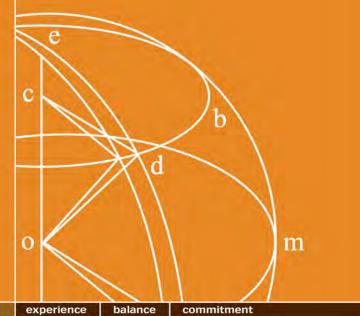


SUNDANCE GOLF COURSE MERCURY SOIL REMEDIATION SUMMARY REPORT

SUNDANCE GOLF COURSE 9725 NORTH NINE MILE ROAD NINE MILE FALLS, WASHINGTON 99026

Project Number: 192860.03

Date: January 3, 2022



Prepared for:

Sundance Meadows, LLC PO Box 935 Otis Orchards, Washington 99027

Prepared by:

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Report Title: Sundance Golf Course Mercury Soil Remediation Summary Report **Project Number:** 192860.03 Date: January 3, 2022 Site: 9725 North Nine Mile Road Nine Mile Falls, WA 99206 Prepared for: Sundance Meadows, LLC PO Box 935 Otis Orchards, Washington 99027 Prepared by: Fulcrum Environmental Consulting, Inc. 207 West Boone Avenue Spokane, Washington 99201 509.459.9220 The professionals who completed site services, prepared, and reviewed this report include but are not limited to: **Authored by:** Ethan Ducken, **Environmental Technician** Scott Groat, GIT **Environmental Geologist**

Date: 1/03/2022

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Report Integrity

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1.0 INTRODUCTION

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by Sundance Meadows, LLC to conduct environmental services in support of the redevelopment of the former Sundance Golf Course (Sundance) property into a single-family residential dwelling complex. The site is located at 9725 North Nine Mile Road (Subject site) in Nine Mile Falls, Washington.



General Subject Site Location

Fulcrum completed a Phase I Environmental Site Assessment (ESA) for the property in March of 2019. The Phase I ESA reported the potential for asbestos containing building materials and lead paint materials in on site buildings planned for demolition, a small area of petroleum impact from stored fuel products, and the potential for historical agricultural chemical products associated with historical golf course use as environmental concerns associated with the property.

Fulcrum conducted a hazardous building materials investigation of all onsite buildings in September of 2020. Results of the assessment are reported under separate cover. The investigation identified asbestos containing building materials in the clubhouse structure. All asbestos containing materials were abated and disposed of in accordance with regulatory standards by IRS Environmental of Spokane Washington.

The only remaining suspect asbestos containing material on the site is associated with the historical irrigation system which reportedly may have used cement asbestos piping. The presence, depth, and extent of any historical asbestos containing irrigation piping is unknown. Fulcrum has recommended that the site be graded sufficient to determine the presence, nature, and extent of any buried irrigation lines so that any associated hazards can be characterized and planned for, prior to site development. This work is scheduled to occur at the end of 2021, to be followed by hydroseeding of the site to limit risk of windblown dust while site development plans proceed.

In September of 2021, Fulcrum oversaw the cleanup of the small area of petroleum impacted soil identified in the yard surrounding the maintenance facility. A total of 16 tons of petroleum contaminated soil was excavated by Able Cleanup Technologies, Inc (Able) of Spokane Washington and disposed of at Graham Road Landfill. Confirmatory soil sampling conducted by Fulcrum under the direction of a Washington State Licensed Geologist confirmed completion of the remediation action in accordance with Washington State regulatory requirements.



In December of 2020, Fulcrum conducted an initial investigation of the site for potential residual agricultural chemical presence associated with historical golf course maintenance practices. Additional characterization sampling was completed in 2021; resulting in identification of mercury concentrations in site soils above Washington State Department of Ecology (Ecology) Model Toxic Control Act (MTCA) Method A unrestricted land use cleanup levels. The mercury impacted soil was confined to near-surface portions of ten (10) of the 18 putting greens. All ten (10) locations were remediated through excavation. Able conducted the excavation under the oversight of Fulcrum's Washington State Licensed Geologist. Remedial excavation proceeded until all collected mercury confirmation samples were identified by laboratory analytical to be below MTCA Method A Cleanup Levels and all mercury impacted soil was excavated and transported to the Graham Road facility for disposal. Details of the agricultural chemical investigation and subsequent remediation and confirmation sampling are presented in this report.

1.1 Background

The Sundance Golf Course site remained vacant until approximately 1968, when it was developed into an 18-hole golf course. The site functioned as an 18-hole golf course for another 50 years until it was permanently closed in October 2018. During that time the site was traditionally maintained by professional greens keepers using typical fertilizers and herbicides during operation. Fulcrum completed a Phase I Environmental Site Assessment in March 2019 which identified potential for agricultural chemicals to be present throughout the property.



1.2 Scope of Services

Fulcrum has provided the following environmental services in support of the redevelopment of the former Sundance Golf Course.

•	May 2019	Phase I Environmental Site Assessment (ESA)
•	Sept. 2019	Phase II Characterization Sampling for Agricultural Chemicals and PCS
•	Sept. 2020	Hazardous Building Materials (HBM) inspection of site buildings
•	Oct. 2020	Additional Phase II Cleanup Oversight of Maintenance Building PCS
•	Dec. 2020	Soil Sampling of 19-locations for Arsenic, Lead, and Mercury
•	Dec. 2020	Collection of 162 additional soil samples for Mercury
•	Jan. 2021	Public Hearing Presentation
•	Jan. 2021	Additional Analysis of Soil Samples for Cadmium



•	Feb. 2021	Preparation of formal VCP Application
•	Mar. 2021	Preparation of a Soil Health and Safety Plan
•	April 2021	Mercury Impacted Soil Removal Oversight
•	April 2021	Characterization Sampling of Six Locations for Herbicides & Pesticides
•	May 2021	Mercury Impacted Soil Removal Oversight
•	June 2021	Mercury Impacted Soil Removal Oversight
•	June 2021	Sampling of 24 Additional Locations for Herbicide/Pesticide Presence
•	Aug. 2021	Mercury Impacted Soil Removal Oversight
•	Sept. 2021	VCP Update Letter Report (content incorporated into this report)
•	Oct. 2021	Update to the Soil Health and Safety Plan
•	Dec. 2021	Preparation of this Remediation Close-Out Report

All environmental services were provided by, or under the direction of Travis Trent, a Principal of Fulcrum with 26-years of experience in environmental site assessment and cleanups. Mr. Trent is a Washington State Licensed Geologist (LG) and Licensed Hydrogeologist (LHG); a Certified Industrial Hygienist (CIH); and Certified Hazardous Materials Manager (CHMM). Relevant professional certifications are presented in Appendix A. See Appendix B for the Contaminated Soil Health and Safety Plan. See Appendix C for the Phase II Petroleum Contaminated Soil Cleanup Report. See Appendix D for Agricultural Chemical Soil Sampling Summary Tables. See Appendix E for Laboratory Analytical Results. See Appendix F for Investigation Photographs. See Appendix G for Soil Disposal Receipts. See Appendix H for the Terrestrial Ecological Evaluation Form. See Appendix I for the Remediation Checklist.

Site services were completed in accordance with general industry standard of care at the time work was completed.

2.0 DISCUSSION OF PERTINENT REGULATIONS AND GUIDANCE

2.1 Regulatory Cleanup Standards

In March of 1989, MTCA went into effect in Washington State. The MTCA regulations, WAC 173-340, set standards to ensure quality of cleanup and protection of human health and the environment in Washington State. A major portion of the MTCA regulation (completed in 1991) was the development of numerical cleanup standards and requirements for cleanup actions. Three options were established under MTCA for site-specific cleanup levels: Method A, B, and C. Method A defines cleanup levels for 25 of the most common hazardous substances found at sites. Method B levels are set using a site risk assessment, which enables consideration of site-specific characteristics. Method C is similar to Method B; however, the individual substance's cancer risk portion of the assessment is set at 1 in 100,000 rather than 1 in 1,000,000.



Rule amendments to MTCA, which became effective August 15, 2001, changed the cleanup levels of petroleum hydrocarbon contamination. Whereas diesel and heavy oil concentrations were increased, the MTCA Method A cleanup levels for gasoline and gasoline components Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were lowered significantly. Changes to MTCA since 2001 have primarily been of an administrative nature; however, Ecology continues to review research and adjust chemical-specific cleanup standards.

3.0 SITE LOCATION AND DESCRIPTION

The former Sundance Golf Course site is located at 9725 North Nine Mile Road in Nine Mile Falls, Washington. The subject site consists of the following three Spokane County Tax Parcels totaling approximately 89 acres: 26163.9025, 26163.9032, and 26163.9031. Onsite structures previously consisted of one (1) former clubhouse with an associated paved parking lot, four (4) storage warehouses, and three (3) pump houses. All onsite structures and trees have been removed from the property. See Figure 1 for a topographic map of the subject site location.

3.1 Regional Geologic Setting

From a regional perspective, the subject site lies on the eastern portion of the Columbia Plateau, an extensive, relatively featureless plain overlain by Miocene basaltic lava inter-layered with sedimentary materials. The Columbia Plateau impinges upon the folded, faulted, and metamorphosed rocks of the Idaho Panhandle. The subject site lies in Spokane County, a region with warm dry summers and cool moist winters. Average annual precipitation in the Spokane area is less than 20-inches per year. The subject site is located on the Pleistocene age Glacial Lake Missoula outwash plain deposits. These deposits consist of thick layers of fine-medium grained sand deposited during a series of outburst floods that resulted from repeated collapse of the ice dam that impounded ancient Glacial Lake Missoula. Groundwater flow beneath the subject site is generally north-northwest toward the Spokane River. Site soils are sandy glaciofluvial deposits laid down at the end of the last ice age during these floods.

3.2 Soil Type

Site soils are identified by the U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey as dominantly SPRINGDALE GRAVELLY ASHY COARSE SANDY LOAM across the subject site with an area of URBAN LAND SPRINGDALE DISTURBED COMPLEX.



Site soils are identified by the EDR database report as dominantly AVONVILLE, a fine gravelly-silt loam. The soil has a moderate infiltration rate with deep and moderately deep, moderately well and well-drained soils that are moderately coarse in texture. The soil has an intermediate water holding capacity. Depth to the bedrock is estimated at greater than 60 inches below ground surface (bgs).

AVONVILLE soil horizons are described to consist of the following:



View of excavation area showing near surface site soils.

- From 0 to 16 inches bgs fine gravelly silt loam
- From 16 to 25 inches bgs very gravelly silt loam
- From 25 to 37 inches bgs very gravelly sandy loam
- From 37 to 60 inches bgs very gravelly sand

4.0 AGRICULTURAL CHEMICAL SOIL INVESTIGATION

Fulcrum's Phase I ESA did not identify any information indicative of pesticide, herbicide, or fertilizer spills, mixing or disposal or any surficial evidence of misuse or misapplication of pesticides, herbicides, or fertilizers. Information developed during the public comment period identified an elevated potential for mercury impact to putting green soils with arsenic, lead, and cadmium also identified as potential contaminants of concern. In response to public concerns, initial soil sampling was completed on December 3, 2020, identifying elevated mercury concentrations in select greens. Additional soil sampling was conducted on December 16, 2020, to characterize the extent of mercury presence and absence of arsenic, mercury, or cadmium impact. In April and June of 2021, additional soil sampling was conducted for RCRA 8 metals, organochlorine pesticides; organophosphorus compounds; and herbicides.

Fulcrum collected a total of 108 soil characterization samples from the former Sundance Golf Course. The only site contaminant identified was mercury. A total of 11 of the 108 samples were identified with mercury concentrations in excess of the Method A cleanup level of 2 ppm. All 11 samples were collected from putting greens. The average mercury concentration across the 108 samples was less than 1 ppm. All characterization sampling was conducted under the direction of a Washington State Licensed Geologist.



4.1 Soil Characterization – December 3, 2020

Fulcrum's initial soil characterization sampling for potential arsenic, lead, and mercury was conducted on December 3, 2020. Fulcrum randomly selected sample locations representing six (6) tee boxes, nine (9) putting greens, three (3) fairways, and one (1) location on the driving range. In each location a hole was hand-excavated between 3-inches below ground surface (bgs) to approximately 18-inches bgs and the soil horizon was examined for any discoloration or indication of contaminant presence. No visual indicators of contaminant presence were observed in any of the hand-excavations. A clean sidewall soil sample was collected from a select depth in each location. See Figure 2 for a soil characterization sample location map.

Soil samples were placed into laboratory supplied clean, four-ounce borosilicate glass jars with Teflon-lined lids. New, clean nitrile gloves were used for each sample set and shovels were cleaned and decontaminated between each sampling location.

The samples were packaged on ice and submitted under chain-of-custody to TestAmerica of Spokane, Washington for analysis.



Laboratory analytical results identified two (2) samples collected from putting greens with mercury concentrations above the Method A cleanup level.

Table 1 in Appendix D presents a summary of the mercury characterization samples. See Appendix E for laboratory analytical results and Appendix F for investigation photographs.

No data quality anomalies were noted in the laboratory results. All analytical quality assurance parameters were within acceptable ranges. Fulcrum recommended additional sampling to identify and characterize the extent of mercury contaminated soil.

4.2 Soil Characterization – December 16, 2020

On December 16, 2020, Fulcrum conducted additional characterization sampling specifically targeted at onsite putting greens. Three (3) soil samples were collected from randomly selected locations on each of the 18 putting greens. In each location, a hole was hand-excavated to approximately 24-inches below ground surface and the soil horizon was examined for any discoloration or indication of contaminant presence. No visual indicators of contaminant presence were observed. A clean sidewall soil sample was collected from 3-inches, 6-inches, and 12-inch depths in each location. A total of 162 samples were collected. See Figure 2 for a mercury soil sample location map.



Soil samples were collected using a cleanable hand tool and placed into laboratory supplied clean, 4-ounce borosilicate glass jars with Teflon-lined lids. New, clean nitrile gloves were used for each sample set and sampling tools were cleaned and decontaminated between each sampling location. The samples were packaged on ice and submitted under chain-of-custody to TestAmerica of Spokane, Washington for analysis.



All 3-inch soil horizon samples were analyzed for arsenic, cadmium, lead, and mercury. Four samples (SGC-121620-32.01, SGC-121620-41.01, SGC-121620-45.01, and SGC-121620-52.01) were identified with mercury in excess of the Method A cleanup level. The 6-inch samples were analyzed in those four (4) locations with one (1) location showing presence of mercury in excess of the cleanup level at 6-inches. That location was analyzed at the 12-inch depth with results confirmed to be below the cleanup level.

Table 1 in Appendix D presents a summary of the December 16, 2020 mercury characterization analytical results. See Appendix E for laboratory analytical reports and Appendix F for investigation photographs. No data quality anomalies were noted in the laboratory results. All analytical quality assurance parameters were within acceptable ranges.

4.3 Soil Characterization – April 22, 2021

Fulcrum conducted additional soil characterization sampling on April 22, 2021, as requested by Ecology in response to community concerns about potential for presence of routine agricultural chemicals. Fulcrum collected three (3) soil samples from representative fairways and three (3) soil samples from representative greens. In each location a hole was hand-excavated to approximately 18-inches below ground surface and the soil horizon was examined for any discoloration or indication of contaminant presence. No visual indicators of



contaminant presence were observed. A clean sidewall soil sample was collected from 3-inches in each sample location. Collected samples were placed into laboratory provided containers, labeled with a unique identification number, and placed in a cooler on ice for transport to TestAmerica's



laboratory in Spokane, Washington. See Figure 2 for a characterization soil sample location map. Fulcrum submitted all six (6) samples to TestAmerica for the following analysis:

- Organochlorine pesticides (Method 8081B)
- Organophosphorus compounds (Method 8141B)
- Herbicides (Method 8151A)
- RCRA 8 metals. (Method 6020/7471)

Analytical Results are summarized in Table 1 below with full analytical results presented in Appendix E.

Table 1: April 22, 2021 - Soil Sample Results in ppm

					_			_				
	Sample #	As	Ba	Cd	Cr	Pb	Se	Ag	Hg	Organo- chlorine Pesticides	Organo- phosphorus Compounds	Herbicides
1	SGC-042221- PH-01	15	72	ND	15	20	2.5	0.79	0.31	0.05 Chlordane	ND	ND
2	SGC-042221- PH-02	8.3	93	ND	13	10	2.1	ND	ND	ND	ND	ND
3	SGC-042221- PH-03	10	48	ND	15	9.9	1.6	0.30	2.6	0.34 Chlordane	ND	ND
4	SGC-042221- PH-04	9.3	110	ND	14	10	2.2	ND	ND	ND	ND	ND
5	SGC-042221- PH-05	16	61	ND	19*	10	1.8	ND	4.1	0.15 Chlordane	ND	ND
6	SGC-042221- PH-06	8.3	100	ND	12	11	2.6	ND	ND	ND	ND	ND
]	MTCA Method A Cleanup Level	20	16,000	2	2,000	250	400	400	2	2.9 Chlordane	Varies	Varies

Bolded concentrations were found above applicable cleanup levels

No new agricultural chemicals were identified above applicable cleanup levels. Mercury was detected above Method A cleanup levels in two (2) additional green locations. The chromium concentration of 19 mg/kg identified for sample SGC-042221-PH-05 was below the MTCA Method A cleanup level for total chromium of 2,000 mg/Kg and was identified through speciation as non-detect for hexavalent chromium which has a MTCA Method A Cleanup Level of 19 mg/Kg. One organochlorine pesticide, Chlordane, was identified at detectable concentrations below the applicable cleanup level. No organophosphorus or herbicides were detected in any of the six (6) samples. No data quality anomalies were noted in the laboratory results. All analytical quality assurance parameters were within acceptable ranges.

^{*} Hexavalent chromium MTCA Method A Cleanup Level is 19 mg/kg



4.4 Soil Characterization – June 7, 2021

Following review of April 22, 2021 sample results, from an abundance of caution, Ecology recommended collection of 24-additional soil samples to be analyzed for organochlorine pesticides and mercury. On June 7, 2021, Fulcrum collected the additional 24 recommended soil samples representing nine (9) low-lying locations, five (5) putting greens, and ten (10) fairways.

In each location a hole was hand-excavated to approximately 6-inches below ground surface and the soil horizon was examined for any discoloration or indication of contaminant presence. No visual indicators of contaminant presence were observed. A clean sidewall soil sample was collected from 3-inches in each sample location. Collected samples were placed into laboratory provided containers, labeled with a unique identification number, and placed in a cooler on ice for transport to the TestAmerica laboratory in Spokane, Washington. See Figure 2 for a characterization soil sample location map. Fulcrum submitted all six (6) samples to TestAmerica for Organochlorine pesticides (Method 8081B) and mercury. Analytical Results are summarized in Table 2 below with full analytical results presented in Appendix E.

Table 2: July 7, 2021 – Soil Sampling Results in ppm

Sample Number	Sample Location	Organochlorine Pesticides (mg/kg)	Mercury (mg/kg)
SGC-070721-PH-07	Hole 7, fairway low spot west area	ND	ND
SGC-070721-PH-08	Hole 3, putting green central area	0.71 Chlordane	16.0
SGC-070721-PH-09	Hole 13, fairway low spot east area	ND	ND
SGC-070721-PH-10	Hole 12, putting green	ND	0.14
SGC-070721-PH-11	Hole 12, fairway low spot north central area	ND	ND
SGC-070721-PH-12	Hole 12, fairway low spot southeast area	ND	ND
SGC-070721-PH-13	Hole 11, low spot nw of putting green	ND	ND
SGC-070721-PH-14	Hole 11, low spot east of putting green	ND	ND
SGC-070721-PH-15	Hole 11, low spot west of tee box	ND	ND
SGC-070721-PH-16	Hole 17, low spot southeast of tee box	ND	ND
SGC-070721-PH-17	Hole 17, putting green southeast area	0.17 Chlordane	6.2
SGC-070721-PH-18	Hole 14, putting green south central area	0.072 Chlordane	0.45
SGC-070721-PH-19	Hole 1, low spot south of putting green	ND	ND
SGC-070721-PH-20	Hole 6, putting green southeast area	0.19 Chlordane	0.77
SGC-070721-PH-21	Hole 5, fairway central area	ND	ND



Sample Number	Sample Location	Organochlorine Pesticides (mg/kg)	Mercury (mg/kg)			
SGC-070721-PH-22	Hole 1, fairway central area	ND	ND			
SGC-070721-PH-23	Hole 17, fairway central area	ND	ND			
SGC-070721-PH-24	Hole 17, fairway east area	ND	ND			
SGC-070721-PH-25	Hole 11, fairway west central area	ND	ND			
SGC-070721-PH-26	Hole 11, fairway east central area	ND	ND			
SGC-070721-PH-27	Hole 12, fairway northeast area	ND	ND			
SGC-070721-PH-28	Hole 12, fairway west central area	0.45 alpha-BHC	ND			
SGC-070721-PH-29	Hole 14, fairway west central area	ND	ND			
SGC-070721-PH-30	Hole 2, fairway west central area	ND	ND			
SGC-070721-PH-31	Duplicate of SGC-070721-07	ND	ND			
SGC-070721-PH-32	Duplicate of SGC-070721-21	ND	ND			
	MTCA Method B Cleanup Levels 40 ¹ , 640 ² 2.0					

ND – Analyte not detected at the laboratory method detection limit.

Laboratory results reported two (2) of the additional 24 samples with detectable mercury concentrations of Method A cleanup levels. No organochlorine pesticides were detected above applicable regulatory thresholds. No data quality anomalies were noted in the laboratory results. All analytical quality assurance parameters were within acceptable ranges.

5.0 MERCURY CONTAMINATED SOIL REMEDIATION

Characterization sampling identified ten (10) putting greens with mercury contaminated soil. Fulcrum reviewed remedial options including retaining the contaminated soil on site to be managed in place as part of the residential redevelopment. In consultation with the property owner, Fulcrum determined that removal of the mercury contaminated soil for offsite disposal, though expensive, represented the best remedial alternative resulting in permanent removal of the contaminant.

¹ Cleanup level for Chlordane (40.0 mg/Kg), 2 Cleanup level for Alpha-BHC (640.0 mg/Kg)



Fulcrum was retained to oversee removal of all site soil identified with mercury concentrations in excess of Ecology Method A cleanup levels. Fulcrum subcontracted Able Cleanup Technologies of Spokane, Washington, an experienced hazmat contractor, to provide excavation and transportation services. Graham Road Landfill was provided applicable waste characterization data and was selected as the disposal location for the mercury contaminated soil.



View of typical remedial excavation conducted for the mercury impacted soil.

5.1 Waste Characterization

The only waste that was identified for the project was the mercury contaminated soil. Fulcrum's Certified Hazardous Materials Manager identified the potential for the soil to characterize as a hazardous waste based on toxicity. To evaluate that potential Fulcrum analyzed all near-surface soil samples collected from the putting greens which had mercury concentrations above MTCA Method A Cleanup (SD-120320-04, SD-120320-07, SGC-121620-32.01, SGC-121620-45.01, SGC-121620-52.01, and SGC-121620-301.01) for a composite mercury Toxic Characteristic Leaching Procedure (TCLP) analysis to represent a worst-case scenario. Laboratory analytical results identified the composite sample to have a detectable mercury TCLP concentration of 0.0003 mg/L which is below the dangerous waste threshold for mercury at 0.2 mg/L. With the soil containing mercury above the cleanup level but at concentrations below the dangerous waste designation, the soil was identified for disposal at a State only waste at Graham Road Landfill (Graham Road). Analytical data was provided to Graham Road who confirmed that they were permitted to accept the mercury impacted soil.

5.2 Mercury Contaminated Soil Removal

Removal of the mercury contaminated soil was completed under the direction of, Travis Trent, a Washington State Licensed Geologist. Scott Groat, a Washington-State recognized Geologist-in-Training, who assisted with excavation oversight activities throughout the duration of the project under the direction of Travis Trent.

Fulcrum worked in coordination with the Washington State Department of Ecology (Ecology) through the Voluntary Cleanup Program (VCP) to assist the developer in completing a site cleanup in accordance with applicable regulatory standards. A site-specific Contaminated Soil Health and Safety plan was prepared for the site (see Appendix B) and reviewed with site workers at the start of the project.



A mercury soil characterization map is presented in Figure 2 and a summary table documenting all mercury characterization soil samples are presented as Table 1 in Appendix D. The identified locations of mercury contaminated soil are summarized as follows:

- Putting Green #2 East central and central portions of putting green
- Putting Green #3 Central portion of putting green
- Putting Green #4 North central and east central portions of putting green
- Putting Green #5 East central and central portions of putting green
- Putting Green #7 North central and central portions of putting green
- Putting Green #8 East central portion of putting green
- Putting Green #9 North central and central portion of putting green
- Putting Green #10 South central and southeast portion of putting green
- Putting Green #11 Southeast and central portion of putting green
- Putting Green #17 Southeast portion of putting green

5.2.1 Mercury Impacted Soil Removal Oversight

In April 2021, June 2021, and August 2021, Fulcrum oversaw remedial soil excavation and confirmatory sampling for the ten (10) putting greens with identified mercury concentrations above MTCA Method A Cleanup Levels. Work was conducted by an experienced hazmat contractor using 40-hr HAZWOPER trained workers. A water truck was present during all soil excavation activities and used to suppress dust in driving areas and during excavation. Mercury impacted soil was wetted, placed directly into trucks, and then covered for transport to Graham Road for disposal.



View of typical remedial excavation and confirmatory samples collected for the mercury impacted putting greens.

Work was completed in a manner to ensure that no dust, soil, or water associated with the mercury soil remediation traveled beyond site boundaries, other than through truck transport for disposal.

Due to the lack of field indicators associated with the mercury contaminated soil, each soil sample location where mercury had been identified was excavated approximately 20-feet in each direction, or to the edge of the green, and to an initial depth of approximately 18-inches in the center, grading up to 6-inches at the excavation extents.



Each of the ten (10) initial excavation areas were then confirmed through the collection of samples at the excavation boundary in each cardinal direction and the collection of two (2) pit bottom samples for a total of six (6) samples per excavation area. At each sample location, representative soils were collected using disposable sampling tools. Collected samples were placed into laboratory provided containers, labeled with a unique identification number, and placed in a cooler on ice for transport to TestAmerica's laboratory in Spokane, Washington. When a confirmatory sample was identified above the cleanup level, the area around the sample was excavated an additional approximate 1-foot in depth and 10-feet in each direction. Following the additional removal, the area was validated through collection of three (3) additional confirmation samples.

Excavation continued as outlined above at each of the ten (10) greens until all soils containing mercury in excess of the Ecology Method A Cleanup Level for mercury (2 mg/kg) was removed. A total of 100 remedial confirmation samples were collected to demonstrate removal of the mercury contaminated soil.

No data quality anomalies were noted in the laboratory results. All analytical quality assurance parameters were within acceptable ranges.

A map for each remediated green is presented in Figures 3-12 showing excavation extent and confirmation soil sample locations and results. A summary table summarizing confirmation samples results for each location of identified mercury contaminated soil is presented as Table 2 in Appendix D. Laboratory analytical reports are presented in Appendix E and investigation site photographs area presented in Appendix F.

6.0 WASTE DISPOSAL

A total of 349 tons of mercury impacted soil were excavated over the remedial process described herein and transported to the Graham Road facility for disposal. Waste disposal receipts are presented in Appendix G.

