRONMENTAL

U.S. EPA ID Number
CAT000624247

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic - APEX Regional Landfill
13550 US-93
Las Vegas NV 89165
Facility's Phone: 702 599-5920

U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. NON RCRA, NON HAZARDOUS SOLID WASTE (EXCAVATED SOIL CONTAINING DIOXIN)	001	CM	0020 20yds	Y	NONE
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Bin# 7050
Job# 13246

profile # 3825 197207
Ticket # 2100146

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offero's Printed/Typed Name
STEPHEN CLOUGH

Signature
Stephen Clough

Month Day Year
5 14 2019

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name
Drew Mack

Signature
Drew Mack

Month Day Year
06 01 19

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number:
U.S. EPA ID Number

17b. Alternate Facility (or Generator)
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner, or Operator; Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

Signature
Month Day Year
06 19

GENERATOR
TRANSPORTER INTL
TRANSPORTER
DESIGNATED FACILITY

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78791
Date: 06/04/2019
Time In: 7:15 am
Time Out: 8:03 am

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: JOB13246 BIN 7050

Gross Weight: 74,500 LB Manual In
Tare Weight: 38,640 LB Manual Out
Net Weight: 35860 LB
Net Tons: 17.93

BOL: 13246-2

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	17.93	TN

Driver: _____

Weighmaster: _____

bowdemi

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services, Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/or resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios, compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas, penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

709

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

INDUSTRIAL

2. Page 1 of 1

3. Emergency Response Phone

877-725-1108

4. Waste Tracking Number

13246-3

5. Generator's Name and Mailing Address

Nevada Environmental Response Trust
35 East Wacker Drive, Suite 1550
Chicago IL 60601

Generator's Site Address (if different than mailing address)

Nevada Environmental Response Trust
410 South 4th Street
Henderson NV 89015

Generator's Phone:

782 960 4300

6. Transporter 1 Company Name

MP ENVIRONMENTAL

U.S. EPA ID Number

CAT000624247

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Republic - APEX Regional Landfill
13550 US-93
Las Vegas NV 89166

U.S. EPA ID Number

Facility's Phone:

702 599 5920

9. Waste Shipping Name and Description

1. NON RCRA, NON HAZARDOUS SOLID WASTE, (EXCAVATED SOIL CONTAINING DIOXINT)

10. Containers

No.

Type

11. Total Quantity

12. Unit Wt./Vol.

NONE

001

cm

13. Special Handling Instructions and Additional Information

Bin# 7028
Job# 13246

Profile# 3825 19 7207
Ticket#

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

STEPHEN CLOUGH

Signature

Stephen Clough

Month Day Year

5 14 2019

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Bryan Monk

Signature

Bryan Monk

Month Day Year

10 3 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

KR

Signature

[Signature]

Month Day Year

16 3 19

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78780
Date: 06/03/2019
Time In: 2:39 pm
Time Out: 3:23 pm

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: 709

Gross Weight: 59,060 LB Manual In
Tare Weight: 38,280 LB Manual Out
Net Weight: 20780 LB
Net Tons: 10.39

BOL: 13246-3

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	10.39	TN

Driver: _____

Weighmaster: _____

ricoka

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/o resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number INDUSTRIAL	2. Page 1 of 1	3. Emergency Response Phone 877-725-1108	4. Waste Tracking Number 13246-4	
5. Generator's Name and Mailing Address Nevada Environmental Response Trust 35 East Wacker Drive, Suite 1550 Chicago IL 60601			Generator's Site Address (if different than mailing address) Nevada Environmental Response Trust 410 South 4th Street Henderson NV 89015			
Generator's Phone: 702 950 4309						
6. Transporter 1 Company Name MP ENVIRONMENTAL			U.S. EPA ID Number CAT00D624247			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Republic - APEX Regional Landfill 13660 US-93 Las Vegas NV 89165			U.S. EPA ID Number			
Facility's Phone: 702 599 5920						
GENERATOR	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	
			No.	Type	12. Unit Wt./Vol.	
	1. NON RCRA, NON HAZARDOUS SOLID WASTE (EXCAVATED SOIL CONTAINING DIOXIN)		001	UFA		NONE
	2.					
	3.					
4.						
13. Special Handling Instructions and Additional Information Bin # 7054 Profile # 3825 19 7207 Job # 13246 Ticket #						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.						
Generator's/Offoror's Printed/Typed Name STEPHEN CLOUGH			Signature <i>Stephen Clough</i>		Month Day Year 5 14 06	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name			Signature		Month Day Year	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
17b. Alternate Facility (or Generator)			U.S. EPA ID Number			
Facility's Phone: _____						
17c. Signature of Alternate Facility (or Generator)					Month Day Year	
18. Designated Facility Owner or Operator, Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name <i>Stephen Clough</i>			Signature <i>Stephen Clough</i>		Month Day Year 5 14 06	