7.0 TERRESTRIAL AND ECOLOGICAL EVALUATION

In preparation of this report Fulcrum completed a simplified Terrestrial and Ecological Evaluation (TEE) evaluation as outlined in WAC 173-340-7492. It is Fulcrum's opinion that the site qualifies for an exclusion as remaining soil contamination does not exceed natural background levels WAC 173-340-7491(1)(d) and all contaminated soil has been removed from the property by remedial excavation and. A copy of the TEE form is presented in Appendix H.



8.0 DISCUSSION

Fulcrum's Soil Sampling Investigation was designed to evaluate near surface site soils for residual presence of metals. Fulcrum collected a total of 108 soil samples to characterize the site for potential impact from residual agricultural products. Mercury was the only contaminant identified to select impact portions of ten (10) of the 18 greens. Full laboratory analytical reports are presented in Appendix E.

8.1 **Lead**

Nineteen (19) soil samples were identified with detectable concentrations of lead ranging from 4.0 to 18.0 mg/kg as compared to the MTCA regulatory threshold of 250 mg/Kg.

8.2 Arsenic

Six (6) soils samples were identified with detectable concentrations of arsenic ranging from 3.7 to 14.0 mg/kg as compared to the MTCA regulatory threshold of 20 mg/Kg.

8.3 Mercury

Fulcrum collected 108 mercury characterization soil samples from the site. The average concentration of the 108 samples was 0.96 ppm as compared to a Method A Cleanup Level of 2.0 ppm. A total of 11 samples (10%) were found to have concentrations above Method A cleanup levels. All 11 samples were collected from putting greens. All putting greens were remediated through excavation and disposal with all confirmatory samples identified below the MTCA Method A Cleanup Level for mercury of 2 mg/Kg.

8.4 Cadmium

Two (2) soil samples were identified with detectable concentrations of cadmium at 0.83 and 1.2 mg/kg as compared to the MTCA regulatory threshold of 2 mg/kg.

8.5 Organochlorine Pesticides

Fulcrum collected 30 soil samples from the site to be analyzed for organochlorine pesticides and mercury. The samples represented ten low-lying locations, eight (8) putting greens, and 12 fairway locations as outlined in pre-sampling discussions with Ecology. All 30 samples were identified as nondetect, with exception of seven (7) samples collected from putting greens that were identified to have chlordane concentrations below the Ecology Cleanup level of 40 mg/kg and one (1) sample collected from a fairway that was identified to have alpha-BHC concentrations below the Ecology Cleanup Level of 640 mg/Kg.



8.6 Organophosphorus Pesticides

Fulcrum collected six (6) characterization samples for organophosphorus pesticides. The samples represented three (3) putting greens and three (3) representative fairway locations. All soil samples were identified as nondetect for organophosphorus pesticides.

8.7 Chlorinated Herbicides

Fulcrum collected six (6) characterization samples for chlorinated herbicides. The samples represented three (3) putting greens and three (3) representative fairway locations. All soil samples were identified as nondetect for chlorinated herbicides.

9.0 CONCLUSIONS

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by Sundance Meadows, LLC to complete a Soil Investigation of the former Sundance Golf Course property located at 9725 North Nine Mile Road (Subject site) in Nine Mile Falls, Washington. Fulcrum's Soil Investigation was designed to evaluate near surface soils within the property for potential residual impact associated with the historical use of agricultural chemicals.

Fulcrum's site reconnaissance did not observe any areas indicative of pesticide, herbicide, or fertilizer mixing. No surficial evidence of misuse or misapplication of pesticides, herbicides, or fertilizers was observed at the time of site reconnaissance.

Fulcrum investigated site soils for residual presence of arsenic, cadmium, lead, mercury, organochlorine pesticides, organophosphorus pesticides, and chlorinated herbicides. Mercury was the only residual agricultural chemical identified above the applicable Ecology cleanup level.

Characterization testing for mercury identified select areas within ten (10) putting greens to have contamination above Ecology's Method A Cleanup Level of 2 mg/kg. All mercury contaminated soil identified above the Cleanup level has been remediated through excavation and offsite disposal. The remedial action was completed under the direction of a Washington State Licensed Geologist and in accordance with Ecology Guidance and Industry Standard of Care.

Fulcrum recommends that the site be given a No Further Action Determination under Model Remedy 1 (removal of contaminated soil with confirmation sampling to document all remaining soil is below applicable Method A Cleanup Levels, such that no environmental covenants are necessary (WAC 173-340-900). A Remedial Investigation Checklist is provided in Appendix I.



10.0 LIMITATIONS

Fulcrum Environmental Consulting, Inc. has performed professional services in accordance with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. The conclusions and recommendations are based upon our field observations, field screening, and independent laboratory analysis. This report is solely for the use and information of our client and State of Washington Agencies providing review. Any reliance on this report by another party is at their sole risk.



APPENDIX A

Professional Certifications



STATE OF WASHINGTON



DEPARTMENT OF LICENSING – BUSINESS AND PROFESSIONS DIVISION
THIS CERTIFIES THAT THE PERSON OR BUSINESS NAMED BELOW IS AUTHORIZED AS A

GEOLOGIS T Hydrogeologist

TRAVIS L TRENT 1127 W 8th Ave Spokane WA 99204-3107

364

License Number

01/08/2002

Issue Date

06/06/2022

Expiration Date

Teresa Berntoen

Teresa Berntsen, Director

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Travis L. Trent

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene®'s (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforenamed individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.





Credential Number: 9

9850 CP

Award Date:

November 19, 2010

Expiration Date:

June 1, 2026

Cynthia Hanko, CIH

Chair of the Board of Directors

Ulric K. Chung, MCS, PhD

Chief Executive Officer and Secretary



THIS CERTIFIES THAT

TRAVIS LYLE TRENT

HAS SUCCESSFULLY MET ALL THE REQUIREMENTS OF EDUCATION, EXPERIENCE AND EXAMINATION, AND IS HEREBY DESIGNATED A

CERTIFIED HAZARDOUS MATERIALS MANAGER® CHMM®



January 30, 2014

DATE OF CERTIFICATION

June 30, 2024

CERTIFICATION EXPIRES

16533

CREDENTIAL NUMBER



EUGENE A. GUILFORD, JR. EXECUTIVE DIRECTOR







APPENDIX B

Contaminated Soil Health and Safety Plan



SUNDANCE GOLF COURSE POST REMEDIATION SOIL HEALTH AND SAFETY PLAN

Sundance Golf Course 9725 North Nine Mile Road Nine Mile Falls, Washington

Project Number: 192860.03

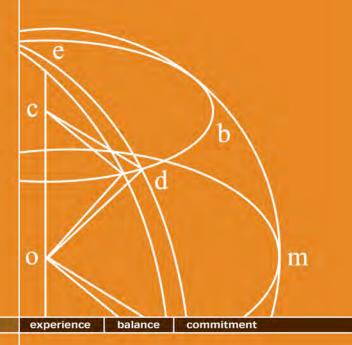
Revised October 29, 2021

Prepared for:

Mike Kinney Sundance Meadows LLC PO Box 935 Otis Orchards, Washington 99027

Prepared by:

Travis Trent, CIH, CSP, PG Fulcrum Environmental Consulting, Inc. 207 West Boone Avenue Spokane, Washington 99201





Report Title: Sundance Golf Course Post Remediation Soil Health and Safety Plan

Project Number: 192860.03

Date: October 29, 2021

Site: 9725 North Nine Mile Road

Nine Mile Falls, Washington, 99206

Prepared by: Fulcrum Environmental Consulting, Inc.

207 West Boone Avenue Spokane, Washington 99201

The professionals who completed site services, prepared, and reviewed this report include but are not limited to:

Authored by: Date: October 29, 2021

Travis Trent, CIH, CSP, PG Principal Fulcrum Environmental Consulting, Inc.





Report Integrity:

Fulcrum Environmental Consulting, Inc.'s scope of service for this project was limited to those services as established in the proposal, contract, verbal direction, and/or agreement. This report is subject to applicable federal, state, and local regulations governing project-specific conditions and was performed using recognized procedures and standards of the industry. Scientific data collected in situ may document conditions that may be specific to the time and day of service, and subject to change as a result of conditions beyond Fulcrum's control or knowledge. Fulcrum makes no warranties, expressed or implied as to the accuracy or completeness of other's work included herein. Fulcrum has performed these services in accordance with generally accepted environmental science standards of care at the time of the inspection. No warranty, expressed or implied, is made



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Appendix A Professional Certifications



1.0 APPLICABILITY OF THIS HEALTH AND SAFETY PLAN

Site redevelopment activities at the former Sundance Golf Course (Sundance) project will include disturbance of site soils containing trace concentrations of mercury. All soil identified with mercury above the Washington State Department of Ecology (Ecology) Model Toxic Control Act (MTCA) Method A Residential Cleanup level (cleanup level) has been removed from the site. Residual concentrations of mercury are commensurate with normally occurring background conditions. Fulcrum Environmental Consulting (Fulcrum) does not anticipate any risk of worker exposure to mercury associated with planned grading activities. However, property owners adjacent to the project continue to show a high level of concern and all site workers should be made familiar with the investigation and remediation of mercury contaminated soils as well as relevant site-specific dust suppression and stormwater control plans.

A site orientation is required for all soil impacting contractors prior to the start of soil disturbance.

This Post Remediation Soil Health and Safety Plan (Soil HSP) has been prepared by Travis Trent, a Certified Industrial Hygienist (CIH), Certified Safety Professional (CSP), and Professional Geologist (PG) with over 26-years of experience in the management and safe handling of contaminated soils. Relevant professional certifications are presented as Appendix A.

2.0 BACKGROUND

The site is located at the 9725 North Nine Mile Road in Nine Mile Falls, Washington. The site is bounded by residential housing to the north and south, by Highway 291 to the east, and by a forest preserve to the west. The site was formerly a forested golf course with clubhouse located at the east of the site adjacent to Highway 291. It has been clear-cut and harvested for timber and the former club house has been demolished and removed.

A May 2019 Phase I Environmental Site Assessment by Fulcrum identified the risk of agricultural chemical impact associated with golf course maintenance activities. In October of 2020, Fulcrum collected 19 representative soil samples from greens, tees, and fairways to evaluate for potential residual heavy metal impact associated with historic agricultural chemical use. Results indicated potential mercury impact to putting green soils, likely associated with historic spot application of mercury-based fungicides to treat snow mold. An additional 192 samples were collected in December of 2020, April of 2021, and June of 2021. Site soils were investigated for presence of arsenic, cadmium, lead, mercury, organochlorine pesticides, organophosphorus compounds, and herbicides. Results of the investigation identified mercury concentrations in excess of residential cleanup levels in portions of 10 of the 18 putting greens (holes 2, 3, 4, 5, 7, 8, 9, 10, 11, and 17).

All soil (349 tons) with mercury in excess of the cleanup level have been removed from the site and disposed of at Graham Road landfill as mercury contaminated soil under the direction of Fulcrum. The remedial action was validated through collection of 100 remedial confirmation samples.



Ecology conducted an initial review of the remedial action and agrees that the site has been sufficiently cleaned up to the effect that planned grading activities will not pose a significant risk of exposure to contaminants of concern at the site.

3.0 GENERAL DESCRIPTION OF PROJECT ACTIVITIES

Site activities addressed under this HSP will include grading of site soils.

3.1 Contact List

Implementation of this plan will be the responsibility of Selland Construction onsite Project Superintendent and Corporate Safety Officer. Travis Trent will act as the project's Certified Industrial Hygienist (CIH) and will be available on an on-call basis as needed. Additional Selland employees, sub-contractors, and/or Fulcrum staff may be involved in select tasks under the direction and oversight of the Site Safety Officer and/or Project CIH.

The parties involved in this project, their respective organization, and their roles are presented in the following table.

Table 1: Organization of Project Staff and Responsibilities

Person/Agency or Firm	Role/Responsibility
Travis Trent, CIH, LHG, CSP, Principal Fulcrum Environmental Consulting, Inc. 509.993-4739	Project CIH/LHG/CSP

3.2 Proposed Start Date

Activities disturbing general site soils are scheduled to start November of 2021, and are expected to continue until Spring 2021.

3.3 Description of Soil Impacting Activities

This Soil HSP has been prepared to address soil impact during site grading activities. The Soil HSP anticipates site grading will be completed by by heavy equipment with appropriate dust suppression and storm water control practices in place.



Dust suppression activities are required sufficient to prevent visible dust that extends more than one vehicle length from any disturbing vehicle and not closer than within 20-feet of the property boundary or any adjacent occupied or public areas. Work involving site soils will not be conducted if wind conditions are identified with potential to create dust or to move otherwise-created dust beyond the property boundary. In the event that high winds are noted, that visible dust is approaching identified boundaries, or that other conditions of dust related concern are noted, work will be stopped and corrective actions taken.

All personnel and equipment are also subject to site-specific Stormwater Pollution Prevention Plan (SWPPP). Additional considerations onsite operations and/or restrictions may be presented within the site-specific SWPPP.

4.0 CONTAMINATED SOIL SPECIFIC SAFETY AND HEALTH HAZARDS

All identified mercury contaminated soils previously identified associated with the putting greens have been removed from the site and confirm the post-remediation soil sampling. Remaining concentrations of mercury in soil at the site are commensurate with naturally occurring background conditions and do not constitute a suspect environmental hazard to site workers or adjacent property owners.

4.1 Evaluating Potential Risks

The nature of the impacting activity is a significant influencing factor in the potential exposure to the above contaminants. Table 2 summarizes the potential exposure risk based on various potential construction tasks.

Table 2: Potential Risk of Various Remediation Tasks

Type of Task	Potential Exposure Risk
Conducting site activities following remediation of mercury impacted soil	None
Conducting site activities that contact contaminated site soils (walking, driving, etc.) but do not otherwise disturb said soils with no windy or adverse environmental conditions.	Low
Excavation of wetted contaminated soils with no visible dust other than at the point of excavation and extending not more than 3 to 5 feet from the point of disturbance. Hand excavation of contaminated site soils.	Low
Activities that disturb contaminated soils and result in visible dust generation 10 feet or more beyond the point of disturbance or for which workers would be present within the area of dust generation. Contaminated soil disturbance conducted during windy conditions resulting in dust generation.	Low



The length of work task will also impact the potential for worker exposure. Table 3 below, provides a breakdown of risk based on task length.

Table 3: Potential Exposure Risk of Remediation Task Time Length

Length of Time	Potential Exposure Risk
Conducting site activities following remediation of mercury impacted soil regardless of length	None
Short duration activity: usually less than 1 hour total during a standard shift	Low
Moderate duration activity: occurs intermittently throughout the day (usually less than 4 hours total throughout the day)	Low
Long duration activity: occurs steady throughout the day (full 8 or 10 hour shift)	Low

Table 4 below provides a summary of work practices and engineering controls for planned contaminated soil impacting activities based on an evaluation of the risk issues outlined in Tables 2 to 3 above.

Table 4: Exposure Assessment Frequency and Engineering Controls by Risk Level

Concentration & Condition	Construction Task and Duration	Exposure Assessment and Air Monitoring Frequency	Required Administrative and Engineering Controls
Post Remediation	Any task or duration	None	Awareness training for site workers. Dust suppression and storm water suppression consistent with standard construction practices.
Low Risk Tasks	Short to moderate duration	Exposure assessment for each task recommended but not required.	Awareness level training for all workers engaged in task. Restricted access to general work area, dust suppression, and stormwater control in keeping with general site requirements. Respiratory protection should be made available to staff upon request but not required. 40-hour hazmat trained person on-site acting as a competent person is recommended but not requires as the hazard has been identified and controls established.
Low Risk Tasks	Moderate to long duration	Exposure assessment for each task recommended but not required.	Per above with respiratory protection recommended but not required unless necessitated by a positive exposure assessment.
Moderate Risk Tasks	Short to moderate duration	Exposure assessment for each task strongly recommended but not required so long as no potential employee exposure to contaminated soil dust occurs.	Per above. Dust suppression and storm water runoff controls extended to specifically address potentially contaminated soils. On-site hygiene facilities recommended. Respiratory protection and Tyvek-type suites required unless a task specific negative exposure assessment is established in which case it should be made available upon worker request. Periodic third party observations and airborne particulate testing recommended on a task specific basis but not required.



Concentration & Condition	Construction Task and Duration	Exposure Assessment and Air Monitoring Frequency	Required Administrative and Engineering Controls
Moderate Risk Tasks	Moderate to long duration	Exposure assessment for each task is required. If positive, additional monitoring and/or controls may be recommended.	Per requirements for short to moderate duration moderate risk tasks. Respiratory protection recommended even if a negative exposure assessment is established but not required. Third party observations and airborne particulate testing recommended on a weekly basis but not required.
High Risk Tasks	Short to moderate duration	Exposure assessment for each task is required. If positive, additional monitoring and/or controls may be recommended.	40 hour hazmat training recommended but not required for workers engaging in high risk tasks. Third party observations and airborne particulate testing recommended daily but not required.
High Risk Tasks:	Moderate to long duration	Exposure assessment for each task is required. If negative weekly exposure monitoring is recommended. If positive, additional monitoring and/or controls may be recommended.	Per requirements for moderate to long duration moderate risk tasks. Respiratory protection and Tyvektype suites recommended regardless of results of exposure monitoring. Full time third party observations and airborne particulate testing recommended but not required.

5.0 EXPOSURE MONITORING AND CONTROLS

With all mercury contaminated soils removed from the site, Fulcrum does not recommend any exposure monitoring, engineering controls, or personal protective equipment specific to planned soil impacting activities. Work should be conducted consistent with standard site grading activities.

5.1 Worker Training Requirements

All site workers should be provided awareness training consisting of the contents of this Soil HSP.



6.0 EMERGENCY RESPONSE

FIRE: 911 POLICE: 911

HOSPITAL: Providence Holy Family Hospital

5633 North Lidgerwood Street Spokane, Washington 99208

1.509.482.0111

POISON CONTROL CENTER: Washington Poison Center (WAPC)

1.800.222.1222

EXPLOSIVE UNIT: 911

DIRECTIONS TO HOSPITAL (estimated time is approximately 15 minutes):

• From Site

➤ Head east on WA-291 (Nine Mile Road) to East Francis Avenue, turn left (east)

Turn Right (south) on North Lidgerwood street, follow signs to Hospital



7.0 ACKNOWLEDGEMENT

I have read the above site-specific Soils HSP for the Sundance Golf Course Project in Nine Mile Falls, Washington. I am aware of the site history associated with remediation of mercury contaminated soils

By signing below I affirm that I have received awareness training as described in this Soil HSP.

Name (print)	Signature	Date	Company



APPENDIX A

Professional Certifications

The Board for Global EHS Credentialing (BGC)

through its vested authority, hereby confirms that

Travis L. Trent

has met all requirements of education, experience, and examination, and on-going maintenance set forth through the BGC's American Board of Industrial Hygiene®'s (ABIH®) credentialing division for re-certification in the Comprehensive Practice of Industrial Hygiene and is thereby conferred the credential of

Certified Industrial Hygienist® (CIH®)

The aforenamed individual is given all rights, privileges, and responsibilities as both a diplomate of the BGC and holder of the CIH credential, provided that the credential is not suspended or revoked, and it is renewed annually. Moreover, the holder must meet all recertification requirements, including the obligation to practice ethically as prescribed by the BGC.





Credential Number: 9

9850 CP

Award Date:

November 19, 2010

Expiration Date:

June 1, 2026

Cynthia Hanko, CIH

Chair of the Board of Directors

Ulric K. Chung, MCS, PhD

Chief Executive Officer and Secretary



APPENDIX C

Phase II Petroleum Contaminated Soil Cleanup Report



LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT

SUNDANCE GOLF COURSE 9725 NORTH NINE MILE ROAD NINE MILE FALLS, WASHINGTON 99206

Project Number: 192860.00

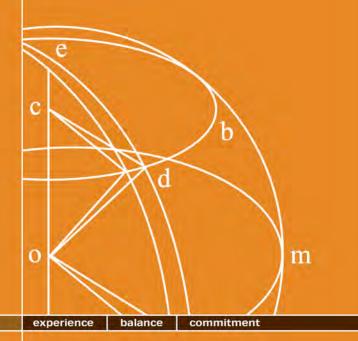
Date: November 10, 2020

Prepared for:

Sundance Meadows LLC Attn: Mike Kinney PO Box 935 Otis Orchards, Washington 99027

Prepared by:

Fulcrum Environmental Consulting, Inc. 207 West Boone Avenue Spokane, Washington 99201





Report Title: Limited Phase II Environmental Site Assessment

Project Number: 192860.00

Date: November 10, 2020

Site: Sundance Golf Course

9725 North Nine Mile Road

Nine Mile Falls, Washington 99206

Prepared for: Sundance Meadows LLC

Attn: Mike Kinney

PO Box 935

Otis Orchards, Washington 99027

Prepared by: Fulcrum Environmental Consulting, Inc.

207 West Boone Avenue Spokane, Washington 99201

509.459.9220

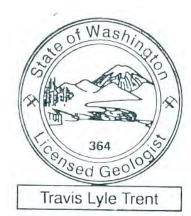
The professionals who completed site services, prepared, and reviewed this report include but are not limited to:

Authored by:

Travis Trent, PG, CIH

Principal

Date: 11/10/2020





Report Integrity

Fulcrum Environmental Consulting, Inc.'s scope of service for this project was limited to those services as established in the proposal, contract, verbal direction, and/or agreement. This report is subject to applicable federal, state, and local regulations governing project-specific conditions and was performed using recognized procedures and standards of the industry. Scientific data collected in situ may document conditions that may be specific to the time and day of service, and subject to change as a result of conditions beyond Fulcrum's control or knowledge. Fulcrum makes no warranties, expressed or implied as to the accuracy or completeness of other's work included herein. Fulcrum has performed these services in accordance with generally accepted environmental science standards of care at the time of the inspection. No warranty, expressed or implied, is made.



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Locations

APPENDICES

Appendix A: Professional Certifications

Appendix B: Laboratory Analytical Reports

Appendix C: Site Photographs

Appendix D: Waste Disposal Receipts



1.0 INTRODUCTION

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by Sundance Meadows LLC to complete a Limited Phase II Environmental Site Assessment (ESA) of the former Sundance Golf Course property located at 9725 North Nine Mile Road in Nine Mile Falls, Washington (site). A Phase I Environmental Site Assessment completed by Fulcrum in May of 2019 identified three areas of environmental concern summarized as follows:



General Subject Site Location

- Covered storage area A covered storage area in the former maintenance yard was identified with two ASTs. An approximate 500-gallon tank that appeared to contain diesel and an approximate 300-gallon tank that appeared to contain gasoline. In addition, a number of drums were identified in the area that were suspect for oil/grease. Potential was identified for exposed soil in the covered storage area to have been impacted by gas/diesel/oil- range petroleum hydrocarbons, BTEX and PAHs.
- Suspect Agricultural Chemical AST A single approximate 300-gallon AST was identified along the north side of the former maintenance building. During the Phase I ESA it was identified to be filled with a clear liquid. Based on site use and observed condition, the clear liquid was identified as a suspect agricultural chemical and site soils beneath the AST were identified as suspect for residual impact from overfilling, drips, spills.
- Storage Shed A former storage shed where bags and containers of agricultural chemicals used for golf course maintenance were stored on wood pallets over a dirt floor. Potential was identified for exposed soils to be impacted by residual agricultural chemicals from leaks/spills.

1.1 Scope of Services

Fulcrum's scope of work was to conduct soil sampling to evaluate for the potential residual soil impact associated with petroleum hydrocarbons and agricultural chemicals associated with a covered storage area in the maintenance area, a 300-gallon suspect agricultural chemical AST, and a storage shed. Fulcrum's scope of work was to conduct soil sampling to evaluate for the potential residual soil impact associated with the identified environmental concerns. Specific services are summarized as follows:

- Fulcrum inspected the site to confirm removal of three (3) ASTs, the stored agricultural chemicals and petroleum hydrocarbon products in the covered storage area and the stored agricultural chemicals in the storage shed.
- Following acceptable visual inspection, Fulcrum collected two (2) soil samples to confirm



- absence of residual agricultural chemical contamination and five (5) soil samples to confirm absence of residual petroleum hydrocarbon impact.
- The two (2) samples collected to evaluate for residual agricultural chemical contamination were analyzed for Organophosphorus Pesticides by method EPA 8081 and Chlorinated Herbicides by method EPA 8151A.
- The five (5) samples to assess site soils for residual petroleum hydrocarbon impact where analyzed for Gasoline Range Organics by method Northwest Total Petroleum Hydrocarbons for Gasoline (NWTPH-Gx); Benzene, Toluene, Ethylbenzene, and Toluene (BTEX) by method EPA 8260; Total Lead by method EPA 6020; and Diesel & Heavy Oil Range Organics by method NWTPH-Dx. In addition two of the five samples were analyzed for Total Lead by method EPA 6020 and one sample was analyzed for Polycyclic Aromatic Hydrocarbons (PAHs) by method EPA 8270-SIM.
- Fulcrum subcontracted Fremont Analytical, Inc. of Seattle, Washington, to complete laboratory analytical services. Analytical data will be evaluated against quality assurance/quality control validation criteria and applicable environmental regulatory thresholds as established by the Washington State Department of Ecology (Ecology).
- Results of the Phase II investigation and contaminated soil remediation are presented in this summary report documenting investigation activities, remedial actions, and conclusions.

Fulcrum's testing identified a small area of petroleum contaminated soil (PCS) associated with the covered storage area. Fulcrum's scope of work was expanded to include coordination and oversight of removal of the identified soils in accordance with applicable regulations followed by collection of three (3) additional confirmatory soil samples.

Site services were completed by or under the direction of Travis Trent, a Washington State Licensed Geologist and Principal with Fulcrum with over 25-years of experience in environmental site assessments. Relevant professional certifications are presented in Appendix A.

1.2 Background

The Sundance Golf Course site remained vacant until approximately 1968 when it was developed into an 18-hole golf course. The site functioned as an 18-hole golf course for another 50 years until it was permanently closed in October 2018. During that time the site was traditionally maintained by professional greens keepers using typical fertilizers and herbicides during operation.



View of typical fairway



2.0 DISCUSSION OF PERTINENT REGULATIONS AND GUIDANCE

2.1 Regulatory Cleanup Standards

Fulcrum has provided evaluation of the soils under the Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) criteria. In March of 1989, MTCA went into effect in Washington State. The MTCA regulations, WAC 173-340, set standards to ensure quality of cleanup and protection of human health and the environment in Washington State. A major portion of the MTCA regulation (completed in 1991) was the development of numerical cleanup standards and requirements for cleanup actions. Three options were established under MTCA for site-specific cleanup levels: Method A, B, and C. Method A defines cleanup levels for 25 of the most common hazardous substances found at sites. Method B levels are set using a site risk assessment, which enables consideration of site-specific characteristics. Method C is similar to Method B; however, the individual substance's cancer risk portion of the assessment is set at 1 in 100,000 rather than 1 in 1,000,000.

Rule amendments to MTCA, which became effective August 15, 2001, changed the cleanup levels of petroleum hydrocarbon contamination. Whereas diesel and heavy oil concentrations were increased, the MTCA Method A cleanup levels for gasoline and gasoline components Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) were lowered significantly. Changes to MTCA since 2001 have primarily been of an administrative nature; however, Ecology continues to review research and through a recommendation and review process, adjust chemical-specific cleanup standards.

Based on the type of contaminants identified at the site, Fulcrum has determined that MTCA Method A Cleanup Levels are the most appropriate and conservative for determining site cleanup threshold values for the site. Method B cleanup levels were selected for constituents where Method A cleanup levels have not been established.

3.0 SITE LOCATION AND DESCRIPTION

The former Sundance Golf Course site is located at 9725 North Nine Mile Road in Nine Mile Falls, Washington. The subject site consists of the following three Spokane County Tax Parcels totaling approximately 89.43 acres: 26163.9025, 26163.9028, and 26163.9031. The subject site parcels consist of one (1) former clubhouse with an associated paved parking lot, four (4) storage warehouses, and three (3) pump houses. The majority of the subject site is occupied by a Nonoperational 18-hole golf course. See Figure 1 for a topographic map of the subject site location.



3.1 Regional Geologic Setting

From a regional perspective, the subject site lies on the eastern portion of the Columbia Plateau, an extensive, relatively featureless plain overlain by middle Tertiary basaltic lava inter-layered with sedimentary materials. The Columbia Plateau impinges upon the folded, faulted, and metamorphosed rocks of the Idaho Panhandle. The subject site lies in Spokane County, a region with warm dry summers and cool moist winters. Average annual precipitation in the Spokane area is less than 20-inches per year. The subject site is located on the Pleistocene age Glacial Lake Missoula outwash plain deposits. These deposits consist of thick layers of fine-medium grained sand deposited during a series of outburst floods that resulted from repeated collapse of the ice dam that impounded ancient Glacial Lake Missoula. Groundwater flow beneath the subject site is generally north-northwest toward the Spokane River. Site soils are sandy glaciofluvial deposits laid down at the end of the last ice age during these floods.

3.2 Soil Type

Site soils are identified by the U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey as dominantly SPRINGDALE GRAVELLY ASHY COARSE SANDY LOAM across the subject site with an area of URBAN LAND SPRINGDALE DISTURBED COMPLEX.

Site soils are identified by the EDR database report as dominantly AVONVILLE, a fine gravelly-silt loam. The soil has a moderate infiltration rate with deep and moderately deep,



View of excavation area showing near surface site soils.

moderately well and well-drained soils that are moderately coarse in texture. The soil has an intermediate water holding capacity. Depth to the bedrock is estimated at greater than 60 inches below ground surface (bgs).

AVONVILLE soil horizons are described to consist of the following:

- From 0 to 16 inches bgs fine gravelly silt loam
- From 16 to 25 inches bgs very gravelly silt loam
- From 25 to 37 inches bgs very gravelly sandy loam
- From 37 to 60 inches bgs very gravelly sand



4.0 FIELD ACTIVITIES

On September 26, 2019, Travis Trent arrived on site and completed an evaluation of the areas where agricultural chemical and petroleum hydrocarbon products were previously stored. The two ASTs and miscellaneous drums had been removed from the covered storage area, the suspect agricultural chemical AST had been removed from the north side of the storage building, and the agricultural chemicals had been removed from the storage shed. No remaining agricultural chemicals or petroleum hydrocarbon products were observed to be stored on the property.

4.1 Covered Storage Area

Fulcrum's inspection found the two ASTs and the drums to have been removed from the covered storage area. A fresh layer of soil had been placed throughout the covered storage area. Fulcrum randomly select five locations for sampling of soils within the covered storage area. In each location soil was hand excavated to an approximate depth of 1 foot (ft) below ground surface (bgs) and a soil sample was collected at the observed interface between the fresh soils and the former soils forming



the floor of the covered storage area. See Figures 2 and 3 for soil sample location maps. All five samples (SGC-092619-01 through 05) were analyzed for gas, BTEX, and diesel/oil. Two of the sample locations (SGC-092619-01 and 04) were also analyzed for lead and one sample, was analyzed for PAHs.

4.2 Suspect Agricultural Chemical AST

A single 300-gallon AST had been located alongside the north side of the former maintenance building. At the time of the Phase I ESA it had been filled with a clear liquid and was presumed to have been used for storage of agricultural chemicals based on site use and observed conditions. The AST had been removed. No residual soil staining was observed but a small area of distressed vegetation (less than 3 square feet) was present in the former suspect agricultural chemical AST location.



View of AST storage area and localized stressed vegetation (see arrow) located proximal to the northwest corner of the warehouse shed



A single sample (SGC-092610-07) was collected from the location of the distressed vegetation at a depth of approximately 1 ft bgs. The sample was analyzed for herbicides and pesticides.

4.3 Shed

Fulcrum completed a visual inpsection of shed that had been identified as a storage area for agricultural chemicals associated with golf course maintenance. All contents had been removed leaving the exposed sand floor. No suspect discoloration or any other indication of release or spills was observed. A single location was randomly selected for sampling. Fulcrum hand excavated the location to a depth of 6-inches bgs observing for any staining, discoloration, or other indication of impact. No indication of impact was identified and a sample (SGC-092610-08) was collected at approximately 6-inches bgs. The sample was analyzed for herbicides and pesticides.



View of non-native sand overlain on bare soil within chemical storage shed. The shovel indicates where the soil was taken at approximately 6-inches bgs in native soil.

4.4 Sample Collection Methodology

At each sample location soil samples were collected using a cleanable hand tool and placed into laboratory supplied clean, four-ounce borosilicate glass jars with Teflon-lined lids and methanol preserved 40 milliliter (ml) clear glass volatile organic analysis (VOA) containers. New, clean nitrile gloves were used for each sample set and sampling tools were cleaned and decontaminated between each sample. Following collection, each sample was placed into the laboratory provided container, labeled with a unique identification number, logged onto a chain-of-custody, and placed into a cooler with ice.

The samples were packaged on ice and shipped overnight via commercial carrier under chain-of-custody to Fremont Analytical of Seattle, Washington for analysis.

4.5 September 26, 2019 Sample Analysis

A total of seven (7) samples were collected representing the three locations. The samples were shipped to Fremont Analytical of Seattle for analysis using the following methodologies:



- Gasoline range organics by Northwest Total Petroleum Hydrocarbons Gasoline Extended (NWTPH-Gx).
- Diesel range organics by NWTPH Diesel Extended.
- Benzene, Toluene, Ethylbenzene, Xylene (BTEX) by EPA Method 8260C.
- Lead by EPA Method 6020B.
- Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
- Organophosphorus Pesticides analysis by method EPA 8081 and Chlorinated Herbicides analysis by method EPA 8151A.

Table 1 presents a summary of the September 26, 2019 analytical results. All results are presented in milligrams of analyte per kilogram (mg/kg) of soil. See Appendix B for analytical results and Appendix C for site photographs.

Table 1: September 26, 2019 - Surface Soil Sample Results in ppm (mg/Kg)

Sample Location	Sample #	Gasoline	Benzene	Toluene	Ethylbenzene	Xylene	Lead	Diesel-range hydrocarbons	Heavy oil- range hydrocarbons	Combined Diesel- range and Heavy oil- range hydrocarbons ¹	PAHs	Herbicides ²	Organophosphorus Pesticides ³
1	SGC- 092619-01	ND	ND	ND	ND	ND	9.76	ND	ND	ND	-	-	-
2	SGC- 092619-02	36.1	ND	0.135	ND	.230	-	ND	46.7	46.7	-	-	-
3	SGC- 092619-03	ND	ND	ND	ND	ND	-	173	1,080	1,253	ı	-	-
4	SGC- 092619-04	ND	ND	ND	ND	ND	13.7	ND	143	143	ND	-	-
5	SGC- 092619-05	ND	ND	ND	ND	ND	-	ND	ND	ND	-	-	-
7	SGC- 092619-07	-	-	-	-	-	-	-	-	-	-	ND	ND
8	SGC- 092619-08	-	-	-	-	-	-	-	-	-	-	.04485	ND
	Method A Level (mg/Kg)	304	0.03	7	6	9	250		2,000		0.1	2,4006	-

Bolded concentrations were found above applicable Cleanup Levels

mg/Kg – milligrams per kilogram (equal to parts per million [ppm]).

ND - Analyte not detected at the laboratory method detection limit.

[&]quot;-" Not Analyzed

¹ Diesel-range and heavy oil-range hydrocarbon concentrations are combined together per MTCA Method A cleanup standards for soil

² Herbicides have specific cleanup values according to the Washington State Department of Ecology's Cleanup Levels and Risk Calculation (CLARC) table

³ Organophosphorus Pesticides have specific cleanup values according to the Washington State Department of Ecology's Cleanup Levels and Risk Calculation (CLARC) table

⁴ MTCA cleanup levels for gasoline range organics are 100 mg/Kg for gasoline mixtures without benzene and the total of ethylbenzene, toluene, and xylene are less than 1% of the gasoline mixture. All other gasoline mixture have a MTCA Method A cleanup level of 30 mg/Kg

⁵ Concentration of Dicamba (a type of chlorinated herbicide) that was the only herbicide detected

⁶ MTCA Method B Cleanup level for Dicamba



All soils samples were identified to be under MTCA Method A Cleanup Levels with the exception of one sample (SGC-092619-02) taken from 1.0 feet bgs at sample location 02 within the eastern section of the covered storage area. Laboratory analytical reported detectable concentrations of gasoline at 36.1 mg/Kg, which is above the MTCA method A Cleanup Level of 30 mg/Kg.

Fulcrum notified the owner of the sampling results and recommended that the Petroleum Contaminated Soil (PCS) associated with the SGC-092619-02 test location be excavated and transported to Graham Road Landfill for disposal as PCS.

The owner contacted with Able Cleanup Services of Spokane to provide excavation, transportation, and disposal of the contaminated soil. Fulcrum's scope of work was expanded to include remedial oversight and to conduct post remediation confirmatory soil sampling.

5.0 PCS REMOVAL AND CONFIRMATIONAL SAMPLING

On October 22, 2020, Fulcrum arrived on site to conduct remediation oversight of PCS associated with the AST and Drum Storage area proximal to the maintenance storage building. The purpose of the work was to remove all PCS and conduct characterization and confirmatory sampling sufficient to determine if contaminated soil had been removed. See Figure 4 for the excavation extents and soil sample locations.

To facilitate access to the sample SGC-092619-02 area, the covered shed structure was knocked over and removed. An area centered on the sample SGC-



View of northern AST and Drum Storage Remedial Excavation Area within the maintenance yard

092619-02 area measuring 20 feet long and 12 feet wide was excavated to a depth of approximately 2 ft bgs. No suspect staining, discoloration, odor or other field indicators of petroleum hydrocarbon impact were identified during the excavation or in remaining site soils at the bottom and sidewalls of the excavation area.

The excavated soil, totaling 16.30-tons, was transported to Graham Road Landfill for disposal as PCS (see Appendix D for copy of the disposal receipt).

Following completion of excavation activities, Fulcrum collected 3 soil samples (SGC-102220-01 through SGC-102220-03) from representative locations and depths of the excavation sidewalls and pit bottom to confirm absence of residual contamination.



Soil samples were collected into clean laboratory-supplied four-ounce borosilicate clear glass jars with Teflon-lined lids and 40-milliliter (ml) methanol-preserved clear glass volatile organic analysis (VOA) containers. Each soil sample was given a unique project identification number. New clean nitrile gloves were used for each sample set.

5.1 October 22, 2020 Sample Analysis

Samples were packaged on ice and shipped overnight via commercial carrier under chain-of-custody to Fremont Analytical, Inc. (Fremont) of Seattle,



View of southern AST and Drum Storage Remedial Excavation Area within the maintenance yard

Washington for analysis. Based on the sample location and potential contaminants of concern, the following analyses were requested for each sample collected:

- Gasoline range organics by Northwest Total Petroleum Hydrocarbons Gasoline Extended (NWTPH-Gx).
- Diesel range organics by NWTPH Diesel Extended (NWTPH-Dx).
- Benzene, Toluene, Ethylbenzene, Xylene (BTEX) by EPA Method 8260C.

Table 2 presents a summary of the October 22, 2020 analytical results and sample locations. All results are presented in milligrams of analyte per kilogram (mg/kg) of soil. See Figure 4 for a sample location map and Appendix C for analytical results.

Table 2: October 22, 2020 – Confirmatory Soil Sample Results in pm (mg/kg)

Sample Location	Sample #	Gasoline	Benzene	Toluene	Ethylbenzene	Xylene	Diesel
Central pit bottom at 2 ft bgs	SGC- 102220-01	ND	ND	0.0259	ND	0.0969	ND
North central side wall at 1.5 ft bgs	SGC- 102220-01	ND	ND	ND	ND	ND	ND
West sidewall pit bottom near south end	SGC- 102220-01	ND	ND	ND	ND	ND	ND
MTCA Method A Cleanup Levels		30 ⁺	0.03	7	6	9	2,000

mg/Kg – milligrams per kilogram (equal to parts per million [ppm]). ND – Analyte not detected at the laboratory method detection limit.

⁺ MTCA cleanup levels for gasoline range organics are 100 mg/Kg for gasoline mixtures without benzene and the total of ethylbenzene, toluene, and xylene are less than 1% of the gasoline mixture. All other gasoline mixture have a MTCA Method A cleanup level of 30 mg/Kg



All soils samples were identified to be non-detect for gasoline, diesel, and BTEX with the exception of sample SGC-102220-01 taken from the central pit bottom at 2 ft bgs. Laboratory analytical identified detectable concentrations of toluene and total xylenes, both substantially below their respective MTCA Method A Cleanup Levels.

6.0 DISCUSSION

Fulcrum conducted Phase II investigation of three conditions identified during the Phase I ESA with potential for adverse environmental impact to the subject site.

- Covered storage area A covered storage area in the former maintenance yard was identified with two ASTs. An approximate 500-gallon tank that appeared to contain diesel and an approximate 300-gallon tank that appeared to contain gasoline. In addition, a number of drums were identified in the area that were suspect for oil/grease. Potential was identified for exposed soil in the covered storage area to have been impacted by gas/diesel/oil- range petroleum hydrocarbons, BTEX and PAHs.
- Suspect Agricultural Chemical AST A single approximate 300-gallon AST was identified along the north side of the former maintenance building. During the Phase I ESA it was identified to be filled with a clear liquid. Based on site use and observed condition, the clear liquid was identified as a suspect agricultural chemical and site soils beneath the AST were identified as suspect for residual impact from overfilling, drips, spills.
- Storage Shed A former storage shed where bags and containers of agricultural chemicals used for golf course maintenance were stored on wood pallets over a dirt floor. Potential was identified for exposed soils to be impacted by residual agricultural chemicals from leaks/spills.

6.1 Covered Storage Area

Fulcrum's initial investigation consisted of the collection of five (5) samples from the covered storage area. Analytical results identified gasoline range hydrocarbons in sample SGC-092619-02 at 36.1 mg/kg as compared to the MTCA Method A cleanup value of 30 mg/kg. On October 22, 2020, 16.30-tons of soil was excavated from this area and disposed of as PCS at Graham Road landfill. Confirmatory samples taken from this location demonstrated that the remedial action was sufficient and that no further remediation was necessary in this location.

6.2 Suspect Agricultural Chemical AST

A single sample collected from an area of distressed vegetation in the location of the removed AST was non-detect for all tested herbicides and pesticides. No further investigation of this location/condition was recommended.



6.3 Storage Shed

One (1) sample was collected from the storage shed following removal of the stored agricultural chemicals. Analysis for pesticides and herbicides resulted in no detectable concentrations of any analytes except for Dicamba (a type of chlorinated herbicide) which was detected with a concentration of 0.0448 mg/kg. The MTCA regulatory threshold of for Dicamba is 2,400 mg/kg. No further investigation of this location/condition was recommended.

7.0 CONCLUSIONS

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by Sundance Meadows LLC to complete a Limited Phase II Environmental Site Assessment (ESA) of a property located at 9725 North Nine Mile Road in Nine Mile Falls, Washington (site). The investigation assessed potential adverse environmental conditions associated with a covered storage area, suspect agricultural chemical AST, and a shed used to store agricultural chemicals for maintenance of the golf course. Initial sampling of the three (3) areas identified no suspect residual contamination associated with the suspect agricultural chemical AST or shed.

Testing in the covered storage area identified a small area of gasoline contaminated soil just above the regulatory threshold. This area was over excavated (16.30-tons of soil were removed) with all excavated soil transported to Graham Road Landfill for disposal as PCS. Confirmatory samples collected at the conclusion of the excavation demonstrated that no PCS remained.

Based on the results of the physical investigation and soil sampling as summarized in this report, it is Fulcrum's professional opinion that there are no remaining environmental concerns associated with the covered storage area, suspect agricultural chemical AST, or the shed formerly used to store agricultural chemicals for maintenance of the golf course.

8.0 LIMITATIONS

Fulcrum Environmental Consulting, Inc. has performed professional services in accordance with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. The conclusions and recommendations are based upon our field observations, field screening, and independent laboratory analysis.

Professional services included site investigation, sample collection, and limited field observations. Fulcrum makes no warranties expressed or implied as to the accuracy or completeness of other's work included or referenced herein, nor the use of segregated portions of this report. This document does not imply that the property is free of other environmental concerns. This report is



solely for the use and information of our client. Any reliance on this report by a third party is at that party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing at the time services were performed. Fulcrum Environmental Consulting, Inc. is not responsible for the impact of changes in environmental standards, practices, or regulations subsequent to the performance of services. Fulcrum Environmental Consulting, Inc. assumes no liability for conditions that were not included in our scope of services, or conditions not generally recognized as predictable when services were performed.



FIGURES

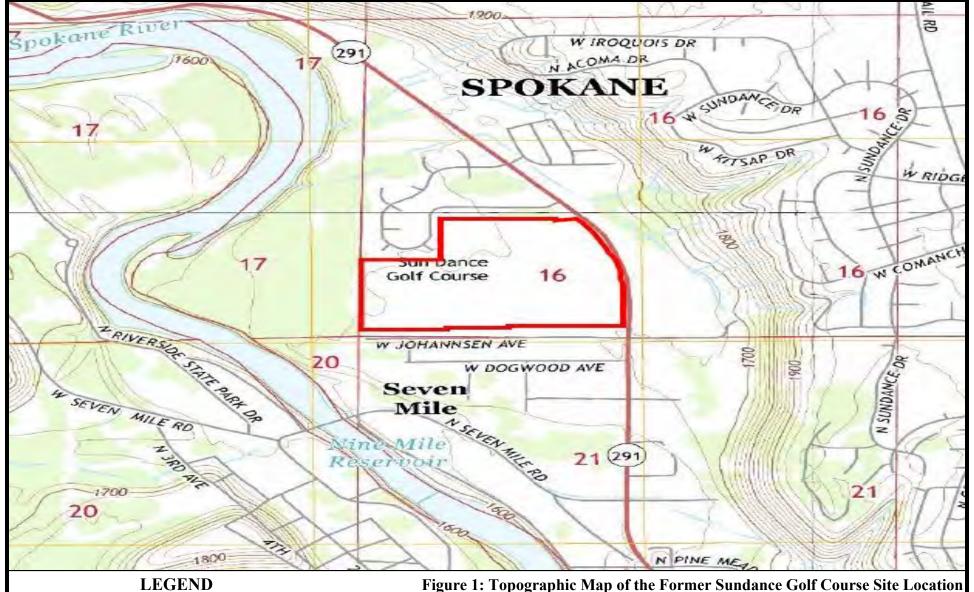
Figure 1:	Topographic I	Map of the Forme	er Sundance Golf	Course Site Location

Figure 2: Aerial View of September 26, 2019 Soil Sample Locations

Figure 3: AST and Drum Storage area Soil Sample Location Map

Figure 4: AST and Drum Storage area Excavation Extents and Confirmatory Sample

Location Map



LEGEND



Approximate subject site location



|--|

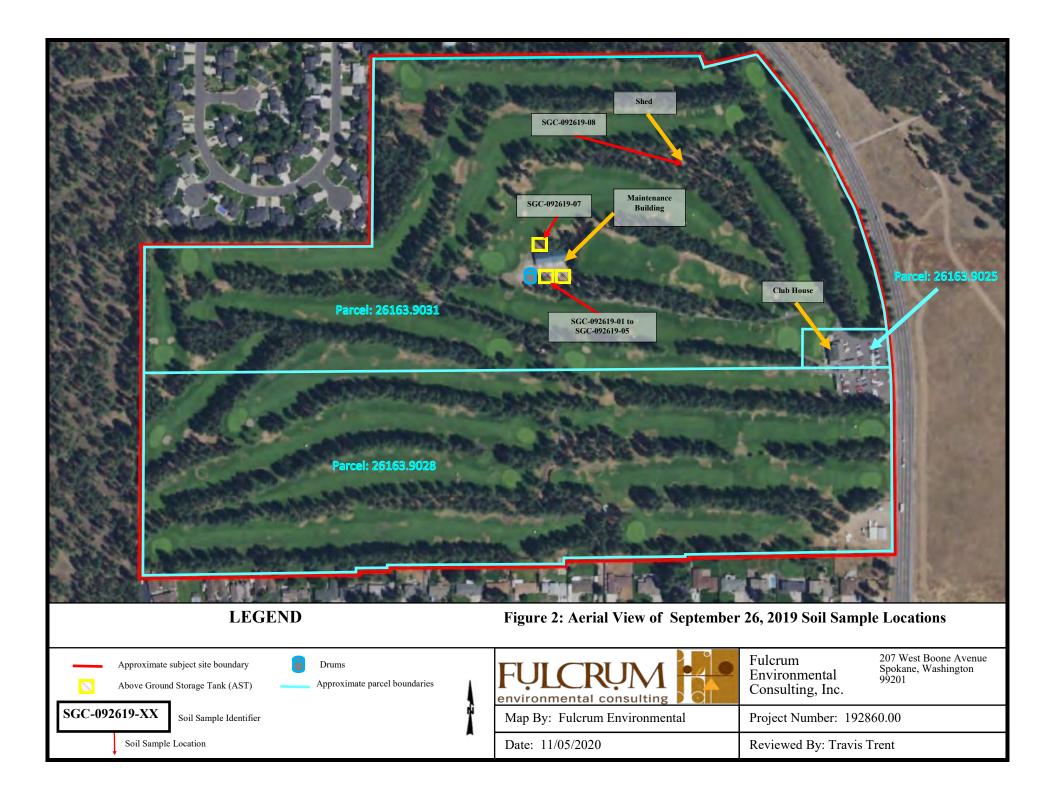
Fulcrum Environmental Consulting, Inc. 207 West Boone Avenue Spokane, Washington 99201 (509) 459-9220

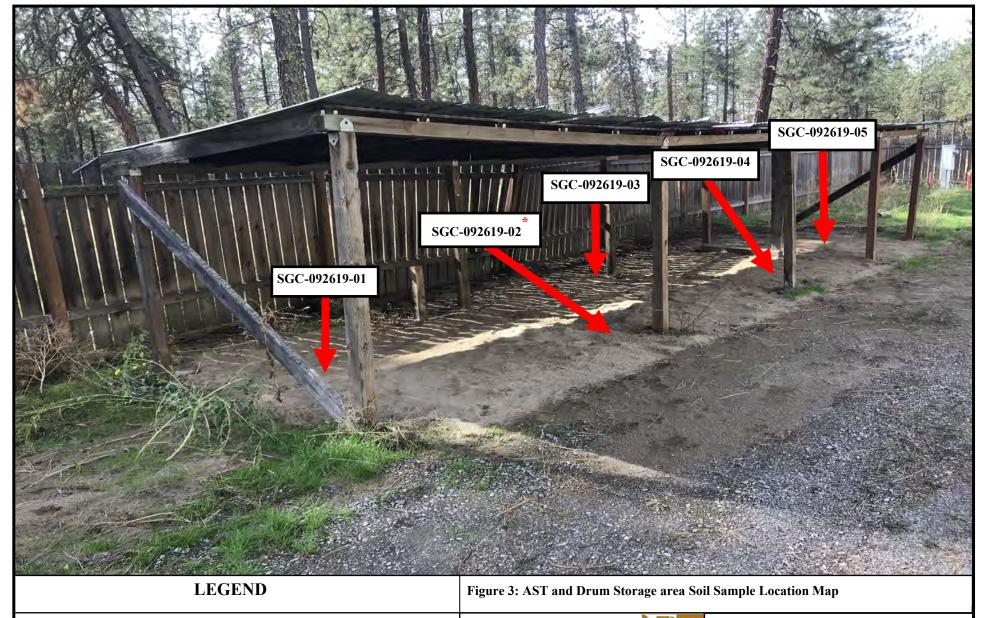
Map By: Fulcrum Environmental

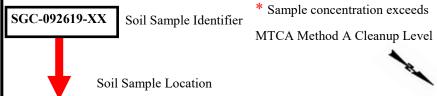
Project Number: 192860.00

Date: 11/05/2020

Reviewed By: Travis Trent









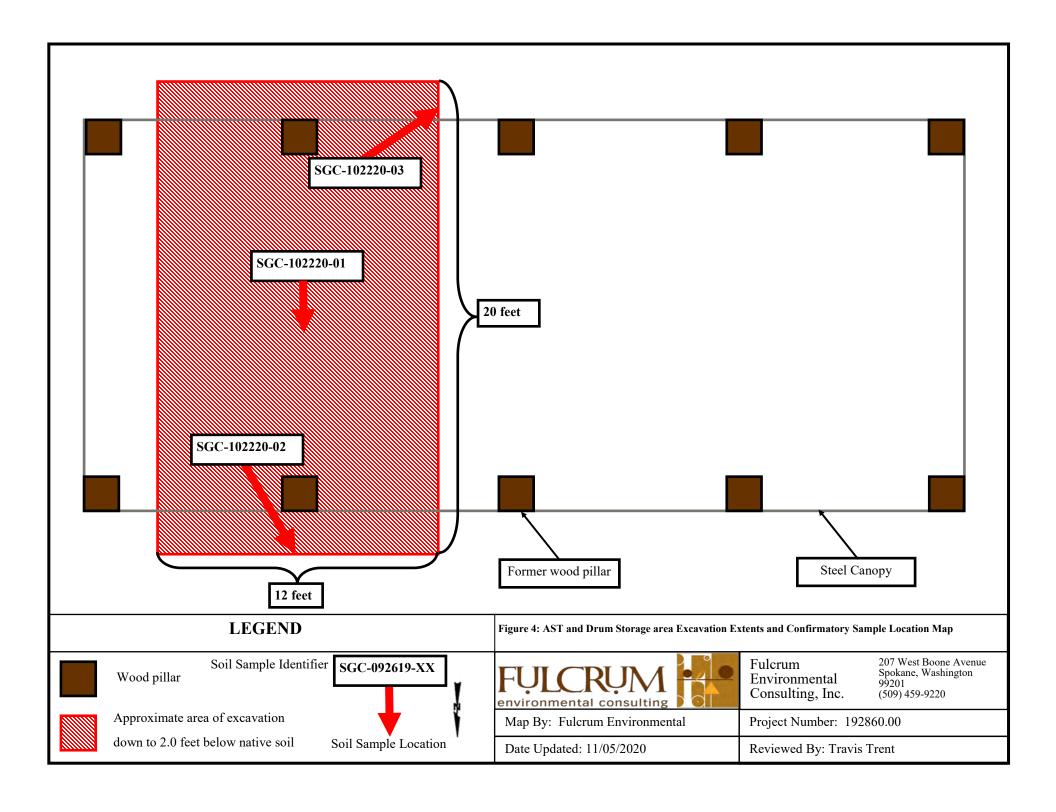
Fulcrum Environmental Consulting, Inc. 207 West Boone Avenue Spokane, Washington 99201 (509) 459-9220

Map By: Fulcrum Environmental

Project Number: 192860.00

Date Updated: 11/05/2020

Reviewed By: Travis Trent





APPENDIX A

Professional Certifications



STATE OF WASHINGTON



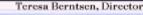
DEPARTMENT OF LICENSING - BUSINESS AND PROFESSIONS DIVISION THIS CERTIFIES THAT THE PERSON OR BUSINESS NAMED BELOW IS AUTHORIZED AS A

GEOLOGIST Hydrogeologist

Travis L Trent 1127 W 8th Ave Spokane WA 99204-3107

364 License Number 2002-01-08 Issue Date 2021-06-06 Expiration Date







APPENDIX B

Laboratory Analytical Reports



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Fulcrum Environmental Scott Groat 207 W Boone Ave. Spokane, WA 99201

RE: Sundance Golf Course PH II Work Order Number: 1909462

October 17, 2019

Attention Scott Groat:

Fremont Analytical, Inc. received 8 sample(s) on 9/27/2019 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Herbicides by EPA Method 8151A
Organophosphorus Pesticides by EPA Method 8270-SIM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

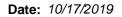
All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes Project Manager

DoD/ELAP Certification #L17-135, ISO/IEC 17025:2005 ORELAP Certification: WA 100009-007 (NELAP Recognized)





CLIENT: Fulcrum Environmental Work Order Sample Summary

Project: Sundance Golf Course PH II

Work Order: 1909462

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1909462-001	SGC-092619-01	09/26/2019 10:57 AM	09/27/2019 10:16 AM
1909462-002	SGC-092619-02	09/26/2019 11:00 AM	09/27/2019 10:16 AM
1909462-003	SGC-092619-03	09/26/2019 11:05 AM	09/27/2019 10:16 AM
1909462-004	SGC-092619-04	09/26/2019 11:10 AM	09/27/2019 10:16 AM
1909462-005	SGC-092619-05	09/26/2019 11:15 AM	09/27/2019 10:16 AM
1909462-006	SGC-092619-06	09/26/2019 11:20 AM	09/27/2019 10:16 AM
1909462-007	SGC-092619-07	09/26/2019 11:42 AM	09/27/2019 10:16 AM
1909462-008	SGC-092619-08	09/26/2019 12:01 PM	09/27/2019 10:16 AM



Case Narrative

WO#: **1909462**Date: **10/17/2019**

CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

10/17/19: Revision 1 includes added Diesel analysis.