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78776
Date: 06/03/2019
Time In: 7:12 am
Time Out: 8:05 am

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: 13246/BIN7054

Gross Weight: 71,620 LB Manual In
Tare Weight: 38,680 LB Manual Out
Net Weight: 32940 LB
Net Tons: 16.47

BOL: 13246-4

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	16.47	TN

Driver: _____

Weighmaster: _____

bowdemi

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services, Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/or resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

INDUSTRIAL

877-775-1118

132410-5

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Nevada Environmental Response Trust
15 East Wacker Drive, Suite 1550
Chicago, IL 60601

Nevada Environmental Response Trust
110 South 4th Street
Henderson, NV 89015

Generator's Phone:

708-551-1000

6. Transporter 1 Company Name

MP ENVIRONMENTAL

U.S. EPA ID Number

DAF0308247

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

U.S. EPA ID Number

Republic - APFV Regional Landfill
13500 US-10
Las Vegas, NV 89155

Facility's Phone: 702-599-5000

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No. Type

1. NON HAZARDOUS SOLID WASTE / EXCAVATED SOIL CONTAINING DROMINT

001 1M = 0

NONE

2.

3.

4.

13. Special Handling Instructions and Additional Information

Bin # 7030
Job # 132410

Profile # 3325 197207
Ticket #

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name

Signature

Month Day Year

STEPHEN CLOUGH

Stephen Clough

5 14 2012

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.:

Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name

Signature

Month Day Year

[Signature]

[Signature]

6 7 14

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78841
Date: 06/07/2019
Time In: 8:38 am
Time Out: 9:24 am

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207

Gross Weight: 72,080 LB Manual In
Tare Weight: 38,900 LB Manual Out
Net Weight: 33180 LB
Net Tons: 16.59

Origin	Yards	Material	Billing Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	16.59 TN

Driver: _____

Weighmaster: _____

swansja1

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services, Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/or resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios, compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas, penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

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NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
INDUSTRIAL

2. Page 1 of

3. Emergency Response Phone
877-725-1108

4. Waste Tracking Number
132410-10

5. Generator's Name and Mailing Address
Nevada Environmental Response Trust
55 East Wacker Drive Suite 1550
Chicago IL 60601
Generator's Phone: 702-251-4800

Generator's Site Address (if different than mailing address)
Nevada Environmental Response Trust
410 South 4th Street
Henderson NV 89017

6. Transporter 1 Company Name
MP ENVIRONMENTAL

U.S. EPA ID Number
CAT000624217

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic - APEX Regional Landfill
13550 US 33
Las Vegas NV 89131
Facility's Phone: 702-893-5020

U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
	No.	Type		
1. NON RCRA NON HAZARDOUS SOLID WASTE (FAC WASTE) SOIL CONTAINING DIOXIN	001	PM 20		NONE
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Bin# 5947
Job# 1324LE
Profile# 3325 19 7207
Ticket#

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offorer's Printed/Typed Name: STEPHEN CLOUD #
Signature: Stephen Cloud
Month: 5 Day: 14 Year: 2019

15. International Shipments Import to U.S. Export from U.S. Port of entry/exit: Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Signature: Month: Day: Year:

Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

17. Discrepancy

17a. Discrepancy Indication Space Quantity Type Residue Partial Rejection Full Rejection

17b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) Month: Day: Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Signature: Month: Day: Year:

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78846
Date: 06/07/2019
Time In: 11:58 am
Time Out: 12:41 pm


Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: 709

Gross Weight: 68,520 LB Manual In
Tare Weight: 38,340 LB Manual Out
Net Weight: 30180 LB
Net Tons: 15.09

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	15.09	TN

Driver: 

Weighmaster: 

IN - pardoda OUT - swansja1

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Serv Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer's employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarias, compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas, penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal de cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en la Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en la Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento, el Cliente se compromete a asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.