Qualifiers & Acronyms

WO#: 1909462

Date Reported: 10/17/2019

Qualifiers:

- * Flagged value is not within established control limits
- B Analyte detected in the associated Method Blank
- D Dilution was required
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- I Analyte with an internal standard that does not meet established acceptance criteria
- J Analyte detected below Reporting Limit
- N Tentatively Identified Compound (TIC)
- Q Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD. <20% Drift or minimum RRF)
- S Spike recovery outside accepted recovery limits
- ND Not detected at the Reporting Limit
- R High relative percent difference observed

Acronyms:

%Rec - Percent Recovery

CCB - Continued Calibration Blank

CCV - Continued Calibration Verification

DF - Dilution Factor

HEM - Hexane Extractable Material

ICV - Initial Calibration Verification

LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate

MB or MBLANK - Method Blank

MDL - Method Detection Limit

MS/MSD - Matrix Spike / Matrix Spike Duplicate

PDS - Post Digestion Spike

Ref Val - Reference Value

RL - Reporting Limit

RPD - Relative Percent Difference

SD - Serial Dilution

SGT - Silica Gel Treatment

SPK - Spike

Surr - Surrogate



Analytical Report

Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 10:57:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-001 **Matrix:** Soil

Client Sample ID: SGC-092619-01

Analyses	Result	RL	Qual	Units DF		Date Analyzed
Diesel and Heavy Oil by NWTPH-I	Dx/Dx Ext.			Batch	ı ID:	26115 Analyst: DW
Diesel (Fuel Oil)	ND	18.4	Н	mg/Kg-dry	1	10/11/2019 8:05:33 PM
Heavy Oil	ND	45.9	Н	mg/Kg-dry	1	10/11/2019 8:05:33 PM
Surr: 2-Fluorobiphenyl	84.9	50 - 150	Н	%Rec	1	10/11/2019 8:05:33 PM
Surr: o-Terphenyl	87.0	50 - 150	Н	%Rec	1	10/11/2019 8:05:33 PM
Gasoline by NWTPH-Gx				Batch	ı ID:	25995 Analyst: KT
Gasoline	ND	6.64		mg/Kg-dry	1	10/1/2019 11:23:04 AM
Surr: Toluene-d8	99.5	65 - 135		%Rec	1	10/1/2019 11:23:04 AM
Surr: 4-Bromofluorobenzene	97.1	65 - 135		%Rec	1	10/1/2019 11:23:04 AM
Volatile Organic Compounds by E	PA Method	8260D		Batch	ı ID:	25995 Analyst: KT
Benzene	ND	0.0265		mg/Kg-dry	1	10/1/2019 11:23:04 AM
Toluene	ND	0.0265		mg/Kg-dry	1	10/1/2019 11:23:04 AM
Ethylbenzene	ND	0.0332		mg/Kg-dry	1	10/1/2019 11:23:04 AM
m,p-Xylene	ND	0.0664		mg/Kg-dry	1	10/1/2019 11:23:04 AM
o-Xylene	ND	0.0332		mg/Kg-dry	1	10/1/2019 11:23:04 AM
Surr: Dibromofluoromethane	104	56.5 - 129		%Rec	1	10/1/2019 11:23:04 AM
Surr: Toluene-d8	103	64.5 - 151		%Rec	1	10/1/2019 11:23:04 AM
Surr: 1-Bromo-4-fluorobenzene	96.7	54.8 - 168		%Rec	1	10/1/2019 11:23:04 AM
Total Metals by EPA Method 6020	<u>B</u>			Batch	ı ID:	25997 Analyst: CO
Lead	9.76	0.165		mg/Kg-dry	1	10/1/2019 7:10:45 PM
Sample Moisture (Percent Moisture	re)			Batch	ı ID:	R54300 Analyst: ZR
Percent Moisture	3.70	0.500		wt%	1	10/2/2019 9:47:58 AM

Revision v1



Analytical Report

Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:00:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-002 **Matrix:** Soil

Client Sample ID: SGC-092619-02

Analyses	Result	RL	Qual	Units	DF	- Da	nte Analyzed
Diesel and Heavy Oil by NWTPH	-Dx/Dx Ext.			Batch	n ID:	26115	Analyst: DW
Diesel (Fuel Oil)	46.7	20.0	Н	mg/Kg-dry	1	10/1	1/2019 8:35:42 PM
Heavy Oil	ND	50.0	Н	mg/Kg-dry	1	10/1	1/2019 8:35:42 PM
Surr: 2-Fluorobiphenyl	86.6	50 - 150	Н	%Rec	1	10/1	1/2019 8:35:42 PM
Surr: o-Terphenyl	89.0	50 - 150	Н	%Rec	1	10/1	1/2019 8:35:42 PM
Gasoline by NWTPH-Gx				Batch	n ID:	25995	Analyst: KT
Gasoline	36.1	6.74		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	10/1	/2019 12:28:08 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	10/1	/2019 12:28:08 PM
Volatile Organic Compounds by	EPA Method	8260D		Batch	n ID:	25995	Analyst: KT
Benzene	ND	0.0270		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
Toluene	0.135	0.0270		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
Ethylbenzene	ND	0.0337		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
m,p-Xylene	0.146	0.0674		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
o-Xylene	0.0839	0.0337		mg/Kg-dry	1	10/1	/2019 12:28:08 PM
Surr: Dibromofluoromethane	88.1	56.5 - 129		%Rec	1	10/1	/2019 12:28:08 PM
Surr: Toluene-d8	102	64.5 - 151		%Rec	1	10/1	/2019 12:28:08 PM
Surr: 1-Bromo-4-fluorobenzene	100	54.8 - 168		%Rec	1	10/1	/2019 12:28:08 PM
Sample Moisture (Percent Moist	ure)			Batch	n ID:	R54300	Analyst: ZR
Percent Moisture	4.86	0.500		wt%	1	10/2	/2019 9:47:58 AM

Revision v1



Analytical Report

Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:05:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-003 **Matrix:** Soil

Client Sample ID: SGC-092619-03

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/l	Ox Ext.			Batch	n ID:	26115 Analyst: DW
Diesel (Fuel Oil)	173	19.6	Н	mg/Kg-dry	1	10/11/2019 9:05:59 PM
Heavy Oil	1,080	49.0	Н	mg/Kg-dry	1	10/11/2019 9:05:59 PM
Surr: 2-Fluorobiphenyl	105	50 - 150	Н	%Rec	1	10/11/2019 9:05:59 PM
Surr: o-Terphenyl	104	50 - 150	Н	%Rec	1	10/11/2019 9:05:59 PM
Gasoline by NWTPH-Gx				Batch	ı ID:	25995 Analyst: KT
Gasoline	ND	4.94		mg/Kg-dry	1	10/4/2019 10:50:02 AM
Surr: Toluene-d8	105	65 - 135		%Rec	1	10/4/2019 10:50:02 AM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	10/4/2019 10:50:02 AM
Volatile Organic Compounds by EPA	Method	8260D		Batch	ı ID:	25995 Analyst: KT
Benzene	ND	0.0198		mg/Kg-dry	1	10/1/2019 1:00:23 PM
Toluene	ND	0.0198		mg/Kg-dry	1	10/1/2019 1:00:23 PM
Ethylbenzene	ND	0.0247		mg/Kg-dry	1	10/1/2019 1:00:23 PM
m,p-Xylene	ND	0.0494		mg/Kg-dry	1	10/1/2019 1:00:23 PM
o-Xylene	ND	0.0247		mg/Kg-dry	1	10/1/2019 1:00:23 PM
Surr: Dibromofluoromethane	99.6	56.5 - 129		%Rec	1	10/1/2019 1:00:23 PM
Surr: Toluene-d8	101	64.5 - 151		%Rec	1	10/1/2019 1:00:23 PM
Surr: 1-Bromo-4-fluorobenzene	102	54.8 - 168		%Rec	1	10/1/2019 1:00:23 PM
Sample Moisture (Percent Moisture)				Batch	ı ID:	R54300 Analyst: ZR
Percent Moisture	6.49	0.500		wt%	1	10/2/2019 9:47:58 AM

Revision v1



Work Order: 1909462
Date Reported: 10/17/2019

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:10:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-004 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
Diesel and Heavy Oil by NWTPI	H-Dx/Dx Ext.			Batch	n ID:	26115 Analyst: DV	Ν
Diesel (Fuel Oil)	ND	19.4	Н	mg/Kg-dry	1	10/11/2019 9:36:09 F	PM
Heavy Oil	143	48.6	Н	mg/Kg-dry	1	10/11/2019 9:36:09 F	РΜ
Surr: 2-Fluorobiphenyl	87.4	50 - 150	Н	%Rec	1	10/11/2019 9:36:09 F	PM
Surr: o-Terphenyl	89.4	50 - 150	Н	%Rec	1	10/11/2019 9:36:09 F	M
Polyaromatic Hydrocarbons by	EPA Method 8	3270 (SIM)		Batch	n ID:	25987 Analyst: SE	3
Naphthalene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
2-Methylnaphthalene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
1-Methylnaphthalene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Acenaphthylene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Acenaphthene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Fluorene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Phenanthrene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Anthracene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Fluoranthene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Pyrene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Benz(a)anthracene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Chrysene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Benzo(b)fluoranthene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РМ
Benzo(k)fluoranthene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Benzo(a)pyrene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	PM
Indeno(1,2,3-cd)pyrene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Dibenz(a,h)anthracene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РΜ
Benzo(g,h,i)perylene	ND	38.1		μg/Kg-dry	1	9/30/2019 11:41:12 F	РМ
Surr: 2-Fluorobiphenyl	53.2	24.4 - 151		%Rec	1	9/30/2019 11:41:12 F	РΜ
Surr: Terphenyl-d14 (surr)	50.8	31.4 - 162		%Rec	1	9/30/2019 11:41:12 F	M
Gasoline by NWTPH-Gx				Batch	n ID:	25995 Analyst: KT	Γ
Gasoline	ND	5.19		mg/Kg-dry	1	10/4/2019 11:22:36 A	λM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	10/4/2019 11:22:36 A	۱M
Surr: 4-Bromofluorobenzene	98.9	65 - 135		%Rec	1	10/4/2019 11:22:36 A	۱M
Volatile Organic Compounds b	y EPA Method	8260D		Batch	n ID:	25995 Analyst: KT	-
Benzene	ND	0.0208		mg/Kg-dry	1	10/1/2019 1:32:36 PM	М
Toluene	ND	0.0208		mg/Kg-dry	1	10/1/2019 1:32:36 PM	M
Ethylbenzene	ND	0.0260		mg/Kg-dry	1	10/1/2019 1:32:36 PM	M



Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:10:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-004 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA	A Method	8260D		Batch	n ID:	25995 Analyst: KT
m,p-Xylene	ND	0.0519		mg/Kg-dry	1	10/1/2019 1:32:36 PM
o-Xylene	ND	0.0260		mg/Kg-dry	1	10/1/2019 1:32:36 PM
Surr: Dibromofluoromethane	97.3	56.5 - 129		%Rec	1	10/1/2019 1:32:36 PM
Surr: Toluene-d8	101	64.5 - 151		%Rec	1	10/1/2019 1:32:36 PM
Surr: 1-Bromo-4-fluorobenzene	102	54.8 - 168		%Rec	1	10/1/2019 1:32:36 PM
Total Metals by EPA Method 6020B				Batch	n ID:	25997 Analyst: CO
Lead	13.7	0.171		mg/Kg-dry	1	10/1/2019 7:16:19 PM
Sample Moisture (Percent Moisture)				Batch	n ID:	R54300 Analyst: ZR
Percent Moisture	7.04	0.500		wt%	1	10/2/2019 9:47:58 AM



Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:15:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-005 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH	-Dx/Dx Ext.			Batch	n ID:	26115 Analyst: DW
Diesel (Fuel Oil)	ND	18.7	Н	mg/Kg-dry	1	10/11/2019 10:06:22 PN
Heavy Oil	ND	46.9	Н	mg/Kg-dry	1	10/11/2019 10:06:22 PN
Surr: 2-Fluorobiphenyl	88.7	50 - 150	Н	%Rec	1	10/11/2019 10:06:22 PN
Surr: o-Terphenyl	90.6	50 - 150	Н	%Rec	1	10/11/2019 10:06:22 PN
Gasoline by NWTPH-Gx				Batch	n ID:	25995 Analyst: KT
Gasoline	ND	5.43		mg/Kg-dry	1	10/1/2019 2:04:44 PM
Surr: Toluene-d8	99.3	65 - 135		%Rec	1	10/1/2019 2:04:44 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	10/1/2019 2:04:44 PM
Volatile Organic Compounds by	EPA Method	8260D		Batch	n ID:	25995 Analyst: KT
Benzene	ND	0.0217		mg/Kg-dry	1	10/1/2019 2:04:44 PM
Toluene	ND	0.0217		mg/Kg-dry	1	10/1/2019 2:04:44 PM
Ethylbenzene	ND	0.0272		mg/Kg-dry	1	10/1/2019 2:04:44 PM
m,p-Xylene	ND	0.0543		mg/Kg-dry	1	10/1/2019 2:04:44 PM
o-Xylene	ND	0.0272		mg/Kg-dry	1	10/1/2019 2:04:44 PM
Surr: Dibromofluoromethane	98.0	56.5 - 129		%Rec	1	10/1/2019 2:04:44 PM
Surr: Toluene-d8	102	64.5 - 151		%Rec	1	10/1/2019 2:04:44 PM
Surr: 1-Bromo-4-fluorobenzene	99.8	54.8 - 168		%Rec	1	10/1/2019 2:04:44 PM
Sample Moisture (Percent Moist	ure)			Batch	n ID:	R54300 Analyst: ZR
Percent Moisture	3.45	0.500		wt%	1	10/2/2019 9:47:58 AM



Work Order: 1909462
Date Reported: 10/17/2019

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:42:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-007 **Matrix:** Soil

nalyses	Result	RL	Qual	Units	DF	Date Analyzed
derbicides by EPA Method 8151A				Batch	n ID: 26	068 Analyst: SB
Dicamba	ND	32.4		μg/Kg-dry	1	10/9/2019 5:00:20 PN
2,4-D	ND	27.8		μg/Kg-dry	1	10/9/2019 5:00:20 PM
2,4-DP	ND	23.1		μg/Kg-dry	1	10/9/2019 5:00:20 PM
2,4,5-TP (Silvex)	ND	18.5		μg/Kg-dry	1	10/9/2019 5:00:20 PM
2,4,5-T	ND	46.3		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Dinoseb	ND	27.8		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Dalapon	ND	185		μg/Kg-dry	1	10/9/2019 5:00:20 PM
2,4-DB	ND	23.1		μg/Kg-dry	1	10/9/2019 5:00:20 PM
MCPP	ND	4,070		μg/Kg-dry	1	10/9/2019 5:00:20 PM
MCPA	ND	2,590		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Picloram	ND	46.3		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Bentazon	ND	32.4		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Chloramben	ND	18.5		μg/Kg-dry	1	10/9/2019 5:00:20 PM
Acifluorfen	ND	74.0		μg/Kg-dry	1	10/9/2019 5:00:20 PM
3,5-Dichlorobenzoic acid	ND	37.0		μg/Kg-dry	1	10/9/2019 5:00:20 PM
4-Nitrophenol	ND	27.8		μg/Kg-dry	1	10/9/2019 5:00:20 PM
				// /		10/9/2019 5:00:20 PM
Dacthal (DCPA)	ND	27.8		μg/Kg-dry	1	10/9/2019 5:00:20 PN
•	ND 73.4	27.8 15.3 - 163		μg/Kg-ary %Rec	1	10/9/2019 5:00:20 PN 10/9/2019 5:00:20 PN
Dacthal (DCPA)	73.4	15.3 - 163		%Rec		10/9/2019 5:00:20 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by	73.4 EPA Method	15.3 - 163 d 8270-SIM	0	%Rec Batch	1 n ID: 26	10/9/2019 5:00:20 PN 031 Analyst: SB
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP	73.4 EPA Method ND	15.3 - 163 d 8270-SIM 52.7	Q	%Rec Batch µg/Kg-dry	1 n ID: 26 1	10/9/2019 5:00:20 PN 031 Analyst: SB 10/4/2019 2:31:30 PN
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos	73.4 EPA Method ND ND	15.3 - 163 d 8270-SIM 52.7 52.7		%Rec Batch µg/Kg-dry µg/Kg-dry	1 n ID: 26 1 1	10/9/2019 5:00:20 PN 031 Analyst: SB 10/4/2019 2:31:30 PN 10/4/2019 2:31:30 PN
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP	73.4 EPA Method ND ND ND ND	15.3 - 163 d 8270-SIM 52.7 52.7 52.7	Q Q	%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 n ID: 26 1 1 1	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total	73.4 EPA Method ND ND ND ND ND	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7		%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 n ID: 26 1 1 1 1	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos	73.4 EPA Method ND ND ND ND ND ND ND ND	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7		%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.		%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.		%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry μg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.		%Rec Batch µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon Disulfoton	73.4 EPA Method ND	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon Disulfoton Parathion, methyl	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon Disulfoton Parathion, methyl Fenchorphos	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon Disulfoton Parathion, methyl Fenchorphos Malathion	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM 031 Analyst: SB 10/4/2019 2:31:30 PM
Dacthal (DCPA) Surr: 2,4-Dichlorophenylacetic acid Drganophosphorus Pesticides by DDVP Mevinphos TEPP Demeton, Total Ethoprophos Naled Sulfotepp Monocrotophos Phorate Dimethoate Diazinon Disulfoton Parathion, methyl Fenchorphos	73.4 EPA Method ND ND ND ND ND ND ND ND ND N	15.3 - 163 d 8270-SIM 52.7 52.7 52.7 52.7 52.7 52.7 52.7 52.	Q	%Rec Batch µg/Kg-dry µg/Kg-dry	1 ID: 26	10/9/2019 5:00:20 PM



Batch ID: R54300

Work Order: **1909462**Date Reported: **10/17/2019**

Analyst: ZR

Client: Fulcrum Environmental Collection Date: 9/26/2019 11:42:00 AM

Project: Sundance Golf Course PH II

Lab ID: 1909462-007 **Matrix:** Soil

Client Sample ID: SGC-092619-07

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Organophosphorus Pesticide	s by EPA Metho	d 8270-SIM		Batch	n ID: 26	031 Analyst: SB
Trichloronate	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
Merphos	ND	52.7	Q	μg/Kg-dry	1	10/4/2019 2:31:30 PM
Stirophos	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
Prothiofos	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
Fensulfothion	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
Sulprofos	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
EPN	ND	52.7		μg/Kg-dry	1	10/4/2019 2:31:30 PM
Guthion	ND	52.7	Q	μg/Kg-dry	1	10/4/2019 2:31:30 PM
Coumaphos	ND	52.7	Q	μg/Kg-dry	1	10/4/2019 2:31:30 PM
Surr: Triphenylphosphate	73.7	10.7 - 154		%Rec	1	10/4/2019 2:31:30 PM
NOTES:						

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Percent Moisture 6.13 0.500 wt% 1 10/2/2019 9:47:58 AM



Work Order: **1909462**Date Reported: **10/17/2019**

Client: Fulcrum Environmental Collection Date: 9/26/2019 12:01:00 PM

Project: Sundance Golf Course PH II

Lab ID: 1909462-008 **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed		
Herbicides by EPA Method 8151A				Batch	n ID: 26	068 Analyst: SB		
Dicamba	44.8	33.7		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
2,4-D	ND	28.9		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
2,4-DP	ND	24.1		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
2,4,5-TP (Silvex)	ND	19.3		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
2,4,5-T	ND	48.1		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Dinoseb	ND	28.9		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Dalapon	ND	193		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
2,4-DB	ND	24.1		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
MCPP	ND	4,240		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
MCPA	ND	2,700		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Picloram	ND	48.1		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Bentazon	ND	33.7		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Chloramben	ND	19.3		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Acifluorfen	ND	77.0		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
3,5-Dichlorobenzoic acid	ND	38.5		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
4-Nitrophenol	ND	28.9		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Dacthal (DCPA)	ND	28.9		μg/Kg-dry	1	10/9/2019 5:20:50 PM		
Surr: 2,4-Dichlorophenylacetic acid	82.7	15.3 - 163		%Rec	1	10/9/2019 5:20:50 PM		
Organophosphorus Pesticides by	EPA Metho	d 8270-SIM		Batch	n ID: 26	031 Analyst: SB		
DDVP	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Mevinphos	ND ND	48.4	Q	μg/Kg-dry μg/Kg-dry	1	10/4/2019 3:48:01 PM		
TEPP	ND	48.4	Q	μg/Kg-dry μg/Kg-dry	1 1	10/4/2019 3:48:01 PM		
Demeton, Total	ND	48.4	Q			10/4/2019 3:48:01 PM		
•	ND ND	48.4 48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Ethoprophos Naled	ND ND	48.4 48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
	ND ND	48.4 48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Sulfotepp	ND ND	48.4 48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Monocrotophos Phorate			0	μg/Kg-dry	1			
	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Dimethoate	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Diazinon	ND	48.4	0	μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Disulfoton Describion mathyl	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Parathion, methyl	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Fenchorphos	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Malathion	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Dursban	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Fenthion	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		
Parathion	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM		



Batch ID: R54300

Work Order: **1909462**Date Reported: **10/17/2019**

Analyst: ZR

Client: Fulcrum Environmental Collection Date: 9/26/2019 12:01:00 PM

Project: Sundance Golf Course PH II

Lab ID: 1909462-008 **Matrix:** Soil

Client Sample ID: SGC-092619-08

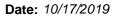
Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Organophosphorus Pesticide	s by EPA Metho	d 8270-SIM		Batch	n ID: 26	6031 Analyst: SB
Trichloronate	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
Merphos	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM
Stirophos	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
Prothiofos	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
Fensulfothion	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
Sulprofos	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
EPN	ND	48.4		μg/Kg-dry	1	10/4/2019 3:48:01 PM
Guthion	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM
Coumaphos	ND	48.4	Q	μg/Kg-dry	1	10/4/2019 3:48:01 PM
Surr: Triphenylphosphate	35.5	10.7 - 154		%Rec	1	10/4/2019 3:48:01 PM
NOTES:						

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Moisture (Percent Moisture)

Percent Moisture 1.55 0.500 wt% 1 10/2/2019 9:47:58 AM

Revision v1



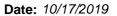


QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

5		- It O DI I II							Total Meta	als by EPA	Method	6020B
Project:		olf Course PH II										
Sample ID: MB	3-25997	SampType: MBLK			Units: mg/Kg		Prep Date	e: 10/1/20)19	RunNo: 543	317	
Client ID: ME	BLKS	Batch ID: 25997					Analysis Date	e: 10/1/2 0	119	SeqNo: 10 7	75936	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		ND	0.155									
Sample ID: LC	S-25997	SampType: LCS			Units: mg/Kg		Prep Date	e: 10/1/2 0	119	RunNo: 54 3	317	
Client ID: LC	ess	Batch ID: 25997					Analysis Date	e: 10/1/20	119	SeqNo: 10 7	75937	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		16.4	0.157	19.69	0	83.1	80	120				
Sample ID: 190	09469-001ADUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	e: 10/1/2 0)19	RunNo: 54 3	317	
Client ID: BA	тсн	Batch ID: 25997					Analysis Date	e: 10/1/2 0	19	SeqNo: 107	75939	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		6.75	0.220						6.106	10.1	20	
Sample ID: 190	09469-001AMS	SampType: MS			Units: mg/Kg-	dry	Prep Date	e: 10/1/2 0)19	RunNo: 54 3	317	
Client ID: BA	тсн	Batch ID: 25997					Analysis Date	e: 10/1/2 0	19	SeqNo: 107	75941	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		28.2	0.222	27.76	6.106	79.6	75	125				
Sample ID: 190	09469-001AMSD	SampType: MSD			Units: mg/Kg-	dry	Prep Date	e: 10/1/2 0	119	RunNo: 54 3	317	
Client ID: BA	тсн	Batch ID: 25997					Analysis Date	e: 10/1/2 0	19	SeqNo: 10 7	75942	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		29.9	0.222	27.76	6.106	85.6	75	125	28.20	5.76	20	

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QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Project: Sundance (Golf Course	PH II					Diesel and Heavy Oil by NWTPH-Dx/Dx E								
Sample ID: MB-26115	SampTyp	e: MBLK			Units: mg/	Kg	Prep Dat	e: 10/11/2	019	RunNo: 545	i38				
Client ID: MBLKS	Batch ID:	26115					Analysis Dat	e: 10/11/2	019	SeqNo: 108	31147				
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Diesel (Fuel Oil)		ND	20.0												
Heavy Oil		ND	50.0												
Surr: 2-Fluorobiphenyl		18.5		20.00		92.5	50	150							
Surr: o-Terphenyl		18.8		20.00		94.2	50	150							
Sample ID: LCS-26115	SampTyp	e: LCS			Units: mg/	Kg	Prep Dat	e: 10/11/2	019	RunNo: 545	38				
Client ID: LCSS	Batch ID:	26115					Analysis Dat	e: 10/11/2	019	SeqNo: 108	31148				
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Diesel (Fuel Oil)		573	20.0	500.0	0	115	65	135							
Surr: 2-Fluorobiphenyl		20.0		20.00		100	50	150							
Surr: o-Terphenyl		18.6		20.00		92.9	50	150							
Sample ID: 1910160-001ADUP	SampTyp	e: DUP			Units: mg/	Kg-dry	Prep Dat	e: 10/11/2	019	RunNo: 545	 338				
Client ID: BATCH	Batch ID:	26115					Analysis Dat	e: 10/12/2	019	SeqNo: 108	31161				
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Diesel (Fuel Oil)		ND	21.1						0		30				
Heavy Oil		ND	52.8						0		30				
Surr: 2-Fluorobiphenyl		20.4		21.12		96.5	50	150		0					
Surr: o-Terphenyl		20.4		21.12		96.7	50	150		0					
Sample ID: 1910160-001AMS	SampTyp	e: MS			Units: mg/	Kg-dry	Prep Dat	e: 10/11/2	019	RunNo: 545	<u> </u>				
Client ID: BATCH	Batch ID:	26115					Analysis Dat	e: 10/12/2	019	SeqNo: 108	31162				
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual			
Diesel (Fuel Oil)		509	20.3	507.6	0	100	65	135							
Surr: 2-Fluorobiphenyl		19.1		20.31		94.3	50	150							
Surr: o-Terphenyl															

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

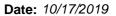
Sample ID: 1910160-001AMS SampType: MS Units: mg/Kg-dry Prep Date: 10/11/2019 RunNo: 54538

Client ID: **BATCH** Batch ID: **26115** Analysis Date: **10/12/2019** SeqNo: **1081162**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: 1910160-001AMSD	SampType	e: MSD			Units: mg/k	(g-dry	Prep Da	te: 10/11/2	019	RunNo: 545	538	
Client ID: BATCH	Batch ID:	26115					Analysis Da	te: 10/12/2	019	SeqNo: 108	31163	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)		494	20.1	503.1	0	98.1	65	135	509.4	3.12	30	
Surr: 2-Fluorobiphenyl		17.8		20.13		88.3	50	150		0		
Surr: o-Terphenyl		16.4		20.13		81.6	50	150		0		
Sample ID: 1910160-009ADUP	SampType	e: DUP			Units: mg/k	g-dry	Prep Da	te: 10/11/2	019	RunNo: 545	538	
Sample ID: 1910160-009ADUP Client ID: BATCH	SampType Batch ID:				Units: mg/k	• •	Prep Date			RunNo: 545 SeqNo: 108		
Client ID: BATCH			RL	SPK value		• •	Analysis Da	te: 10/12/2				Qual
•		26115	RL 21.0	SPK value		,	Analysis Da	te: 10/12/2	2019	SeqNo: 108	31171	Qual
Client ID: BATCH Analyte		26115 Result		SPK value		,	Analysis Da	te: 10/12/2	RPD Ref Val	SeqNo: 108	RPDLimit	Qual
Client ID: BATCH Analyte Diesel (Fuel Oil)		26115 Result	21.0	SPK value		,	Analysis Da	te: 10/12/2	RPD Ref Val	SeqNo: 108	31171 RPDLimit	Qual

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Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: MB-26031	SampType: MBLK			Units: µg/Kg		Prep Da	ate: 10/2/20)19	RunNo: 543		
Client ID: MBLKS	Batch ID: 26031					Analysis Da	ate: 10/4/2 0)19	SeqNo: 107	77771	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	50.0									Q
Mevinphos	ND	50.0									
TEPP	ND	50.0									Q
Demeton, Total	ND	50.0									
Ethoprophos	ND	50.0									
Naled	ND	50.0									
Sulfotepp	ND	50.0									
Monocrotophos	ND	50.0									
Phorate	ND	50.0									Q
Dimethoate	ND	50.0									
Diazinon	ND	50.0									
Disulfoton	ND	50.0									Q
Parathion, methyl	ND	50.0									
Fenchorphos	ND	50.0									
Malathion	ND	50.0									
Dursban	ND	50.0									
Fenthion	ND	50.0									
Parathion	ND	50.0									
Trichloronate	ND	50.0									
Merphos	ND	50.0									Q
Stirophos	ND	50.0									
Prothiofos	ND	50.0									
Fensulfothion	ND	50.0									
Sulprofos	ND	50.0									
EPN	ND	50.0									
Guthion	ND	50.0									Q
Coumaphos	ND	50.0									Q
Surr: Triphenylphosphate NOTES:	23.9		20.00		120	10.7	154				

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: LCS-26031	SampType: LCS			Units: µg/Kg		Prep Da	te: 10/2/20	19	RunNo: 54390			
Client ID: LCSS	Batch ID: 26031					Analysis Da	te: 10/4/20	19	SeqNo: 107	7772		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
DDVP	11.7	50.0	20.00	0	58.6	7.85	133					
Mevinphos	10.1	50.0	20.00	0	50.3	28.7	131					
TEPP	6.14	50.0	20.00	0	30.7	5	119					
Demeton, Total	12.3	50.0	20.00	0	61.6	31.4	149					
Ethoprophos	12.5	50.0	20.00	0	62.7	31.9	144					
Naled	16.6	50.0	20.00	0	83.1	10	147					
Sulfotepp	16.5	50.0	20.00	0	82.3	26.9	144					
Monocrotophos	18.0	50.0	20.00	0	90.0	10	129					
Phorate	11.7	50.0	20.00	0	58.7	40.9	118					
Dimethoate	14.8	50.0	20.00	0	73.9	23.6	127					
Diazinon	9.53	50.0	20.00	0	47.6	37.1	132					
Disulfoton	8.96	50.0	20.00	0	44.8	37.9	122					
Parathion, methyl	11.2	50.0	20.00	0	55.8	16.8	143					
Fenchorphos	11.0	50.0	20.00	0	55.0	36.7	117					
Malathion	16.0	50.0	20.00	0	80.2	26.9	131					
Dursban	10.7	50.0	20.00	0	53.4	40.8	124					
Fenthion	11.2	50.0	20.00	0	55.8	36.6	127					
Parathion	14.5	50.0	20.00	0	72.4	37.6	129					
Trichloronate	10.5	50.0	20.00	0	52.4	41.5	123					
Merphos	3.57	50.0	20.00	0	17.8	10	122					
Stirophos	10.8	50.0	20.00	0	54.0	20.6	126					
Prothiofos	12.6	50.0	20.00	0	63.1	37.1	135					
Fensulfothion	12.5	50.0	20.00	0	62.4	14.6	152					
Sulprofos	12.8	50.0	20.00	0	63.8	34.6	137					
EPN	18.4	50.0	20.00	0	92.0	26.7	150					
Guthion	13.7	50.0	20.00	0	68.5	5	151					
Coumaphos	10.1	50.0	20.00	0	50.5	10	152					
Surr: Triphenylphosphate	19.8		20.00		98.8	10.7	154					

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 1909462-007ADUP	SampType: DUP			Units: μg/Κο	g-dry	Prep Da	ite: 10/2/20	19	RunNo: 543	390	
Client ID: SGC-092619-07	Batch ID: 26031					Analysis Da	ite: 10/4/20	119	SeqNo: 107	77774	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	ND	48.1						0		30	Q
Mevinphos	ND	48.1						0		30	
TEPP	ND	48.1						0		30	Q
Demeton, Total	ND	48.1						0		30	
Ethoprophos	ND	48.1						0		30	
Naled	ND	48.1						0		30	
Sulfotepp	ND	48.1						0		30	
Monocrotophos	ND	48.1						0		30	
Phorate	ND	48.1						0		30	Q
Dimethoate	ND	48.1						0		30	
Diazinon	ND	48.1						0		30	
Disulfoton	ND	48.1						0		30	Q
Parathion, methyl	ND	48.1						0		30	
Fenchorphos	ND	48.1						0		30	
Malathion	ND	48.1						0		30	
Dursban	ND	48.1						0		30	
Fenthion	ND	48.1						0		30	
Parathion	ND	48.1						0		30	
Trichloronate	ND	48.1						0		30	
Merphos	ND	48.1						0		30	Q
Stirophos	ND	48.1						0		30	
Prothiofos	ND	48.1						0		30	
Fensulfothion	ND	48.1						0		30	
Sulprofos	ND	48.1						0		30	
EPN	ND	48.1						0		30	
Guthion	ND	48.1						0		30	Q
Coumaphos	ND	48.1						0		30	Q
Surr: Triphenylphosphate	17.8		19.23		92.4	10.7	154		0		

NOTES:

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Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria



Work Order: 1909462

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Organophosphorus Pesticides by EPA Method 8270-SIM

Project:	Sundance Go	If Course	PH II		
Sample ID:	1909462-007AMS	SampType	MS	Units:	μg/Kg-dry
011 110	000 000040 07	Darrie ID	00004		

Sample ID: 1909462-007AMS	SampType: MS			Units: µg/K	g-dry	Prep Da	te: 10/2/20	19	RunNo: 543	390	
Client ID: SGC-092619-07	Batch ID: 26031					Analysis Da	te: 10/4/20	19	SeqNo: 107	77775	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	7.10	50.5	20.20	0	35.1	5	138				
Mevinphos	8.67	50.5	20.20	0	42.9	5	148				
TEPP	2.71	50.5	20.20	0	13.4	5	121				
Demeton, Total	8.14	50.5	20.20	0	40.3	24.3	141				
Ethoprophos	11.9	50.5	20.20	0	58.7	13.2	145				
Naled	21.3	50.5	20.20	0	106	5	121				
Sulfotepp	11.4	50.5	20.20	0	56.6	26.8	120				
Monocrotophos	5.34	50.5	20.20	0	26.4	5	196				
Phorate	10.4	50.5	20.20	0	51.6	29.4	122				
Dimethoate	7.16	50.5	20.20	0	35.5	5	161				
Diazinon	7.89	50.5	20.20	0	39.0	9.74	142				
Disulfoton	6.85	50.5	20.20	0	33.9	23.9	137				
Parathion, methyl	8.32	50.5	20.20	0	41.2	5.64	177				
Fenchorphos	8.87	50.5	20.20	0	43.9	25.3	131				
Malathion	7.69	50.5	20.20	0	38.1	23.5	121				
Dursban	8.28	50.5	20.20	0	41.0	28.2	128				
Fenthion	8.43	50.5	20.20	0	41.7	24.2	136				
Parathion	8.94	50.5	20.20	0	44.3	5	173				
Trichloronate	8.33	50.5	20.20	0	41.2	28.5	122				
Merphos	2.51	50.5	20.20	0	12.4	5	90.1				
Stirophos	8.60	50.5	20.20	0	42.6	9.46	152				
Prothiofos	11.3	50.5	20.20	0	56.2	23.7	157				
Fensulfothion	9.09	50.5	20.20	0	45.0	5	174				
Sulprofos	11.6	50.5	20.20	0	57.5	12	173				
EPN	12.2	50.5	20.20	0	60.8	13.8	157				
Guthion	11.6	50.5	20.20	0	57.5	5	177				
Coumaphos	9.50	50.5	20.20	0	47.0	5	232				
Surr: Triphenylphosphate	10.5		20.20		52.2	10.7	154				

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

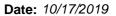
Organophosphorus Pesticides by EPA Method 8270-SIM

Sample ID: 1909462-007AMSD	SampType: MSD			Units: µg/K	g-dry	Prep Da	te: 10/2/20	19	RunNo: 543	390	
Client ID: SGC-092619-07	Batch ID: 26031					Analysis Da	te: 10/4/2 0	19	SeqNo: 107	77776	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
DDVP	11.6	49.3	19.71	0	58.9	5	138	0		30	
Mevinphos	16.3	49.3	19.71	0	82.7	5	148	0		30	
TEPP	8.95	49.3	19.71	0	45.4	5	121	0		30	
Demeton, Total	23.9	49.3	19.71	0	121	24.3	141	0		30	
Ethoprophos	16.6	49.3	19.71	0	84.4	13.2	145	0		30	
Naled	33.0	49.3	19.71	0	168	5	121	0		30	S
Sulfotepp	17.0	49.3	19.71	0	86.5	26.8	120	0		30	
Monocrotophos	14.0	49.3	19.71	0	70.9	5	196	0		30	
Phorate	15.1	49.3	19.71	0	76.8	29.4	122	0		30	
Dimethoate	20.5	49.3	19.71	0	104	5	161	0		30	
Diazinon	19.6	49.3	19.71	0	99.4	9.74	142	0		30	
Disulfoton	19.1	49.3	19.71	0	97.0	23.9	137	0		30	
Parathion, methyl	13.1	49.3	19.71	0	66.7	5.64	177	0		30	
Fenchorphos	13.5	49.3	19.71	0	68.5	25.3	131	0		30	
Malathion	11.7	49.3	19.71	0	59.4	23.5	121	0		30	
Dursban	11.9	49.3	19.71	0	60.1	28.2	128	0		30	
Fenthion	13.2	49.3	19.71	0	67.1	24.2	136	0		30	
Parathion	14.0	49.3	19.71	0	71.0	5	173	0		30	
Trichloronate	10.0	49.3	19.71	0	50.7	28.5	122	0		30	
Merphos	0.00	49.3	19.71	0	0	5	90.1	0		30	S
Stirophos	13.0	49.3	19.71	0	65.9	9.46	152	0		30	
Prothiofos	14.1	49.3	19.71	0	71.8	23.7	157	0		30	
Fensulfothion	18.3	49.3	19.71	0	93.1	5	174	0		30	
Sulprofos	16.7	49.3	19.71	0	84.7	12	173	0		30	
EPN	18.8	49.3	19.71	0	95.3	13.8	157	0		30	
Guthion	17.0	49.3	19.71	0	86.2	5	177	0		30	
Coumaphos	18.9	49.3	19.71	0	95.7	5	232	0		30	
Surr: Triphenylphosphate	11.6		19.71		58.8	10.7	154		0		

NOTES:

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S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.





Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

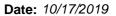
Sundance Golf Course PH II

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-25987	SampType: MBLK			Units: µg/Kg		Prep Da	te: 9/30/2	019	RunNo: 542	272	
Client ID: MBLKS	Batch ID: 25987					Analysis Da	te: 9/30/2	019	SeqNo: 107	74954	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	40.0									
2-Methylnaphthalene	ND	40.0									
1-Methylnaphthalene	ND	40.0									
Acenaphthylene	ND	40.0									
Acenaphthene	ND	40.0									
Fluorene	ND	40.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Benz(a)anthracene	ND	40.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	40.0									
Benzo(k)fluoranthene	ND	40.0									
Benzo(a)pyrene	ND	40.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	40.0									
Surr: 2-Fluorobiphenyl	429		500.0		85.8	24.4	151				
Surr: Terphenyl-d14 (surr)	434		500.0		86.7	31.4	162				

Sample ID: LCS-25987	SampType: LCS			Units: µg/Kg		Prep Da	te: 9/30/20	19	RunNo: 542	272	
Client ID: LCSS	Batch ID: 25987					Analysis Da	te: 9/30/20	19	SeqNo: 107	4955	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	957	40.0	1,000	0	95.7	63.6	135				
2-Methylnaphthalene	987	40.0	1,000	0	98.7	61.5	140				
1-Methylnaphthalene	977	40.0	1,000	0	97.7	59.6	140				
Acenaphthylene	915	40.0	1,000	0	91.5	61.2	141				
Acenaphthene	963	40.0	1,000	0	96.3	62.3	134				

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QC SUMMARY REPORT

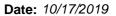
CLIENT: Fulcrum Environmental

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Project: Sundance	Golf Course PH II				Po	olyaromati	c Hyaro	carbons b	y EPA Me	tnoa 827	n (2114
Sample ID: LCS-25987	SampType: LCS			Units: µg/Kg		Prep Date	9/30/201	9	RunNo: 542	272	
Client ID: LCSS	Batch ID: 25987					Analysis Date	9/30/201	9	SeqNo: 10 7	74955	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	979	40.0	1,000	0	97.9	64.1	134				
Phenanthrene	993	40.0	1,000	0	99.3	63.2	132				
Anthracene	923	40.0	1,000	0	92.3	61.5	136				
Fluoranthene	984	40.0	1,000	0	98.4	63.1	140				
Pyrene	979	40.0	1,000	0	97.9	63.4	140				
Benz(a)anthracene	949	40.0	1,000	0	94.9	62.7	148				
Chrysene	938	40.0	1,000	0	93.8	60.5	142				
Benzo(b)fluoranthene	1,050	40.0	1,000	0	105	55.8	158				
Benzo(k)fluoranthene	957	40.0	1,000	0	95.7	64	136				
Benzo(a)pyrene	947	40.0	1,000	0	94.7	61.9	151				
Indeno(1,2,3-cd)pyrene	977	40.0	1,000	0	97.7	48.3	147				
Dibenz(a,h)anthracene	964	40.0	1,000	0	96.4	47.9	150				
Benzo(g,h,i)perylene	941	40.0	1,000	0	94.1	44.4	144				
Surr: 2-Fluorobiphenyl	379		500.0		75.9	24.4	151				
Surr: Terphenyl-d14 (surr)	367		500.0		73.5	31.4	162				
Sample ID: 1909450-001ADUP	SampType: DUP			Units: µg/Kg-d	ry	Prep Date	: 9/30/201	9	RunNo: 54 2	272	
Client ID: BATCH	Batch ID: 25987					Analysis Date	: 9/30/201	9	SeqNo: 107	74957	

Sample ID: 1909450-001ADUP	SampType: DUP			Units: µg/Kg-c	lry	Prep Da	e: 9/30/2 0	19	RunNo: 542	272	
Client ID: BATCH	Batch ID: 25987					Analysis Da	e: 9/30/2 0	119	SeqNo: 107	4957	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	39.5						0		30	
2-Methylnaphthalene	ND	39.5						0		30	
1-Methylnaphthalene	ND	39.5						0		30	
Acenaphthylene	ND	39.5						0		30	
Acenaphthene	ND	39.5						0		30	
Fluorene	ND	39.5						0		30	
Phenanthrene	ND	39.5						0		30	
Anthracene	ND	39.5						0		30	
Fluoranthene	ND	39.5						0		30	
Pyrene	ND	39.5						0		30	

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Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

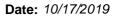
Sundance Golf Course PH II

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1909450-001ADUP	SampType: DUP			Units: µg/Kg	g-dry	Prep Da	te: 9/30/2 0	19	RunNo: 542	272	
Client ID: BATCH	Batch ID: 25987					Analysis Da	te: 9/30/20	19	SeqNo: 107	4957	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	ND	39.5						0		30	
Chrysene	ND	39.5						0		30	
Benzo(b)fluoranthene	ND	39.5						0		30	
Benzo(k)fluoranthene	ND	39.5						0		30	
Benzo(a)pyrene	ND	39.5						0		30	
Indeno(1,2,3-cd)pyrene	ND	39.5						0		30	
Dibenz(a,h)anthracene	ND	39.5						0		30	
Benzo(g,h,i)perylene	ND	39.5						0		30	
Surr: 2-Fluorobiphenyl	307		493.4		62.2	24.4	151		0		
Surr: Terphenyl-d14 (surr)	304		493.4		61.6	31.4	162		0		

Sample ID: 1909450-002AMS	SampType: MS			Units: µg/Kg	g-dry	Prep Dat	e: 9/30/20	19	RunNo: 542	72	
Client ID: BATCH	Batch ID: 25987					Analysis Dat	e: 9/30/20	19	SeqNo: 107	4959	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	967	41.6	1,041	0	92.9	37	127				
2-Methylnaphthalene	1,000	41.6	1,041	0	96.2	38.9	128				
1-Methylnaphthalene	987	41.6	1,041	0	94.9	36.2	129				
Acenaphthylene	947	41.6	1,041	0	91.0	39	132				
Acenaphthene	980	41.6	1,041	0	94.2	39.5	124				
Fluorene	1,020	41.6	1,041	0	97.6	38.3	128				
Phenanthrene	1,010	41.6	1,041	0	96.7	29.2	132				
Anthracene	990	41.6	1,041	0	95.1	38.8	128				
Fluoranthene	1,050	41.6	1,041	0	101	38.4	135				
Pyrene	1,030	41.6	1,041	0	98.9	37.8	134				
Benz(a)anthracene	1,000	41.6	1,041	0	96.2	39.2	143				
Chrysene	937	41.6	1,041	0	90.1	35.9	131				
Benzo(b)fluoranthene	1,070	41.6	1,041	0	103	36.3	148				
Benzo(k)fluoranthene	1,010	41.6	1,041	0	97.1	31.2	133				
Benzo(a)pyrene	1,090	41.6	1,041	0	104	35.9	144				

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Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1909450-002AMS	SampType: MS	Units: µg/Kg-dry			Prep Date: 9/30/2019			RunNo: 542			
Client ID: BATCH	Batch ID: 25987					Analysis Da	te: 9/30/2 0	119	SeqNo: 107	74959	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,000	41.6	1,041	0	96.5	25.3	131				
Dibenz(a,h)anthracene	994	41.6	1,041	0	95.5	27.4	132				
Benzo(g,h,i)perylene	955	41.6	1,041	0	91.8	20.1	128				
Surr: 2-Fluorobiphenyl	369		520.3		70.8	24.4	151				
Surr: Terphenyl-d14 (surr)	363		520.3		69.8	31.4	162				

Sample ID: 1909450-002AMSD	SampType: MSD			Units: µg/Kg	g-dry	Prep Da	te: 9/30/20	19	RunNo: 542	272	
Client ID: BATCH	Batch ID: 25987					Analysis Da	te: 9/30/20	19	SeqNo: 107	74960	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	930	41.0	1,026	0	90.7	37	127	966.6	3.82	30	
2-Methylnaphthalene	963	41.0	1,026	0	93.9	38.9	128	1,001	3.87	30	
1-Methylnaphthalene	952	41.0	1,026	0	92.8	36.2	129	987.3	3.61	30	
Acenaphthylene	914	41.0	1,026	0	89.1	39	132	946.6	3.48	30	
Acenaphthene	940	41.0	1,026	0	91.6	39.5	124	980.5	4.25	30	
Fluorene	980	41.0	1,026	0	95.5	38.3	128	1,015	3.58	30	
Phenanthrene	981	41.0	1,026	0	95.6	29.2	132	1,006	2.55	30	
Anthracene	968	41.0	1,026	0	94.3	38.8	128	990.0	2.27	30	
Fluoranthene	1,020	41.0	1,026	0	99.4	38.4	135	1,049	2.81	30	
Pyrene	1,000	41.0	1,026	0	97.6	37.8	134	1,029	2.69	30	
Benz(a)anthracene	954	41.0	1,026	0	93.0	39.2	143	1,001	4.83	30	
Chrysene	936	41.0	1,026	0	91.2	35.9	131	937.3	0.190	30	
Benzo(b)fluoranthene	1,020	41.0	1,026	0	99.7	36.3	148	1,069	4.41	30	
Benzo(k)fluoranthene	1,020	41.0	1,026	0	99.1	31.2	133	1,010	0.689	30	
Benzo(a)pyrene	1,070	41.0	1,026	0	104	35.9	144	1,087	1.46	30	
Indeno(1,2,3-cd)pyrene	979	41.0	1,026	0	95.4	25.3	131	1,005	2.63	30	
Dibenz(a,h)anthracene	961	41.0	1,026	0	93.6	27.4	132	994.2	3.41	30	
Benzo(g,h,i)perylene	929	41.0	1,026	0	90.6	20.1	128	955.1	2.73	30	
Surr: 2-Fluorobiphenyl	353		513.1		68.8	24.4	151		0		
Surr: Terphenyl-d14 (surr)	347		513.1		67.6	31.4	162		0		

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

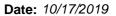
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 1909450-002AMSD SampType: MSD Units: μg/Kg-dry Prep Date: 9/30/2019 RunNo: 54272

Client ID: **BATCH** Batch ID: **25987** Analysis Date: **9/30/2019** SeqNo: **1074960**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

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QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Gasoline by NWTPH-Gx

Project: Sundance 0	Golf Course PH II								Gasoline	by NWT	PH-G
Sample ID: LCS-25995	SampType: LCS			Units: mg/Kg		Prep Date	e: 10/1/20	19	RunNo: 542	96	
Client ID: LCSS	Batch ID: 25995					Analysis Date	e: 10/1/20	19	SeqNo: 107	'5434	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.0	5.00	25.00	0	104	65	135				
Surr: Toluene-d8	1.24		1.250		99.4	65	135				
Surr: 4-Bromofluorobenzene	1.22		1.250		97.9	65	135				
Sample ID: MB-25995	SampType: MBLK			Units: mg/Kg		Prep Date	e: 10/1/20	19	RunNo: 542	!96	
Client ID: MBLKS	Batch ID: 25995					Analysis Date	e: 10/1/20	19	SeqNo: 107	'5435	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.28		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.22		1.250		97.3	65	135				
Sample ID: 1909462-001BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	e: 10/1/20	19	RunNo: 542	.96	
Client ID: SGC-092619-01	Batch ID: 25995					Analysis Date	e: 10/1/20	19	SeqNo: 107	5414	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.64						0		30	
Surr: Toluene-d8	1.64		1.659		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.67		1.659		101	65	135		0		
Sample ID: 1909471-007BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	e: 10/1/20	19	RunNo: 542	!96	
Client ID: BATCH	Batch ID: 25995					Analysis Dat	e: 10/1/20	19	SeqNo: 107	75428	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.91						0		30	
Surr: Toluene-d8	1.21		1.227		98.2	65	135		0		
Surr: 4-Bromofluorobenzene	1.24		1.227		101	65	135		0		

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Work Order: 1909462

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Gasoline by NWTPH-Gx

Sample ID: 1909462-002BMS	SampType: MS			Units: mg/k	(g-dry	Prep Da	te: 10/1/20	19	RunNo: 542	96	
Client ID: SGC-092619-02	Batch ID: 25995					Analysis Da	te: 10/1/20	119	SeqNo: 107	'5416	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	82.9	6.74	33.72	36.09	139	65	135				S
Surr: Toluene-d8	1.65		1.686		97.9	65	135				
Surr: 4-Bromofluorobenzene	1.71		1.686		102	65	135				

NOTES:

Project:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

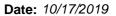
Sample ID: 1909462-002BMSD	SampType: MSD				Units: mg/Kg-dry Prep Date: 10/1/2			019 RunNo: 54296			
Client ID: SGC-092619-02	Batch ID: 25995					Analysis Da	te: 10/1/20	19	SeqNo: 107	5417	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	122	6.74	33.72	36.09	254	65	135	82.90	37.9	30	RS
Surr: Toluene-d8	1.66		1.686		98.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.80		1.686		107	65	135		0		

NOTES:

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S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

R - High RPD indicates matrix interference. The method is in control as indicated by the Laboratory Control Sample (LCS).