709

PA 18348

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number
INDUSTRIAL

2. Page 1 of 1

3. Emergency Response Phone
877-725-1108

4. Waste Tracking Number
13246-7

5. Generator's Name and Mailing Address
Nevada Environmental Response Trust
35 East Wacker Drive, Suite 1550
Chicago IL 60601
Generator's Phone: 702 960-4309

Generator's Site Address (if different than mailing address)
Nevada Environmental Response Trust
410 South 4th Street
Henderson NV 89015

6. Transporter 1 Company Name
MP ENVIRONMENTAL

U.S. EPA ID Number
CAT000624247

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
Republic - APEX Regional Landfill
13550 US-93
Las Vegas NV 89165
Facility's Phone: 702 599-5920

U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	
	No.	Type			
1. NON RCRA, NON HAZARDOUS SOLID WASTE. (EXCAVATED SOIL CONTAINING DIOXINT)	001	CM	20 yds		NONE
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Bin # 6524
Job # 13246
Profile # 3825 19 7207
Ticket # 100143

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offoror's Printed/Typed Name: STEPHEN CLOUGH
Signature: Stephen Clough
Month: 5, Day: 11, Year: 2008

15. International Shipments
 Import to U.S. Export from U.S.
Port of entry/exit: _____
Date leaving U.S.: _____

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bryan Mark
Signature: Bryan Mark
Month: 5, Day: 31, Year: 19
Transporter 2 Printed/Typed Name: _____
Signature: _____
Month: _____, Day: _____, Year: _____

17. Discrepancy
17a. Discrepancy Indication Space
 Quantity Type Residue Partial Rejection Full Rejection
Manifest Reference Number: _____

17b. Alternate Facility (or Generator)
U.S. EPA ID Number: _____
Facility's Phone: _____

17c. Signature of Alternate Facility (or Generator)
Month: _____, Day: _____, Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Jason Swanson
Signature: JS
Month: 5, Day: 31, Year: 19

GENERATOR

INT'L
TRANSPORTER

DESIGNATED FACILITY

81 Environmental Tech
13550 N Highway 93
Las Vegas, NV 89165

Ticket Type: INBOUND INVOICE

Ticket Number: 78720
Date: 05/31/2019
Time In: 8:34 am
Time Out: 9:29 am

Customer: 333359 - MP ENVIRONMENTAL SERVICES

Vehicle/Container: PA18348
Contract: 3825 19 7207
Comment: 709

Gross Weight: 72,000 LB Manual In
Tare Weight: 39,280 LB Manual Out
Net Weight: 32,720 LB
Net Tons: 16.36

Origin	Yards	Material	Billing	Quantity
Not Applicable	0.00 YD	SW-CONT SOIL	16.36	TN

Driver: _____

Weighmaster: _____

IN - swansja1 OUT - pardoda

Indemnification. Customer agrees, by signature above, to indemnify, hold harmless, and defend Republic Services, Inc., its subsidiaries, affiliates, employees, officers and directors from and against any and all liabilities, claims, penalties, forfeitures, suits and the costs and expenses incident thereto, including costs of defense, settlement, and reasonable attorney's fees, which may be incurred, as a result of death or injuries to any person, or damage to any property, contamination of or adverse effects on the environment, caused in whole or in part by the Customer, its employees, or subcontractors in disposing waste at this Facility. In the event Customer delivers Unacceptable Waste (as determined by Republic) Customer agrees to assume all expenses and obligations with the removal and/or resolution of any effects caused by the delivery of such Unacceptable Waste.

Indemnización. Cliente acuerda indemnizar, mantener inmune, y defender Republic Services, Inc., sus subsidiarios compañías, divisiones, empleados, oficiales y directores contra de cualquiera y de todas responsabilidades, demandas penas, pérdidas, juicios, pleitos y los costos incidente además, incluyendo costos de defensa, de acuerdo judicial, y de honorarios razonables del abogado, que pueden ser incurridos en, o como resultado de, la muerte o herida personal a cualquier persona, o daños a cualquier característica, propiedad, contaminación de la tierra o efectos ilícitos en esta Facilidad, causado entero o en parte por el cliente, sus empleados, o sus subcontratistas en botar basura en esta Facilidad. En el caso que el Cliente entrega, bota, basura (según lo determinado por Republic) en este Establecimiento basura inaceptable en los reglamentos de este Establecimiento, el Cliente se compromete asumir todos los costos y obligaciones con el retiro y/o la resolución de cualquier dano(s) causado por la entrega de tal basura inaceptable.