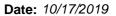
QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-25995	SampType	: LCS			Units: mg/Kg		Prep Date	: 10/1/20	119	RunNo: 542	95	
Client ID: LCSS	Batch ID:				gg		Analysis Date			SeqNo: 107		
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	-		RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		1.04	0.0200	1.000	0	104	64.3	133		-		
Toluene		1.01	0.0200	1.000	0	101	67	144				
Ethylbenzene		0.977	0.0250	1.000	0	97.7	74	129				
m,p-Xylene		1.95	0.0500	2.000	0	97.4	70	124				
o-Xylene		0.967	0.0250	1.000	0	96.7	68.1	139				
Surr: Dibromofluoromethane		1.44		1.250		115	56.5	129				
Surr: Toluene-d8		1.30		1.250		104	64.5	151				
Surr: 1-Bromo-4-fluorobenzene		1.32		1.250		105	54.8	168				
Sample ID: MB-25995	SampType	: MBLK			Units: mg/Kg		Prep Date	e: 10/1/20)19	RunNo: 542	.95	
Client ID: MBLKS	Batch ID:	25995					Analysis Date	e: 10/1/2 0	19	SeqNo: 107	'5410	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.0200									
Toluene		ND	0.0200									
Ethylbenzene		ND	0.0250									
m,p-Xylene		ND	0.0500									
o-Xylene		ND	0.0250									
Surr: Dibromofluoromethane		1.28		1.250		103	56.5	129				
Surr: Toluene-d8		1.28		1.250		102	64.5	151				
Surr: 1-Bromo-4-fluorobenzene		1.21		1.250		96.9	54.8	168				
Sample ID: 1909462-001BDUP	SampType	: DUP			Units: mg/Kg-	dry	Prep Date	e: 10/1/2 0)19	RunNo: 542	!95	
Client ID: SGC-092619-01	Batch ID:	25995					Analysis Date	e: 10/1/2 0	119	SeqNo: 107	75389	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.0265						0		30	
Toluene		ND	0.0265						0		30	
Ethylbenzene		ND	0.0332						0		30	
m,p-Xylene		ND	0.0664						0		30	

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QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Volatile Organic Compounds by EPA Method 8260D

Project: Sundance G	ioit Course F	'H II					TOTALITO	J. gaiile	Compoun			32001
Sample ID: 1909462-001BDUP	SampType:	DUP			Units: mg/	Kg-dry	Prep Da	te: 10/1/20	19	RunNo: 542	295	
Client ID: SGC-092619-01	Batch ID:	25995					Analysis Da	te: 10/1/20	19	SeqNo: 107	75389	
Analyte	R	esult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene		ND	0.0332						0		30	
Surr: Dibromofluoromethane		1.68		1.659		101	56.5	129		0		
Surr: Toluene-d8		1.69		1.659		102	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene		1.67		1.659		100	54.8	168		0		
Sample ID: 1909471-007BDUP	SampType:	DUP			Units: mg/	Kg-dry	Prep Da	te: 10/1/20	19	RunNo: 542	295	
Client ID: BATCH	Batch ID:	25995					Analysis Da	te: 10/1/20	19	SeqNo: 107	75401	
Analyte	R	esult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		ND	0.0196						0		30	
Toluene		ND	0.0196						0		30	
Ethylbenzene		ND	0.0245						0		30	
m,p-Xylene		ND	0.0491						0		30	
o-Xylene		ND	0.0245						0		30	
Surr: Dibromofluoromethane		1.15		1.227		93.5	56.5	129		0		
Surr: Toluene-d8		1.24		1.227		101	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene		1.23		1.227		100	54.8	168		0		
Sample ID: 1909471-008BMS	SampType:	MS			Units: mg/	Kg-dry	Prep Da	te: 10/1/20	19	RunNo: 542	295	
Client ID: BATCH	Batch ID:	25995					Analysis Da	te: 10/1/20	19	SeqNo: 107	75403	
Analyte	R	esult	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene		1.24	0.0210	1.052	0	117	63.5	133				
Toluene		1.22	0.0210	1.052	0	116	63.4	132				
Ethylbenzene		1.17	0.0263	1.052	0	112	54.5	134				
m,p-Xylene		2.32	0.0526	2.104	0	110	53.1	132				
o-Xylene		1.13	0.0263	1.052	0	107	53.3	139				
Surr: Dibromofluoromethane		1.45		1.315		110	56.5	129				
Surr: Toluene-d8		1.38		1.315		105	64.5	151				
Surr: 1-Bromo-4-fluorobenzene		1.33		1.315		101	54.8	168				

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Volatile Organic Compounds by EPA Method 8260D

Client ID: **BATCH** Batch ID: **25995** Analysis Date: **10/1/2019** SeqNo: **1075403**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: 1909471-008BMSD	SampType: MSD			Units: mg/K	g-dry	Prep Da	te: 10/1/20	19	RunNo: 542	95	
Client ID: BATCH	Batch ID: 25995					Analysis Da	te: 10/1/20	19	SeqNo: 107	5404	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.19	0.0210	1.052	0	113	63.5	133	1.235	3.47	30	
Toluene	1.17	0.0210	1.052	0	111	63.4	132	1.222	4.26	30	
Ethylbenzene	1.13	0.0263	1.052	0	108	54.5	134	1.174	3.38	30	
m,p-Xylene	2.25	0.0526	2.104	0	107	53.1	132	2.321	2.91	30	
o-Xylene	1.11	0.0263	1.052	0	106	53.3	139	1.125	1.03	30	
Surr: Dibromofluoromethane	1.45		1.315		110	56.5	129		0		
Surr: Toluene-d8	1.37		1.315		104	64.5	151		0		
Surr: 1-Bromo-4-fluorobenzene	1.34		1.315		102	54.8	168		0		

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Work Order: 1909462

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II

Sample Moisture (Percent Moisture)

Sample ID: 1909369-020ADUP SampType: DUP Units: wt% Prep Date: 10/2/2019 RunNo: 54300

Client ID: **BATCH** Batch ID: **R54300** Analysis Date: **10/2/2019** SeqNo: **1075540**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 10.6 0.500 11.20 5.55 20

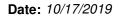
 Sample ID: 1909466-013ADUP
 SampType: DUP
 Units: wt%
 Prep Date: 10/2/2019
 RunNo: 54300

 Client ID: BATCH
 Batch ID: R54300
 Analysis Date: 10/2/2019
 SeqNo: 1075560

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Percent Moisture 11.7 0.500 11.79 1.16 20

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CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II

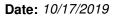
QC SUMMARY REPORT

Herbicides by EPA Method 8151A

Sample ID: MB-26068	SampType: MBLK			Units: μg/Kg				RunNo: 544	75	
Client ID: MBLKS	Batch ID: 26068					Analysis Date:	10/9/2019	SeqNo: 107	9798	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit Hig	hLimit RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	ND	35.0								
2,4-D	ND	30.0								
2,4-DP	ND	25.0								
2,4,5-TP (Silvex)	ND	20.0								
2,4,5-T	ND	50.0								
Dinoseb	ND	30.0								
Dalapon	ND	200								
2,4-DB	ND	25.0								
MCPP	ND	4,400								
MCPA	ND	2,800								
Picloram	ND	50.0								
Bentazon	ND	35.0								
Chloramben	ND	20.0								
Acifluorfen	ND	80.0								
3,5-Dichlorobenzoic acid	ND	40.0								
4-Nitrophenol	ND	30.0								
Dacthal (DCPA)	ND	30.0								
Surr: 2,4-Dichlorophenylacetic acid	1,250		1,000		125	15.3	163			

Sample ID: LCS-26068	SampType: LCS			Units: μg/Kg		Prep Date: 10/7/2019				RunNo: 54475		
Client ID: LCSS	Batch ID: 26068					Analysis Da	te: 10/9/20	19	SeqNo: 107	9799		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Dicamba	208	35.0	200.0	0	104	21.2	167					
2,4-D	223	30.0	200.0	0	111	32	176					
2,4-DP	207	25.0	200.0	0	104	25.8	171					
2,4,5-TP (Silvex)	208	20.0	200.0	0	104	23.6	164					
2,4,5-T	205	50.0	200.0	0	102	25	166					
Dinoseb	132	30.0	200.0	0	66.0	5	168					
Dalapon	1,190	200	1,000	0	119	29.2	195					

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CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II

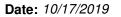
QC SUMMARY REPORT

Herbicides by EPA Method 8151A

Sample ID: LCS-26068	SampType: LCS Units: µg/Kg Prep Date: 10/7/2019			19	RunNo: 544	75					
Client ID: LCSS	Batch ID: 26068					Analysis Da	te: 10/9/20	19	SeqNo: 107	9799	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-DB	207	25.0	200.0	0	103	8.11	184				
MCPP	1050	4,400	1,000	0	105	17.3	191				
MCPA	1060	2,800	1,000	0	106	13.6	192				
Picloram	223	50.0	200.0	0	112	5	175				
Bentazon	210	35.0	200.0	0	105	21.5	170				
Chloramben	113	20.0	200.0	0	56.4	5	114				
Acifluorfen	156	80.0	200.0	0	77.9	5	168				
3,5-Dichlorobenzoic acid	215	40.0	200.0	0	108	26.2	174				
4-Nitrophenol	208	30.0	200.0	0	104	5.02	160				
Dacthal (DCPA)	214	30.0	200.0	0	107	18	168				
Surr: 2,4-Dichlorophenylacetic acid	1,070		1,000		107	15.3	163				

Sample ID: 1909462-008ADUP	SampType: DUP			Units: µg/Kg-dry	y	Prep Date: 10	0/7/2019	RunNo: 544	75	
Client ID: SGC-092619-08	Batch ID: 26068					Analysis Date: 10	0/9/2019	SeqNo: 107	9802	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit Highl	Limit RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	44.5	34.1					44.84	0.813	30	
2,4-D	ND	29.2					17.02	16.4	30	
2,4-DP	ND	24.4					0	0	30	
2,4,5-TP (Silvex)	ND	19.5					0	0	30	
2,4,5-T	ND	48.7					0	0	30	
Dinoseb	ND	29.2					0	0	30	
Dalapon	ND	195					0	0	30	
2,4-DB	ND	24.4					0	0	30	
MCPP	ND	4,290					0	0	30	
MCPA	ND	2,730					0	0	30	
Picloram	ND	48.7					0	0	30	
Bentazon	ND	34.1					0	0	30	
Chloramben	ND	19.5					0	0	30	
Acifluorfen	ND	78.0					0	0	30	

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CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II

QC SUMMARY REPORT

Herbicides by EPA Method 8151A

Sample ID: 1909462-008ADUP	SampType: DUP			Units: μg/I	Kg-dry	Prep Dat	te: 10/7/20	19	RunNo: 544	175	
Client ID: SGC-092619-08	Batch ID: 26068					Analysis Dat	te: 10/9/20	19	SeqNo: 107	9802	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,5-Dichlorobenzoic acid	ND	39.0						0	0	30	
4-Nitrophenol	ND	29.2						0	0	30	
Dacthal (DCPA)	ND	29.2						0	0	30	
Surr: 2,4-Dichlorophenylacetic acid	639		974.8		65.6	15.3	163		0		

Sample ID: 1909462-008AMS	SampType: MS			Units: μg/K	g-dry	Prep Da	te: 10/7/20	119	RunNo: 54 4	175	
Client ID: SGC-092619-08	Batch ID: 26068					Analysis Da	te: 10/9/20	119	SeqNo: 107	9803	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	172	31.7	181.2	44.84	70.4	5	136				
2,4-D	155	27.2	181.2	17.02	76.1	5	151				
2,4-DP	138	22.7	181.2	0	76.3	5	149				
2,4,5-TP (Silvex)	140	18.1	181.2	0	77.5	5.43	140				
2,4,5-T	132	45.3	181.2	0	72.9	6.68	133				
Dinoseb	148	27.2	181.2	0	81.5	5	141				
Dalapon	792	181	906.1	0	87.4	5	179				
2,4-DB	121	22.7	181.2	0	66.7	5.57	160				
MCPP	793	3,990	906.1	0	87.6	5	174				
MCPA	788	2,540	906.1	0	87.0	5	154				
Picloram	113	45.3	181.2	0	62.1	5	139				
Bentazon	154	31.7	181.2	0	85.0	5.31	146				
Chloramben	127	18.1	181.2	0	70.0	5	134				
Acifluorfen	201	72.5	181.2	0	111	5	168				
3,5-Dichlorobenzoic acid	154	36.2	181.2	0	85.1	6.99	144				
4-Nitrophenol	128	27.2	181.2	0	70.7	10.2	139				
Dacthal (DCPA)	82.2	27.2	181.2	0	45.4	5	156				
Surr: 2,4-Dichlorophenylacetic ac	id 693		906.1		76.5	15.3	163				

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Work Order: 1909462

CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II

QC SUMMARY REPORT

Herbicides by EPA Method 8151A

Sample ID: 1909462-008AMSD	SampType: MSD			Units: µg/k	(g-dry	Prep Dat	e: 10/7/20	19	RunNo: 54 4	175	
Client ID: SGC-092619-08	Batch ID: 26068					Analysis Dat	e: 10/9/20	19	SeqNo: 107	79804	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dicamba	227	33.0	188.8	44.84	96.5	5	136	172.5	27.3	30	
2,4-D	198	28.3	188.8	17.02	96.1	5	151	154.9	24.6	30	
2,4-DP	179	23.6	188.8	0	94.6	5	149	138.2	25.5	30	
2,4,5-TP (Silvex)	181	18.9	188.8	0	96.0	5.43	140	140.4	25.4	30	
2,4,5-T	171	47.2	188.8	0	90.5	6.68	133	132.1	25.6	30	
Dinoseb	195	28.3	188.8	0	103	5	141	147.7	27.7	30	
Dalapon	1,000	189	944.0	0	106	5	179	792.4	23.3	30	R
2,4-DB	165	23.6	188.8	0	87.1	5.57	160	121.0	30.5	30	R
MCPP	1070	4,150	944.0	0	114	5	174	793.5	29.9	30	
MCPA	1080	2,640	944.0	0	114	5	154	788.2	31.0	30	
Picloram	128	47.2	188.8	0	67.6	5	139	112.5	12.5	30	
Bentazon	193	33.0	188.8	0	102	5.31	146	154.0	22.5	30	R
Chloramben	152	18.9	188.8	0	80.7	5	134	126.8	18.3	30	
Acifluorfen	269	75.5	188.8	0	142	5	168	201.3	28.8	30	
3,5-Dichlorobenzoic acid	183	37.8	188.8	0	96.9	6.99	144	154.2	17.0	30	
4-Nitrophenol	165	28.3	188.8	0	87.5	10.2	139	128.2	25.2	30	R
Dacthal (DCPA)	76.2	28.3	188.8	0	40.4	5	156	82.19	7.50	30	
Surr: 2,4-Dichlorophenylacetic acid	d 832		944.0		88.2	15.3	163		0		

NOTES:

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R - High RPD observed, spike recovery is within range.



Sample Log-In Check List

CI	ient Name:	FES			Work Or	der Numb	ber: 1909462		
Lo	gged by:	Clare Grig	gs		Date Re	ceived:	9/27/2019	9 10:16:00 AM	
<u>Cha</u>	in of Custo	ody							
1.	Is Chain of Co	ustody comp	olete?		Yes	✓	No \square	Not Present	
2.	How was the	sample deliv	vered?		FedE	<u>x</u>			
Log	In								
_	 Coolers are p	resent?			Yes	✓	No 🗆	NA 🗆	
J.	осс.о.о а.о р					_			
4.	Shipping cont	tainer/cooler	in good condition?		Yes	✓	No \square		
			shipping container/cooler? ustody Seals not intact)		Yes	✓	No 🗌	Not Required	
6.	Was an atten	npt made to	cool the samples?		Yes	✓	No 🗌	NA 🗆	
7.	Were all item	s received a	t a temperature of >0°C to 10.0°	°C*	Yes	✓	No 🗌	NA 🗆	
8.	Sample(s) in	proper conta	ainer(s)?		Yes	✓	No \square		
9.	Sufficient san	nple volume	for indicated test(s)?		Yes	✓	No \square		
10.	Are samples	properly pre	served?		Yes	✓	No \square		
11.	Was preserva	ative added t	to bottles?		Yes		No 🗸	NA \square	
12.	Is there head	space in the	VOA vials?		Yes		No 🗌	NA 🗸	
13.	Did all sample	es container	s arrive in good condition(unbrok	ken)?	Yes	✓	No \square		
14.	Does paperw	ork match be	ottle labels?		Yes	✓	No 🗌		
15.	Are matrices	correctly ide	ntified on Chain of Custody?		Yes	✓	No 🗌		
16.	Is it clear wha	at analyses v	vere requested?		Yes	✓	No 🗌		
17.	Were all hold	ing times ab	le to be met?		Yes	✓	No 🗌		
Spe	cial Handli	ing (if app	olicable)						
_			liscrepancies with this order?		Yes		No 🗌	NA 🗹	
	Person I	Notified:		Date:					
	By Who	m:		Via:	r ☐ eMai	I 🗌 Ph	one Fax	☐ In Person	
	Regardii	ng:							
	Client In	structions:							
19.	Additional ren	narks:							_
<u>ltem</u> l	nformation								
		Item #	Temp °C						

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

3.6

4.5

Cooler

Sample

EMPLE COLOR COLOR COLOR COLOR Remarks: PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART PART	NG_1=== 2.22.17	Jal Hon 7/2/14@ 1/50	Such 1500x 9/16/19@/800	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named abo each of the terms on the front and backside of this Agreement.	***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate	MTCA-5 RCRA-8 Prio	Q = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment,		80-	-07	- 06	~05	-04 X	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-02 X		Sample Name Sample Sample Sample Type Sample (Matrix)* Sample Name Sample Name Sample Sample Type (Matrix)*	PM Email:	Telephone: 59-459-9220 Report To (PM):	City, State, Zip: Spokare, J.J.A. 9221 Location:	Address: 207 W. Bore Ave Collected by:	Client: FULCUM ENVIONMENTAL Project No:	Tel: 206-352-3790 Date: Project Name:	Scattle, WA SOLOS
eemen ee	www.tremontanalytical.com	Ch	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	nalytical on behalf of the Client named above and that I have verified Client's agreement to	phate Fluoride Nitrate+Nitrite	Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti TI U V	DW = Drinking Water, GW = Ground Water,		X	X	C/0#		X			X	\$ C C C C C C C C C C		Sgroom periorning			1926 60.00	Office Coff Coase PH I	

Page 1 of 2		www.fremontahalytical.com	٧	,		80612-22217	6
Same Day (specify)	Date/Time	x x x	@ /50	1/40	Date/film	tished Call	\
□ Next Day	Date/Time	Received	@/500	26/19	Parte/Tim	Relinguished **Stoff / rook	X Relia
at to 3 Day	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.	nalytical on behalf of the Client n	nt with Fremont A	is Agreeme	enter into the ackside of t	I represent that I am authorized to enter into this Agreement veach of the terms on the front and backside of this Agreement.	ea II
4		phate Fluoride Nitrate+Nitrite	Bromide O-Phosphate	Sulfate	Chloride	***Anions (Circle): Nitrate Nitrite	Asse
Standard	Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Tl U V Zn	B Ba Be Ca Cd Co Cr Cu Fe Hg K	Individual: Ag Al As B	TAL	Priority Pollutants	**Metals (Circle): MTCA-5 RCRA-8 F	**Me
Turn-argund Time:	GW = Ground Water, SW = Storm Water, WW = Waste Water	SL = Solid, W = Water, DW = Drinking Water,	P = Product, S = Soil, SD = Sediment, SL =	oduct, S = Soi	O=Other, P=P	Matrix: A = Air, AQ = Aqueous, B = Bulk, O	*Mat
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			×	11:05		207	ω
			X	W:W		-02	2
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Comments			Sample (RA B) G) (S) Type (Marrix)* SOS (S) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B	Sample Time	Sample Date	Sample Name	San
			PM Email:				Fax:
Disposal by lab (after 30 days)	Pot Cour was Sample Disposal: Return to specify	Sgrossle	Report To (PM):	20	3-92	Telephone: 59-459-9220	Tele
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S. Mr. A.	gennin band sim	197860.00	Project No:	34	ENVIORMEDTAL	MICCHA	Client:
1009H02	PH	Date: 9/26/19 Project Name: Shadance Golf	Date: 9	Seattle, WA 98103 Tel: 206-352-3790 Fax: 206-352-7178		h Fremont	
s Agreement	lecord & Laboratory Services Agreement	Chain of Custody Record		3600 Fremont Ave N.		NEAN	1

Page 1 of 2		.com	www.fremontanalytical.com	www.frem			,		DOC 12-22217
Same Day (specify)	*	a Date/Time	DIN	Received	See	6/40	Date Tipne	A SHA	× Religenished
○ Next Day		Date/Time	energy manufactures and the second se		1/500	6/19@	Oate/lime	HIMA	Nelinguished Williams
g 3 bay	I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.	amed above and that I i	ehalf of the Client na	Analytical on b	ith Fremont /	Agreement w	enter into this ackside of thi	I represent that I am authorized to enter into this Agreement veach of the terms on the front and backside of this Agreement.	each of the
1			ride Nitrate+Nitrite	O-Phosphate Fluoride	Bromide O-Ph	Sulfate Bro	Chloride	e): Nitrate Nitrite	***Anions (Circle):
Standard	Sh Se Sr Sn Tl Tl U V Zn	Mg Mn Mo Na Ni Pb	Cr Cu Fe Hg K	Al As B Ba Be Ca Cd Co	Individual: Ag Al A	CHESTON	Priority Pollutants	RCRA-8	**Metals (Circle): MTCA-5
Turn-argund Time:	SW = Storm Water, WW = Waste Water	GW = Ground Water,	er, DW = Drinking Water,	SL = Solid, W=Water,	SD = Sediment, SL	luct, S = Soil, SI	O = Other, P = Product, S = Soil,	AQ = Aqueous, B = Bulk,	•Matrix: A = Air,
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Agreement 0004462	Laboratory Project No (internal): Special Remarks:	0 0	126/19 Page: of Charge	126/19	03 03 Date: 97 Project Name: <	Seattle, WA 98103 Tel: 206-352-3790 Fax: 206-352-7178		Fremont	
		0	E Probady	2			- 26		



3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Fulcrum Environmental Scott Groat 207 W Boone Ave. Spokane, WA 99201

RE: Sundance Golf Course PH II ESA Work Order Number: 2010400

October 30, 2020

Attention Scott Groat:

Fremont Analytical, Inc. received 3 sample(s) on 10/23/2020 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Gasoline by NWTPH-Gx

Sample Moisture (Percent Moisture)

Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Date: 10/30/2020



CLIENT: Fulcrum Environmental Work Order Sample Summary

Project: Sundance Golf Course PH II ESA

Work Order: 2010400

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2010400-001	SGC-102220-01	10/22/2020 11:01 AM	10/23/2020 1:43 PM
2010400-002	SGC-102220-02	10/22/2020 11:03 AM	10/23/2020 1:43 PM
2010400-003	SGC-102220-03	10/22/2020 11:08 AM	10/23/2020 1:43 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned



Case Narrative

WO#: **2010400**Date: **10/30/2020**

CLIENT: Fulcrum Environmental

Project: Sundance Golf Course PH II ESA

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.



Qualifiers & Acronyms

WO#: **2010400**

Date Reported: 10/30/2020

Qualifiers:

- * Flagged value is not within established control limits
- B Analyte detected in the associated Method Blank
- D Dilution was required
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- I Analyte with an internal standard that does not meet established acceptance criteria
- J Analyte detected below Reporting Limit
- N Tentatively Identified Compound (TIC)
- Q Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
- S Spike recovery outside accepted recovery limits
- ND Not detected at the Reporting Limit
- R High relative percent difference observed

Acronyms:

%Rec - Percent Recovery

CCB - Continued Calibration Blank

CCV - Continued Calibration Verification

DF - Dilution Factor

DUP - Sample Duplicate

HEM - Hexane Extractable Material

ICV - Initial Calibration Verification

LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate

MB or MBLANK - Method Blank

MDL - Method Detection Limit

MS/MSD - Matrix Spike / Matrix Spike Duplicate

PDS - Post Digestion Spike

Ref Val - Reference Value

REP - Sample Replicate

RL - Reporting Limit

RPD - Relative Percent Difference

SD - Serial Dilution

SGT - Silica Gel Treatment

SPK - Spike

Surr - Surrogate



Analytical Report

Work Order: **2010400**Date Reported: **10/30/2020**

Client: Fulcrum Environmental Collection Date: 10/22/2020 11:01:00 AM

Project: Sundance Golf Course PH II ESA

Lab ID: 2010400-001 **Matrix:** Soil

Client Sample ID: SGC-102220-01

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH	I-Dx/Dx Ext.			Batch	ı ID:	30176 Analyst: IH
Diesel (Fuel Oil)	ND	17.6		mg/Kg-dry	1	10/27/2020 10:54:54 Pf
Heavy Oil	ND	44.1		mg/Kg-dry	1	10/27/2020 10:54:54 PM
Surr: 2-Fluorobiphenyl	118	50 - 150		%Rec	1	10/27/2020 10:54:54 PM
Surr: o-Terphenyl	94.4	50 - 150		%Rec	1	10/27/2020 10:54:54 PI
Gasoline by NWTPH-Gx				Batch	ı ID:	30189 Analyst: KT
Gasoline	ND	5.59		mg/Kg-dry	1	10/28/2020 10:18:15 Pl
Surr: Toluene-d8	99.4	65 - 135		%Rec	1	10/28/2020 10:18:15 PM
Surr: 4-Bromofluorobenzene	99.5	65 - 135		%Rec	1	10/28/2020 10:18:15 PI
Volatile Organic Compounds by	EPA Method	8260D		Batch	ı ID:	30189 Analyst: KT
Benzene	ND	0.0224		mg/Kg-dry	1	10/28/2020 10:18:15 Pl
Toluene	0.0259	0.0224		mg/Kg-dry	1	10/28/2020 10:18:15 PM
Ethylbenzene	ND	0.0280		mg/Kg-dry	1	10/28/2020 10:18:15 PM
m,p-Xylene	0.0596	0.0559		mg/Kg-dry	1	10/28/2020 10:18:15 PM
o-Xylene	0.0373	0.0280		mg/Kg-dry	1	10/28/2020 10:18:15 PM
Surr: Dibromofluoromethane	97.8	85.2 - 113		%Rec	1	10/28/2020 10:18:15 PI
Surr: Toluene-d8	97.7	88.5 - 110		%Rec	1	10/28/2020 10:18:15 PM
Surr: 1-Bromo-4-fluorobenzene	98.0	88.6 - 109		%Rec	1	10/28/2020 10:18:15 PI
Sample Moisture (Percent Moist	ture)			Batch	ı ID:	R62987 Analyst: CJ
Percent Moisture	5.24	0.500		wt%	1	10/30/2020 9:12:43 AM



Analytical Report

Work Order: **2010400**Date Reported: **10/30/2020**

Client: Fulcrum Environmental Collection Date: 10/22/2020 11:03:00 AM

Project: Sundance Golf Course PH II ESA

Lab ID: 2010400-002 **Matrix:** Soil

Client Sample ID: SGC-102220-02

Analyses	Result	RL	Qual	Units	DF	Dat	e Analyzed
Diesel and Heavy Oil by NWTPH	-Dx/Dx Ext.			Batch	ı ID:	30176	Analyst: IH
Diesel (Fuel Oil)	ND	19.3		mg/Kg-dry	1	10/27/	2020 11:54:11 PM
Heavy Oil	ND	48.3		mg/Kg-dry	1	10/27/	2020 11:54:11 PM
Surr: 2-Fluorobiphenyl	112	50 - 150		%Rec	1	10/27/	2020 11:54:11 PM
Surr: o-Terphenyl	91.7	50 - 150		%Rec	1	10/27/	2020 11:54:11 PM
Gasoline by NWTPH-Gx				Batch	ı ID:	30189	Analyst: KT
Gasoline	ND	5.58		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	10/28/	2020 10:48:32 PM
Surr: 4-Bromofluorobenzene	99.2	65 - 135		%Rec	1	10/28/	2020 10:48:32 PM
Volatile Organic Compounds by	EPA Method	8260D		Batch	ı ID:	30189	Analyst: KT
Benzene	ND	0.0223		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
Toluene	ND	0.0223		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
Ethylbenzene	ND	0.0279		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
m,p-Xylene	ND	0.0558		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
o-Xylene	ND	0.0279		mg/Kg-dry	1	10/28/	2020 10:48:32 PM
Surr: Dibromofluoromethane	97.1	85.2 - 113		%Rec	1	10/28/	2020 10:48:32 PM
Surr: Toluene-d8	97.5	88.5 - 110		%Rec	1	10/28/	2020 10:48:32 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	88.6 - 109		%Rec	1	10/28/	2020 10:48:32 PM
Sample Moisture (Percent Moist	:ure)			Batch	ı ID:	R62987	Analyst: CJ
Percent Moisture	6.27	0.500		wt%	1	10/30/	2020 9:12:43 AM



Analytical Report

Work Order: **2010400**Date Reported: **10/30/2020**

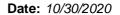
Client: Fulcrum Environmental Collection Date: 10/22/2020 11:08:00 AM

Project: Sundance Golf Course PH II ESA

Lab ID: 2010400-003 **Matrix:** Soil

Client Sample ID: SGC-102220-03

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	
Diesel and Heavy Oil by NWTPH	I-Dx/Dx Ext.			Batch	ı ID:	30176 Analyst: IH	
Diesel (Fuel Oil)	ND	19.9		mg/Kg-dry	1	10/28/2020 12:23:49	AM
Heavy Oil	ND	49.7		mg/Kg-dry	1	10/28/2020 12:23:49	AM
Surr: 2-Fluorobiphenyl	107	50 - 150		%Rec	1	10/28/2020 12:23:49	AM
Surr: o-Terphenyl	86.5	50 - 150		%Rec	1	10/28/2020 12:23:49	AM
Gasoline by NWTPH-Gx				Batch	ı ID:	30189 Analyst: KT	
Gasoline	ND	5.51		mg/Kg-dry	1	10/28/2020 11:18:48	PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	10/28/2020 11:18:48	РМ
Surr: 4-Bromofluorobenzene	99.0	65 - 135		%Rec	1	10/28/2020 11:18:48	PM
Volatile Organic Compounds by	EPA Method	8260D		Batch	ı ID:	30189 Analyst: KT	•
Benzene	ND	0.0220		mg/Kg-dry	1	10/28/2020 11:18:48	PM
Toluene	ND	0.0220		mg/Kg-dry	1	10/28/2020 11:18:48	РМ
Ethylbenzene	ND	0.0275		mg/Kg-dry	1	10/28/2020 11:18:48	РМ
m,p-Xylene	ND	0.0551		mg/Kg-dry	1	10/28/2020 11:18:48	РМ
o-Xylene	ND	0.0275		mg/Kg-dry	1	10/28/2020 11:18:48	РМ
Surr: Dibromofluoromethane	96.9	85.2 - 113		%Rec	1	10/28/2020 11:18:48	РМ
Surr: Toluene-d8	96.8	88.5 - 110		%Rec	1	10/28/2020 11:18:48	PM
Surr: 1-Bromo-4-fluorobenzene	97.5	88.6 - 109		%Rec	1	10/28/2020 11:18:48	PM
Sample Moisture (Percent Moist	ture)			Batch	ı ID:	R62987 Analyst: CJ	ı
Percent Moisture	10.3	0.500		wt%	1	10/30/2020 9:12:43 A	M





Work Order: 2010400

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Sundance 0	Golf Course	PH II ESA						Diesel	and Heavy	Oil by NW	TPH-Dx/I	Ox Ex
Sample ID: MB-30176	SampTyp	e: MBLK			Units: mg/k	(g	Prep Da	te: 10/27/2	2020	RunNo: 629	15	
Client ID: MBLKS	Batch ID:	30176					Analysis Da	te: 10/27/2	2020	SeqNo: 126	2822	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)		ND	20.0									
Heavy Oil		ND	50.0									
Surr: 2-Fluorobiphenyl		21.7		20.00		109	50	150				
Surr: o-Terphenyl		17.6		20.00		87.8	50	150				
Sample ID: LCS-30176	SampTyp	e: LCS			Units: mg/k	(g	Prep Da	te: 10/27/2	2020	RunNo: 629	15	
Client ID: LCSS	Batch ID:	30176					Analysis Da	te: 10/27/2	2020	SeqNo: 126	2823	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Diesel (Fuel Oil)		453	20.0	500.0	0	90.5	65	135				
Surr: 2-Fluorobiphenyl		21.7		20.00		108	50	150				
Surr: o-Terphenyl		19.7		20.00		98.5	50	150				
Sample ID: 2010397-002AMS	SampTyp	e: MS			Units: mg/k	(g-dry	Prep Da	te: 10/27/2	2020	RunNo: 629)15	
Client ID: BATCH	Batch ID:	30176					Analysis Da	te: 10/27/2	2020	SeqNo: 126	2827	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Diesel (Fuel Oil)		939	24.0	600.8	561.2	62.9	65	135				S
Surr: 2-Fluorobiphenyl		26.4		24.03		110	50	150				
Surr: o-Terphenyl		26.3		24.03		109	50	150				
NOTES:	16 1	- 11 1										
S - Spike recovery indicates a po												
Sample ID: 2010397-002AMSD	SampTyp				Units: mg/k	(g-dry	•	te: 10/27/2		RunNo: 629		
Client ID: BATCH	Batch ID:	30176					Analysis Da	te: 10/27/2	2020	SeqNo: 126	2828	
Analyte		Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qua
Diesel (Fuel Oil)		1,590	22.7	567.6	561.2	182	65	135	938.9	51.7	30	RS
Surr: 2-Fluorobiphenyl		22.8		22.70		100	50	150		0		
Surr: o-Terphenyl		26.2		22.70		115	50	150		0		

Original Page 8 of 16

Date: 10/30/2020



Work Order: 2010400

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Project: Sundance Golf Course PH II ESA

Sample ID: 2010397-002AMSD SampType: MSD Units: mg/Kg-dry Prep Date: 10/27/2020 RunNo: 62915

Client ID: **BATCH** Batch ID: **30176** Analysis Date: **10/27/2020** SeqNo: **1262828**

Analyte Result RL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

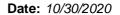
NOTES:

S - Spike recovery indicates a possible matrix effect.

R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: 2010400-001ADUP	SampType: DUP			Units: mg/k	(g-dry	Prep Da	te: 10/27/2	2020	RunNo: 629	15	
Client ID: SGC-102220-01	Batch ID: 30176					Analysis Da	te: 10/27/2	2020	SeqNo: 126	2833	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	18.9						0		30	
Heavy Oil	ND	47.2						0		30	
Surr: 2-Fluorobiphenyl	22.0		18.89		117	50	150		0		
Surr: o-Terphenyl	17.9		18.89		94.6	50	150		0		

Original Page 9 of 16





Work Order: 2010400

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Gasoline by NWTPH-Gx

Project: Sundance Golf Course PH II ESA

Project: Sundance C	JOIT Course PH II ESA								_
Sample ID: LCS-30189	SampType: LCS			Units: mg/Kg		Prep Date	: 10/28/2020	RunNo: 62943	
Client ID: LCSS	Batch ID: 30189					Analysis Date	10/28/2020	SeqNo: 1263378	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Va	%RPD RPDLimit	Qual
Gasoline	26.8	5.00	25.00	0	107	65	135		
Surr: Toluene-d8	1.23		1.250		98.8	65	135		
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135		
Sample ID: MB-30189	SampType: MBLK			Units: mg/Kg		Prep Date	: 10/28/2020	RunNo: 62943	
Client ID: MBLKS	Batch ID: 30189					Analysis Date	: 10/28/2020	SeqNo: 1263379	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit I	HighLimit RPD Ref Va	RPD RPDLimit	Qual
Gasoline	ND	5.00							
Surr: Toluene-d8	1.26		1.250		101	65	135		
Surr: 4-Bromofluorobenzene	1.24		1.250		98.9	65	135		
Sample ID: 2010350-001BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	: 10/28/2020	RunNo: 62943	
Client ID: BATCH	Batch ID: 30189					Analysis Date	10/28/2020	SeqNo: 1263361	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Va	8 %RPD RPDLimit	Qual
Gasoline	ND	5.70					C	30	
Surr: Toluene-d8	1.43		1.425		100	65	135	0	
Surr: 4-Bromofluorobenzene	1.41		1.425		99.2	65	135	0	
Sample ID: 2010371-001BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Date	: 10/28/2020	RunNo: 62943	
Client ID: BATCH	Batch ID: 30189					Analysis Date	: 10/28/2020	SeqNo: 1263363	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Va	8 %RPD RPDLimit	Qual
Gasoline	ND	4.65					C	30	
Surr: Toluene-d8	1.17		1.162		100	65	135	0	
Surr: 4-Bromofluorobenzene	1.16		1.162		99.4	65	135	0	

Original Page 10 of 16

Date: 10/30/2020



Work Order: 2010400

QC SUMMARY REPORT

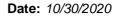
CLIENT: Fulcrum Environmental

Gasoline by NWTPH-Gx

Project: Sundance Golf Course PH II ESA

Sample ID: 2010371-002BMS	SampType: MS			Units: mg/l	(g-dry	Prep Da	te: 10/28/2	2020	RunNo: 629	943	
Client ID: BATCH	Batch ID: 30189					Analysis Da	te: 10/28/2	.020	SeqNo: 126	3365	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.1	4.74	23.68	5.280	96.4	65	135				
Surr: Toluene-d8	1.17		1.184		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.22		1.184		103	65	135				

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Work Order: 2010400

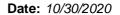
QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Volatile Organic Compounds by EPA Method 8260D

Project: Sundance G	olf Course PH II ESA	1				Volatile	Organic	Compoun	ds by EPA	Method	8260
Sample ID: LCS-30189	SampType: LCS			Units: mg/Kg		Prep Dat	te: 10/28/2 0	020	RunNo: 629	42	
Client ID: LCSS	Batch ID: 30189					Analysis Dat	te: 10/28/2 0	020	SeqNo: 126	3356	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.971	0.0200	1.000	0	97.1	79.4	116				
Toluene	0.959	0.0200	1.000	0	95.9	80.5	115				
Ethylbenzene	0.984	0.0250	1.000	0	98.4	81.6	116				
m,p-Xylene	1.96	0.0500	2.000	0	98.2	83.2	115				
o-Xylene	0.981	0.0250	1.000	0	98.1	82.5	114				
Surr: Dibromofluoromethane	1.29		1.250		103	85.2	113				
Surr: Toluene-d8	1.25		1.250		99.9	88.5	110				
Surr: 1-Bromo-4-fluorobenzene	1.34		1.250		107	88.6	109				
Sample ID: MB-30189	SampType: MBLK			Units: mg/Kg		Prep Dat	te: 10/28/2 0	020	RunNo: 629	42	-
Client ID: MBLKS	Batch ID: 30189					Analysis Dat	te: 10/28/2 0	020	SeqNo: 126	3357	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Toluene	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	1.20		1.250		96.3	85.2	113				
Surr: Toluene-d8	1.22		1.250		97.9	88.5	110				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.5	88.6	109				
Sample ID: 2010350-001BDUP	SampType: DUP			Units: mg/Kg-	dry	Prep Dat	te: 10/28/2 0	020	RunNo: 629	42	-
Client ID: BATCH	Batch ID: 30189					Analysis Dat	te: 10/28/2 0	020	SeqNo: 126	3331	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0228						0		30	
Toluene	ND	0.0228						0		30	
Ethylbenzene	ND	0.0285						0		30	

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Work Order: 2010400

Surr: Dibromofluoromethane

2.01

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Volatile Organic Compounds by EPA Method 8260D

Project: Sundance G	olf Course PH II ES	SA_				Volatile	Organic	Compoun	ds by EPA	Method	8260[
Sample ID: 2010350-001BDUP	SampType: DUP			Units: mg/	Kg-dry	Prep Da	te: 10/28/2	2020	RunNo: 629	942	
Client ID: BATCH	Batch ID: 30189					Analysis Da	te: 10/28/2	2020	SeqNo: 126	3331	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	0.0570						0		30	
o-Xylene	ND	0.0285						0		30	
Surr: Dibromofluoromethane	1.37		1.425		96.4	85.2	113		0		
Surr: Toluene-d8	1.39		1.425		97.3	88.5	110		0		
Surr: 1-Bromo-4-fluorobenzene	1.39		1.425		97.7	88.6	109		0		
Sample ID: 2010371-001BDUP	SampType: DUP			Units: mg/	Kg-dry	Prep Da	te: 10/28/2	2020	RunNo: 629	942	
Client ID: BATCH	Batch ID: 30189					Analysis Da	te: 10/28/2	2020	SeqNo: 126	3340	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0186						0		30	
Toluene	ND	0.0186						0		30	
Ethylbenzene	ND	0.0232						0		30	
m,p-Xylene	0.199	0.0465						0.1935	2.83	30	
o-Xylene	0.0623	0.0232						0.06240	0.138	30	
Surr: Dibromofluoromethane	1.12		1.162		96.7	85.2	113		0		
Surr: Toluene-d8	1.14		1.162		97.7	88.5	110		0		
Surr: 1-Bromo-4-fluorobenzene	1.14		1.162		97.8	88.6	109		0		
Sample ID: 2010350-002BMS	SampType: MS			Units: mg/	Kg-dry	Prep Da	te: 10/28/2	2020	RunNo: 629	942	
Client ID: BATCH	Batch ID: 30189					Analysis Da	te: 10/28/2	2020	SeqNo: 126	3333	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.57	0.0312	1.558	0	101	74.6	126				
Toluene	1.50	0.0312	1.558	0	96.6	72.6	127				
Ethylbenzene	1.56	0.0389	1.558	0	100	77.3	126				
m,p-Xylene	3.14	0.0779	3.116	0	101	78.5	126				
o-Xylene	1.56	0.0389	1.558	0	100	79.4	123				

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103

85.2

113

1.947

Date: 10/30/2020



Work Order: 2010400

Project:

QC SUMMARY REPORT

CLIENT: Fulcrum Environmental

Sundance Golf Course PH II ESA

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2010350-002BMS	SampType: MS			Units: mg/	Kg-dry	Prep Da	te: 10/28/2	020	RunNo: 629	942	
Client ID: BATCH	Batch ID: 30189					Analysis Da	te: 10/28/2	020	SeqNo: 126	3333	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Toluene-d8	1.93		1.947		99.2	88.5	110				
Surr: 1-Bromo-4-fluorobenzene	2.03		1.947		104	88.6	109				

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Sample Log-In Check List

CI	ient Name:	FES	Work Order No	umber: 2010400	
Lo	gged by:	Gabrielle Coeuille	Date Received	d: 10/23/202 0	1:43:00 PM
<u>Cha</u>	in of Custo	ody			
		ustody complete?	Yes 🗸	No \square	Not Present
2.	How was the	sample delivered?	<u>FedEx</u>		
Log	In				
_	Coolers are p	resent?	Yes 🗸	No 🗆	NA 🗆
0.	·				
4.	Shipping conf	cainer/cooler in good condition?	Yes 🗹	No \square	
5.		s present on shipping container/cooler? ments for Custody Seals not intact)	Yes	No \square	Not Present ✓
6.	Was an atten	npt made to cool the samples?	Yes 🗸	No 🗌	NA 🗆
7.	Were all item	s received at a temperature of >2°C to 6°C *	Yes 🗸	No 🗆	NA 🗆
8.	Sample(s) in	proper container(s)?	Yes 🗸	No \square	
9.	Sufficient san	nple volume for indicated test(s)?	Yes 🗸	No 🗆	
10.	Are samples	properly preserved?	Yes 🗸	No \square	
11.	Was preserva	ative added to bottles?	Yes	No 🗸	NA 🗆
12.	Is there head	space in the VOA vials?	Yes	No 🗌	NA 🗹
		es containers arrive in good condition(unbroken)?	Yes 🗸	No \square	
14.	Does paperw	ork match bottle labels?	Yes 🗸	No 🗌	
15.	Are matrices	correctly identified on Chain of Custody?	Yes 🗸	No \square	
16.	Is it clear wha	at analyses were requested?	Yes 🗸	No \square	
17.	Were all hold	ing times able to be met?	Yes 🗹	No 🗌	
Spe	cial Handli	ing (if applicable)			
_		otified of all discrepancies with this order?	Yes	No 🗌	NA 🗹
	Person				
	By Who			Phone Fax	In Person
	Regardi			There Trax	
	_	structions:			
19.	Additional rer	·			
_	nformation				
	ormanon	Item # Temp °C			

4.3

Sample 1

^{*} Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

-	Chain of Custody Record & Labora	Laboratory Services Agreement
	Date: 10 MM Page: 1 of: 1 Labo	
ATTOLYTICOL Fax: 206-352-7178	Coug PHT &	0.0100
Client Fulciar Enviormental	197860.00	Page
Address: 707 h. Base Ave.	Collected by: S. M. A.	
ON, SHARE, ZIP: SALLE LE, WA ARE!	Location:	
Telephone: 559-459-922	Report To (PM): Call Grown	Sample Disposal: Return to client Disposal by lab latter an days
Fax:	Monte of whom . No	
	6 54	
Sample Name Sample Sample Type Date Time (Matrix)*	1 50 10 10 10 10 10 10 10 10 10 10 10 10 10	
	X	Comments
2 -02 / 1103 S	X	
S 3011 4 E0- 4	×	
(r) (b)		
7		
(A) (A)		
*Matrix: A = Air. AO = Anueous R = Bulk O = Other P = Product S = Soil SO - Sodimont	ST - Solid W- Water SW - Salah - Switzer	
**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag	As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na NI Pb Sb Se Sr	TI TI U V Zn
***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide	le O-Phosphate Fluoride Nitrate+Nitrite	Standard
I represent that I am authorized to enter into this Agreement with each of the terms on the front and backside of this Agreement.	represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above and that I have verified Client's agreement to ach of the terms on the front and backside of this Agreement.	ified Client's agreement to 3 Day
Relinquished Groat Groat 1992/2000 /	TOO K CONTROL Date/Time	2 Day
Refrigulshed A Date/Time	Received Date/Time	Same Day
006 1.2-22217	www.fremontanalytical.com	(specify)



APPENDIX C

Site Photographs





View from entry to former Sundance Golf Course looking south along North Nine Mile Road. The paved parking area to the golf course

can be seen in the foreground.



Photograph #2: 4/04/2019

View from entry of the former Sundance Golf Course looking west towards the clubhouse.



Photograph #3: 4/04/2019

View of the covered storage area prior to removal of the Above Ground Storage Tanks (ASTs) and drums.

Appendix C-1 Phase II Environmental Site Assessment Sundance Golf Course, Nine Mile Falls, Washington



Photograph #4: 4/04/2019 View of an AST within the covered storage area



Photograph #5: 9/26/2019

prior to removal.

View of covered storage area after all ASTs and drums were removed off-site. A non-native sand was observed to overlay native soil within the covered storage area.



Phase II Environmental Site Assessment Appendix C-2 Sundance Golf Course, Nine Mile Falls, Washington

Photograph #6: 9/26/2019

View of typical near surface sample taken from approximately 1 ft below ground surface (bgs) within the native soil below the covered storage area. Laboratory analytical identified Petroleum Containment Soil (PCS) within the eastern portion of the covered storage area.





Photograph #7: 4/04/2019

View of the approximate 300-gallon suspect agricultural chemical AST prior to removal.



Photograph #8: 9/26/2019

View of the suspect agricultural chemical AST soil sampling location following removal of the AST.



8

Photograph #9: 4/04//2019 View of storage shed prior to the removal of the agricultural chemicals.

Phase II Environmental Site Assessment Appendix C-3 Sundance Golf Course, Nine Mile Falls, Washington



Photograph #10: 4/04/2019

View of the storage shed soil sample location following removal of the chemicals and pallets.



Photograph #11: 9/26/2019

View of covered storage area after lean-to and associated fencing was removed to conduct remedial excavation of the PCS located within the eastern portion of the covered storage area.



Photograph #12: 10/22/2020

View of remedial excavation conducted within the eastern portion of the covered storage area. Site soils were excavated down to approximately 2-ft bgs and the excavation was approximately 12 ft by 20 ft in area.

Phase II Environmental Site Assessment Appendix C-4 Sundance Golf Course, Nine Mile Falls, Washington



Photograph #13: 10/22/20

View of a typical soil sample taken from the pit bottom or sidewalls of the remedial excavation conducted within eastern portion of the covered storage area.



Photograph #14: 10/22/20

View of sloped excavation sidewalls and associated lean-to and fence debris after confirmatory soil sampling was completed.



APPENDIX D

Waste Disposal Receipts



Reprint

JOSH KING

Ticket# 625214

Ph: (509) 244-0151

Driver

Check#

Grid

Vehicle# JOSH Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier ABLECLEANUP ABLE CLEANUP TECHNOLOGIE

Ticket Date 10/22/2020
Payment Type Credit Account
Manual Ticket#

Route Hauling Ticket#

Destination

Manifest 107318WA

Profile 107318WA (LF02 Gasoline Contaminated Soils)

Generator WA-ABLE CLEANUP TECHNOLOGIES ABLE CLEANUP TECHNOLOGIES

AS Krobsh

20374 PO#

	Time		Scale	Operator	Inbound	Gross	63480 1	lb
	10/22/2020			ashield2		Tare	30880 1	lb
Out	10/22/2020	13:04:38	Scalel	ashield2		Net	32600 1	lЪ
						Tons	16.3	30

Comments

Prod	luct	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		16.30	Tons	29.00	17.02	\$472.70 SPOKANE \$47.79 SPOKANE
3	SRHD1-Spokane Regional	100	16.30	Tons	0.32	0.19	\$5.22 SPOKANE

Total Tax/Fees \$542.92 \$17.21 Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



APPENDIX D

Agricultural Chemical Soil Sampling Summary Tables

Table 1: Sundance Golf Course - Mercury Characterization Soil Samples

Location	Sample Number & Area	Sample Depth (in)	Sampung	12/16/20 Mercury Characterization Sampling	04/22/21 Mercury Characterization Sampling	7/7/21 Mercury Characterization Sampling
	SD-120320-01 (tee box)	3	0.04	0.04		
	SGC-121620-21, (northeast green)	3		0.04		
Hole 1	SGC-121620-22, (south central green)	3		0.04		
	SGC-121620-23, (northwest green) SGC-070721-PH-19 (south of green)	3		0.04		0.04
	SGC-070721-PH-19 (south of green) SGC-070721-PH-22 (fairway low area)	3				0.04
	SD-120320-02, (central green)	4	0.04			0.04
	SGC-121620-24, (southeast green)	3	0.04	0.12		
	SGC-121620-25, (northwest green)	3		0.12		
Hole 2	SGC-121620-25B, (north central green)	3		0.14		
	SGC-042221-PH-03, (central green)	3			2.6	
	SGC-070721-PH-30 (fairway low area)	3				0.04
	SD-120320-03 (fairway)	3	0.04			
	SGC-121620-26, (south central green)	3		0.04		
Hole 3	SGC-121620-27, (northwest green)	3		0.04		
	SGC-121620-28, (northeast green)	3		0.04		
	SGC-070721-PH-08, (central green)	3				16
	SD-120320-04, (northwest area green)	6	5.2			
	SGC-121620-29, (west central green)	3		0.037		
Hole 4	SGC-121620-30, (south central green)	3		0.04		
	SGC-121620-31, (east central green)	3		0.28		
	SGC-042221-PH-02 (central fairway)	3			0.04	
	SD-120320-05, (north central green)	1.5	0.04			
	GGG 121(22) 22 (1	3		2.6		
TT 1 6	SGC-121620-32, (east central green)	6		4.5		
Hole 5	GGG 121(20.22 (, , , , , , , , , , , , , , , , , ,	12		1.7		
	SGC-121620-33, (west central green)	3		0.54		
	SGC-121620-34, (central green) SGC-070721-PH-21, (fairway low area)	3		0.084		0.04
	SD-120320-06 (tee box)	3	0.04			0.04
	SGC-121620-35, (east central green)	3	0.04	0.23		
Hole 6	SGC-121620-35, (east central green)	3		1.8		
Hole o	SGC-121620-37, (west central green)	3		0.38		
	SGC-070721-PH-20, (east central green)	3		0.56		0.77
	SD-120320-07 (central green)	3	6.9			0.77
	SGC-121620-38, (northwest green)	3	0.0	0.11		
Hole 7	SGC-121620-39, (north central green)	3		0.14		
	SGC-121620-40, (south central green)	3		0.098		
	SGC-070721-PH-07, (faiway low area)	3				0.04
	SD-120320-08 (fariway)	3	0.04			
	SCC 121620 41 (cost control green)	3		3.5		
Hole 8	SGC-121620-41, (east central green)	6		0.29		
Hole o	SGC-121620-42, (southwest green)	3		0.75		
	SGC-121620-43, (north central green)	3		0.23		
	SGC-042221-PH-01, (southwest green)	3			0.31	
	SD-120320-09 (tee box)	3	0.04			
	SGC-121620-44, (east central green)	3		1.9		
Hole 9	SGC-121620-45, (north central green)	3		21		
		6		0.12		
	SGC-121620-46, (southwest green)	3		0.26	0.01	
	SGC-042221-PH-06 (low spot fairway)	3	0.07		0.04	
	SD-120320-10 (tee box)	3	0.04	0.11		
11-1- 10	SGC-121620-47, (north central green)	3		0.11		
Hole 10	SGC-121620-48, (central green)	3		0.091		
	SGC 042221 PH 05 (southeast green)	3		0.16	4.1	
	SGC-042221-PH-05, (southeast green) SD-120320-11, (central green)	6	0.1		4.1	
	SGC-121620-50, (northwest green)	3	U.1	0.04		
	SGC-121620-50, (northwest green) SGC-121620-51, (central green)	3		0.04		
		3		13		
	SGC-121620-52, (southeast green)	6		0.04		
Hole 11	SGC-070721-PH-13, (lowspot NW of green)	3		U.UT		0.04
	SGC-070721-PH-14, (lowspot ast of green)	3				0.04
	SGC-070721-PH-15, (lowspot east of green)	3				0.04
	SGC-070721-PH-25, (fairway lowspot)	3				0.04
	- , (J F)	3				0.04

Location	Sample Number & Area	Sample Depth (in)	12/03/20 Mercury Characterization Sampling	12/16/20 Mercury Characterization Sampling	04/22/21 Mercury Characterization Sampling	7/7/21 Mercury Characterization Sampling
	SD-120320-12 (tee box)	3	0.04			
	SGC-121620-53, (north central green)	3		0.2		
	SGC-121620-54, (central green)	3		0.04		
	SGC-121620-55, (south central green)	3		0.042		
Hole 12	SGC-070721-PH-10, (putting green)	3				0.14
	SGC-070721-PH-11, (fairway lowspot)	3				0.04
	SGC-070721-PH-12, (fairway lowspot)	3				0.04
	SGC-070721-PH-27, (fairway lowspot)	3				0.04
	SGC-070721-PH-28, (fairway low spot)	3				0.04
	SD-120320-13, (central green)	3	0.04			
	SGC-121620-56, (south central green)	3		0.04		
Hole 13	SGC-121620-57, (northwest green)	3		0.054		
	SGC-121620-58, (northeast green)	3		0.066		
•	SGC-070721-PH-09, (fairway low spot)	3				0.04
	SD-120320-14 (fairway)	3	0.04			
	SGC-121620-59, (southeast green)	3		0.058		
** 1 44	SGC-121620-60, (central green)	3		0.24		
Hole 14	SGC-121620-61, (northwest green)	3		0.066		
	SGC-070721-PH-18, (south central green)	3				0.45
•	SGC-070721-PH-29 (central fairway)	3				0.04
	SD-120320-15, (central green)	3	0.04			
-	SGC-121620-62, (east central green)	3		0.32		
Hole 15	SGC-121620-63, (northwest green)	3		0.04		
	SGC-121620-64, (southwest green)	3		0.082		
-	SGC-042221-PH-04, (east fairway)	3			0.04	
	SD-120320-16 (tee box)	3	0.04		0.0.1	
-	SGC-121620-65, (north central green)	3	0.01	0.2		
Hole 16	SGC-121620-66, (west central green)	3		0.04		
-	SGC-121620-67, (south central green)	3		0.13		
	SD-120320-17, (central green)	3	0.04	0.13		
-	SGC-121620-68, (southeast green)	3	0.04	0.04		
Hole 17	SGC-121620-69, (north central green)	3		0.04		
	SGC-121620-79, (north central green)	3		0.097		
	SGC-070721-PH-16, (fairway low spot)	3		0.097		0.04
	SGC-070721-FH-10, (failway fow spot) SGC-070721-PH-17, (putting green)	3				6.2
	SGC-070721-PH-17, (putting green)	3				0.04
	SGC-070721-PH-24, (fairway low spot)	3				0.04
	SD-120320-18, (central green)	3	0.04			0.04
-	SGC-121620-71, (southeast green)	3	U.U 4	0.04		
Hole 18	SGC-121620-71, (southeast green) SGC-121620-72, (north central green)	3		0.04		
-						
Deixina Banca	SGC-121620-73, (southwest green)	3	0.04	0.79		
Driving Range	SD-120320-19		0.04			
	Total Samp	les Analyzed	19	59	6	24
	Average C	oncentration	0.68	0.98	1.19	1.01
	MTCA Method A Cleanup Level for Mercu	. 0 0			2	

Bold Laboratory analytical above MTCA Method A Cleanup levels of 2 mg/kg for mercury

Total Samples108Average of All Samples0.9632Total Samples Above Method A Cleanup11Percent of samples above Method A10%

Note:

Soil samples were characterized for mercury disposal via TCLP analysis for comparision to the applicable waste criteria of 0.2 ppm TCLP analysis was conducted for a composite of the 54 soil samples collected on 12/16/21 with non-detect results TCLP analysis was also conducted for a composite of the six samples with mercury above cleanup with results at 0.0003 ppm Speciation analysis was non-detect for hexavalent Chromium

Table 2: Sundance Golf Course - Confirmatory Sample Summary for Mercury Contaminated Soil

Table 2: Sui	dance Golf Course - Confirmatory Samp	e Summa				06/16/2021	00/04/2021
		Sample	4/07/2021	4/22/2021	4/29/2021	06/16/2021	08/04/2021
Location	Sample Number and Area	Depth	Mercury	Mercury	Mercury	Mercury	Mercury
		(in)	Confirmatory	Confirmatory	Confirmatory	Confirmatory	Confirmatory
		` ′	Sample	Sample	Sample	Sample	Sample
	SGC-040721-01 (west central green)	6	0.24	-	-	-	-
	SGC-040721-02 (central green)	6	0.34	-	-	-	-
Hole 4	SGC-040721-03 (east central green)	4	3	-	-	-	-
noie 4	SGC-040721-04 (south green)	4	0.86	-	-	-	-
	SGC-040721-05 (west green)	4	1.9	-	-	-	-
	SGC-040721-06 (north green)	4	2.5	-	-	-	-
	SGC-040721-07 (central green)	4	2.5	-	-	-	-
	SGC-040721-08 (east central green)	4	0.49	-	-	_	-
	SGC-040721-09 (east green)	4	4.7	-	-	_	-
Hole 8	SGC-040721-10 (southeast green)	4	0.4	-	_	_	_
	SGC-040721-11 (central green)	4	1.7	-	_	_	-
	SGC-040721-11 (central green)	4	5.4		<u> </u>	<u> </u>	-
	`	4					
	SGC-040721-13 (central green)	4	28	-	-	-	-
	SGC-040721-14 (central green)		5	-	-	-	-
Hole 7	SGC-040721-15 (east central green)	4	1	-	-	-	-
	SGC-040721-16 (south central green)	4	0.23	-	-	-	-
	SGC-040721-17 (central green)	4	0.71	-	-	-	-
	SGC-040721-18 (north central green)	4	25	-	-	-	-
AST	SGC-040721-19	3	0.2	-	-	-	-
Chem Shed	SGC-040721-20	3	ND	-	-	-	-
	SGC-040721-21 (south central green)	4	5.2	-	-	-	-
	SGC-040721-22 (southeast green)	4	0.32	-	-	-	-
	SGC-040721-23 (east green)	4	1.3	-	-	-	-
Hole 11	SGC-040721-24 (south green)	4	0.083	-	-	-	-
	SGC-040721-25 (south central green)	4	0.047	-	-	-	-
	SGC-040721-26 (central green)	4	26	-	-	-	-
	SGC-040721-27 (north central green)	4	2	-	-	-	-
	SGC-040721-28 (central green)	4	3	-	-	_	-
	SGC-040721-29 (central green)	4	7.6	_		_	_
	SGC-040721-30 (central green)	4	0.48	_	_	_	-
Hole 9	SGC-040721-31 (central green)	4	0.066	_	_	_	-
	SGC-040721-31 (central green)	4	22				
	SGC-040721-32 (west central green)	4	30	-	<u> </u>	-	
	`	6	30	-			
	SGC-040721-34 (east central green)			-	-	-	-
	SGC-040721-35 (east central green)	6	0.24	-	-	-	-
Hole 5	SGC-040721-36 (east green)	4	0.87	-	-	-	-
	SGC-040721-37 (southeast green)	4	1.8	-	-	-	-
	SGC-040721-38 (central green)	4	7	-	-	-	-
	SGC-040721-39 (northeast green)	4	0.38	-	-	-	-
	SGC-042221-40 (north green)	18	-	ND	-	-	-
Hole 9	SGC-042221-41 (north green)	12	-	ND	-	-	-
Hole y	SGC-042221-42 (northwest green)	18	-	ND	-	-	-
	SGC-042221-43 (northwest green)	12	-	0.23	-	ı	-
	SGC-042221-44 (southeast green)	18	-	ND	-	-	-
II.1. F	SGC-042221-45 (east central green)	12	-	ND	-	-	-
Hole 5	SGC-042221-46 (central green)	18	-	0.033	-	-	-
	SGC-042221-47 (central green)	12	-	0.029	-	-	-
	SGC-042221-48 (east central green)	18	-	0.054	-	_	-
	SGC-042221-49 (east central green)	12	-	0.024		_	-
Hole 4	SGC-042221-50 (north central green)	18	-	ND	-	_	_
	SGC-042221-50 (north green)	12	<u> </u>	ND	-	<u> </u>	<u> </u>
MTCAN	Method A Cleanup Level for Mercury in m			1110	2		<u> </u>
WITCAN	iction were in the state of the	ıg/ IXg					

			4/07/2021	4/22/2021	4/20/2021	06/16/2021	09/04/2021
		Sample	4/07/2021	4/22/2021	4/29/2021	06/16/2021 Management	08/04/2021
Location	Sample Number and Area	Depth	Mercury	Mercury	Mercury	Mercury	Mercury
		(in)	Confirmatory Sample	Confirmatory Sample	Confirmatory Sample	Confirmatory Sample	Confirmatory Sample
	SGC-042221-52 (central green)	18	Sample -	0.091	Sample	Sample	Sample
	SGC-042221-52 (central green) SGC-042221-53 (central green)	12	<u>-</u>	0.091 ND	-	-	-
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	18		ND ND	-	-	-
Hole 8	SGC-042221-54 (east central green)	12	-		-	-	-
	SGC-042221-55 (east central green)		-	0.028	-	-	-
	SGC-042221-56 (northeast green)	18 12	-	ND	-	-	-
	SGC-042221-57 (northeast green)		-	ND	-	-	-
	SGC-042221-58 (central green)	18	-	ND	-	-	-
	SGC-042221-59 (central green)	12	-	ND	-	-	-
Hole 7	SGC-042221-60 (central green)	18	-	5.7	-	-	-
	SGC-042221-61 (east central green)	12	-	ND	-	-	-
	SGC-042221-62 (north central green)	18	-	ND	-	-	-
	SGC-042221-63 (north green)	12	-	0.028	-	-	-
	SGC-042221-64 (southeast green)	18	-	ND	-	-	-
	SGC-042221-65 (southeast green)	12	-	ND	-	-	-
Hole 11	SGC-042221-66 (east central green)	18	-	0.048	-	-	-
	SGC-042221-67 (east central green)	12	-	0.031	-	-	-
	SGC-042221-68 (central green)	18	-	ND	-	-	-
	SGC-042221-69 (central green)	12	-	0.18	-	-	-
	SGC-042221-70 (east central green)	18	-	ND	-	-	-
Hole 9	SGC-042221-71 (east central green)	12	-	0.035	-	-	-
	SGC-042221-72 (east central green)	18	-	0.033	-	-	-
	SGC-042221-73 (central green)	12	-	0.47	-	-	-
	SGC-042921-74 (south central greeen)	24	-	-	ND	-	-
Hole 7	SGC-042921-75 (south central green)	24	-	-	ND	-	-
	SGC-042921-76 (south central green)	24	-	-	ND	-	-
	SGC-061621-77 (central green)	18	-	-	-	ND	-
	SGC-061621-78 (east central green)	18	-	-	-	ND	-
Hole 2	SGC-061621-79 (east green)	18	-	-	-	0.035	-
11010 2	SGC-061621-80 (southeast green)	18	-	-	-	0.057	-
	SGC-061621-81 (central green)	18	-	-	-	0.53	-
	SGC-061621-82 (north central green)	18	-	-	-	ND	-
	SGC-061621-83 (south central green)	18	-	-	-	ND	-
	SGC-061621-84 (southeast green)	18	-	-	-	ND	-
Hole 10	SGC-061621-85 (southeast green)	18	-	-	-	0.2	-
Tiole to	SGC-061621-86 (south greeen)	18	-	-	-	0.068	-
	SGC-061621-87 (west central green)	18	-	-	-	ND	-
	SGC-061621-88 (central green)	18	-	-	-	ND	1
	SGC-080421-89 (southeast green)	18	-	-	-	-	0.095
	SGC-080421-90 (southeast green)	18	-	-	-	-	0.11
Hala 17	SGC-080421-91 (southeast green)	18	-	-	-	-	ND
Hole 17	SGC-080421-92 (south green)	18	-	-	-	-	ND
	SGC-080421-93 (central green)	18	-	-	-	-	ND
	SGC-080421-94 (east central green)	18	-	-	-	-	ND
	SGC-080421-95 (central green)	18	-	-	-	-	ND
	SGC-080421-96 (central green)	18	-	-	-	-	ND
11.1.2	SGC-080421-97 (east green)	18	-	-	-	-	ND
Hole 3	SGC-080421-98 (south central green)	18	-	-	-	-	ND
	SGC-080421-99 (west green)	18	-	-	-	-	ND
	SGC-080421-100 (north central green)	18	-	-	-	-	ND
MTCA I	Method A Cleanup Level for Mercury in n			1	2	1	
	v						



APPENDIX E

Laboratory Analytical Results



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14312-1

Client Project/Site: Sundance Phase II Soil/192860.01

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

tandu trington

Authorized for release by: 12/10/2020 5:23:55 PM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

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Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Job ID: 590-14312-1

Job ID: 590-14312-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/3/2020 1:30 PM; the samples arrived in good condition.

Metals

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

General Chemistry

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

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Sample Summary

Client: Fulcrum Environmental

590-14312-20

Project/Site: Sundance Phase II Soil/192860.01

SD-120320-20

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-14312-1	SD-120320-01	Solid	12/03/20 10:30	12/03/20 13:30	
590-14312-2	SD-120320-02	Solid	12/03/20 11:41	12/03/20 13:30	
590-14312-3	SD-120320-03	Solid	12/03/20 11:37	12/03/20 13:30	
590-14312-4	SD-120320-04	Solid	12/03/20 12:07	12/03/20 13:30	
590-14312-5	SD-120320-05	Solid	12/03/20 12:25	12/03/20 13:30	
590-14312-6	SD-120320-06	Solid	12/03/20 12:20	12/03/20 13:30	
590-14312-7	SD-120320-07	Solid	12/03/20 11:50	12/03/20 13:30	
590-14312-8	SD-120320-08	Solid	12/03/20 12:00	12/03/20 13:30	
590-14312-9	SD-120320-09	Solid	12/03/20 12:11	12/03/20 13:30	
590-14312-10	SD-120320-10	Solid	12/03/20 10:11	12/03/20 13:30	
590-14312-11	SD-120320-11	Solid	12/03/20 11:04	12/03/20 13:30	
590-14312-12	SD-120320-12	Solid	12/03/20 11:10	12/03/20 13:30	
590-14312-13	SD-120320-13	Solid	12/03/20 11:30	12/03/20 13:30	
590-14312-14	SD-120320-14	Solid	12/03/20 11:20	12/03/20 13:30	
590-14312-15	SD-120320-15	Solid	12/03/20 10:51	12/03/20 13:30	
590-14312-16	SD-120320-16	Solid	12/03/20 10:45	12/03/20 13:30	
590-14312-17	SD-120320-17	Solid	12/03/20 11:15	12/03/20 13:30	
590-14312-18	SD-120320-18	Solid	12/03/20 10:24	12/03/20 13:30	
590-14312-19	SD-120320-19	Solid	12/03/20 10:35	12/03/20 13:30	

Solid

12/03/20 11:55 12/03/20 13:30

Job ID: 590-14312-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-14312-1

Project/Site: Sundance Phase II Soil/192860.01

Glossary

 Abbreviation
 These commonly used abbreviations may or may not be present in this report.

 Image: Listed under the "D" column to designate that the result is reported on a dry weight basis

 Image: Writing the state of the "D" column to designate that the result is reported on a dry weight basis

 Image: Writing the state of the state of

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)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive 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)

TNTC Too Numerous To Count

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Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-01

Date Collected: 12/03/20 10:30

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-1

Matrix: Solid

Percent Solids: 85.3

Method: 6010D - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10	0.99	mg/Kg	<u></u>	12/08/20 08:55	12/09/20 12:18	1
Lead	6.9	2.4	mg/Kg	☼	12/08/20 08:55	12/09/20 12:18	1

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Analyzed Dil Fac 40 12/08/20 08:57 12/08/20 15:08 Hg ND ug/Kg

Client Sample ID: SD-120320-02 Lab Sample ID: 590-14312-2

Date Received: 12/03/20 13:30

Date Collected: 12/03/20 11:41 Matrix: Solid Percent Solids: 76.4

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL MDL Unit ח Prepared Analyzed Dil Fac 1.0 12/08/20 08:55 12/09/20 12:41 **Arsenic** 6.5 mg/Kg 5.8 2.4 mg/Kg 12/08/20 08:55 12/09/20 12:41 Lead

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg ND 36 12/08/20 08:57 12/08/20 15:17 ug/Kg

Client Sample ID: SD-120320-03

Lab Sample ID: 590-14312-3 Date Collected: 12/03/20 11:37 **Matrix: Solid** Date Received: 12/03/20 13:30 Percent Solids: 85.7

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 1.1 mg/Kg 12/08/20 08:55 12/09/20 12:45 **Arsenic** 9.6 12/08/20 08:55 12/09/20 12:45 Lead 13 2.7 mg/Kg

Method: 7471B - Mercury (CVAA) Result Qualifier **MDL** Unit Analyte RL Prepared Analyzed <u>12/08/20 08:57</u> <u>12/08/20 15:19</u> ND 41 Hg ug/Kg

Lab Sample ID: 590-14312-4 Client Sample ID: SD-120320-04

Date Collected: 12/03/20 12:07 Matrix: Solid Date Received: 12/03/20 13:30 Percent Solids: 72.4

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 1.2 12/08/20 08:55 12/09/20 13:01 **Arsenic** 13 mg/Kg 2.8 mg/Kg 12/08/20 08:55 12/09/20 13:01 Lead 18

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg 5200 300 ug/Kg 12/08/20 08:57 12/08/20 16:33

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-05

Date Collected: 12/03/20 12:25

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-5

Matrix: Solid

Job ID: 590-14312-1

Percent Solids: 81.0

Method: 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		1.0		mg/Kg	<u></u>	12/08/20 08:55	12/09/20 13:05	1
Lead	5.8		2.5		mg/Kg	☼	12/08/20 08:55	12/09/20 13:05	1

Method: 7471B - Mercury (CVA	A)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND	38	ug/Kg		12/08/20 08:57	12/08/20 15:25	1

Client Sample ID: SD-120320-06

Date Collected: 12/03/20 12:20 Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-6 **Matrix: Solid** Percent Solids: 90.1

Method: 6010D - Metals (ICP)									
Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.9		1.9		mg/Kg	₩	12/08/20 08:55	12/09/20 14:19	2
Lead	9.1		4.6		mg/Kg	≎	12/08/20 08:55	12/09/20 14:19	2
Method: 7471B - Mercury (CVAA)								

	Method: 7471B - Mercury (CVA)	A)								
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Hg	ND		43		ug/Kg		12/08/20 08:57	12/08/20 15:32	1

Client Sample ID: SD-120320-07

Date Received: 12/03/20 13:30

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-7 Date Collected: 12/03/20 11:50 **Matrix: Solid** Percent Solids: 86.4

Method: 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13		0.93		mg/Kg	<u></u>	12/08/20 08:55	12/09/20 13:13	1
Lead	18		2.2		mg/Kg	₩	12/08/20 08:55	12/09/20 13:13	1

Method: 7471B - Mercury (CVAA))								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	6900		400		ug/Kg		12/08/20 08:57	12/08/20 16:28	10

Client Sample ID: SD-120320-08 Lab Sample ID: 590-14312-8 Date Collected: 12/03/20 12:00 **Matrix: Solid**

Method: 6010D - Metals (ICP) Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.8		1.1		mg/Kg		12/08/20 08:55	12/09/20 13:17	1
Lead	12		2.6		mg/Kg	₩	12/08/20 08:55	12/09/20 13:17	1

Method: 7471B - Mercury (CVA	A)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND —	42	ug/Kg		12/08/20 08:57	12/08/20 15:39	1

Percent Solids: 88.7

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-09

Date Collected: 12/03/20 12:11

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-9

Matrix: Solid Percent Solids: 89.7

Method: 6010D - Metals (ICP)									
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.1		1.8		mg/Kg		12/08/20 08:55	12/09/20 14:23	2
Lead	12		4.3		mg/Kg	₩	12/08/20 08:55	12/09/20 14:23	2

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RLMDL Unit Analyzed Dil Fac 41 12/08/20 08:57 12/08/20 15:41 Hg ND ug/Kg

Client Sample ID: SD-120320-10 Lab Sample ID: 590-14312-10

Date Received: 12/03/20 13:30

Date Collected: 12/03/20 10:11 **Matrix: Solid** Percent Solids: 88.6

Method: 6010D - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.0	1.9		mg/Kg		12/08/20 08:55	12/09/20 14:27	2
Lead	11	4.7		mg/Kg	≎	12/08/20 08:55	12/09/20 14:27	2
Mothodi 7474P Moroumi (C)/AA	١							

Result Qualifier RL **MDL** Unit **Prepared** Analyte Analyzed Dil Fac Hg ND 43 ug/Kg 12/08/20 08:57 12/08/20 15:43

Client Sample ID: SD-120320-11 Lab Sample ID: 590-14312-11

Date Received: 12/03/20 13:30

Date Received: 12/03/20 13:30

Date Collected: 12/03/20 11:04 **Matrix: Solid** Percent Solids: 80.2

Method: 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.1		1.0		mg/Kg		12/08/20 08:55	12/10/20 11:01	1
Lead	13		4.8		mg/Kg	≎	12/08/20 08:55	12/09/20 14:43	2

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier **MDL** Unit RL Prepared Analyzed 37 12/08/20 08:57 12/08/20 15:46 ug/Kg Hg 100

Lab Sample ID: 590-14312-12 Client Sample ID: SD-120320-12 Date Collected: 12/03/20 11:10 Matrix: Solid

Method: 6010D - Metals (ICP)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7	0.97	mg/Kg	<u></u>	12/08/20 08:55	12/10/20 11:05	1
Lead	9.3	4.7	mg/Kg	₩	12/08/20 08:55	12/09/20 14:47	2

Method: 7471B - Mercury (CVA	A)								
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		45		ug/Kg		12/08/20 08:57	12/08/20 15:48	1

Percent Solids: 91.4

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-13

Date Collected: 12/03/20 11:30

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-13

Matrix: Solid

Lab Sample ID: 590-14312-14

Percent Solids: 83.5

Job ID: 590-14312-1

Method: 6010D -	Metals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.7		1.2		mg/Kg	<u></u>	12/08/20 08:55	12/09/20 13:36	1
Lead	4.0		2.8		mg/Kg	₽	12/08/20 08:55	12/09/20 13:36	1

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RLMDL Unit Analyzed Dil Fac 12/08/20 08:57 12/08/20 15:50 Hg ND 41 ug/Kg

RL

2.1

RL

40

RL

1.0

2.5

RL

38

RL

1.1

2.5

0.89

MDL Unit

MDL Unit

MDL

MDL Unit

mg/Kg

mg/Kg

ug/Kg

Unit

mg/Kg

mg/Kg

ug/Kg

D

D

Prepared

12/08/20 08:55

12/08/20 08:55

Prepared

Prepared

Prepared

Result Qualifier

Result Qualifier

Result Qualifier

Result Qualifier

Result Qualifier

14

11

8.8

6.3

ND

11

12

ND

Client Sample ID: SD-120320-14

Date Collected: 12/03/20 11:20

Date	Received:	12/03/20	13:30
_			

_
Method: 6010D - Metals (ICP)
Analyte

Analyte	
Arsenic	
Lead	

2044
-
Method: 7471B - Mercury (CVAA)
Amalusta

Analyte		
Hg		

Client Sample ID: SD-120320-15

Date Collected: 12/03/20 10:51

Date	Received:	12/03/20	13:30
_			

wethoa:	6010D - Metais	(ICP)
Analyte		
1 -		

Analyte	
Arsenic	

Lead

_	
Method: 7471B - Mercury	(CVAA)

Method: /4/18 - Mercury (CVAA)
Analyte
Hg

Client Sample ID: SD-120320-16

Date Collected: 12/03/20 10:45 D

ate	Received:	12/03/20	13:30

Method:	6010D	-	Metals	(ICP)
Analyte				

, , to	
Arsenic	
7.11.001.11.0	
Lead	

Method:	7471B	- Mercury	(CVAA)
A I 4 .			

Analyte	,	,	Result	Qualifier
Hg			110	

RL	MDL	Unit	
37		ug/Kg	

MDL Unit

mg/Kg

mg/Kg

D

12/08/20 08:57 12/08/20 16:02

Prepared

12/08/20 08:55

Analyzed Dil Fac

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Matrix: Solid

Percent Solids: 88.1

Matrix: Solid

Percent Solids: 82.6

Percent Solids: 90.7

Analyzed

12/09/20 13:52

12/09/20 13:52

Analyzed

Analyzed

Analyzed

Analyzed

12/09/20 13:59

12/08/20 08:57 12/08/20 15:52

12/08/20 08:55 12/09/20 13:56

12/08/20 08:55 12/09/20 13:56

12/08/20 08:57 12/08/20 15:55

12/08/20 08:55 12/09/20 13:59

Lab Sample ID: 590-14312-16

Lab Sample ID: 590-14312-15

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-17

Lab Sample ID: 590-14312-17 Date Collected: 12/03/20 11:15

Matrix: Solid

Date Received: 12/03/20 13:30 Percent Solids: 79.2

Method: 6010D - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.8		1.0		mg/Kg	<u></u>	12/08/20 08:55	12/09/20 14:03	1
Lead	5.9		2.5		mg/Kg	☼	12/08/20 08:55	12/09/20 14:03	1
_									

Method: 7471B - Mercury (CVA	A)							
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND	37		ug/Kg	_	12/08/20 08:57	12/08/20 16:04	1

Lab Sample ID: 590-14312-18 Client Sample ID: SD-120320-18

Date Collected: 12/03/20 10:24 Matrix: Solid Date Received: 12/03/20 13:30 Percent Solids: 82.3

Method: 6010D - Metals (ICP)									
Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		1.1		mg/Kg	₩	12/08/20 08:55	12/09/20 14:07	1
Lead	6.6		2.6		mg/Kg	₩	12/08/20 08:55	12/09/20 14:07	1
Mathada 7474D Managara (OVA A									

Method: /4/1B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		38		ug/Kg		12/08/20 08:57	12/08/20 16:06	1

Client Sample ID: SD-120320-19 Lab Sample ID: 590-14312-19

Date Collected: 12/03/20 10:35 **Matrix: Solid** Date Received: 12/03/20 13:30 Percent Solids: 91.1

Method: 6010D - Metals (ICP)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.5	0.87		mg/Kg	<u></u>	12/08/20 08:55	12/10/20 11:09	1
Lead	10	4.2		mg/Kg	₩	12/08/20 08:55	12/09/20 14:51	2
Method: 7471B - Mercury (CVA	. A)							

Method. 141 ID - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		40		ug/Kg		12/08/20 08:57	12/08/20 16:14	1

Lab Sample ID: 590-14312-20 Client Sample ID: SD-120320-20 Date Collected: 12/03/20 11:55 **Matrix: Solid** Date Received: 12/03/20 13:30 Percent Solids: 87.2

Method: 6010D - Metals	s (ICP)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12	1.1	mg/Kg	— <u></u>	12/08/20 08:55	12/09/20 14:15	1
Lead	10	2.6	mg/Kg	₽	12/08/20 08:55	12/09/20 14:15	1

Method: 74716 - Mercury (CVAA)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	7600	400	ug/Kg		12/08/20 08:57	12/08/20 16:30	10

Job ID: 590-14312-1

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-29898/2-A

Analysis Batch: 29927

Client Sample ID: Method Blank **Matrix: Solid Prep Type: Total/NA** Prep Batch: 29898 MR MR

	141.0	1410							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3		mg/Kg		12/08/20 08:54	12/09/20 12:14	1
Lead	ND		3.0		mg/Kg		12/08/20 08:54	12/09/20 12:14	1

Client Sample ID: Lab Control Sample Lab Sample ID: LCS 590-29898/1-A **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 29927** Prep Batch: 29898 Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit %Rec Limits Arsenic 100 99.2 mg/Kg 99 80 - 120 50.0 56.7 80 - 120 Lead mg/Kg 113

Lab Sample ID: 590-14312-1 MS Client Sample ID: SD-120320-01 **Matrix: Solid Prep Type: Total/NA Analysis Batch: 29927** Prep Batch: 29898 Sample Sample Spike MS MS %Rec.

Result Qualifier Added Result Qualifier %Rec Limits Analyte D Unit Arsenic 10 117 124 ₩ 97 75 - 125 mq/Kq Lead 6.9 58 6 67 4 103 75 - 125 mg/Kg

Lab Sample ID: 590-14312-1 MSD Client Sample ID: SD-120320-01 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 29927** Prep Batch: 29898 Spike MSD MSD **RPD** Sample Sample %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 117 Arsenic 10 127 mg/Kg 70 99 75 - 125 2 20

Lab Sample ID: 590-14312-1 DU Client Sample ID: SD-120320-01 **Matrix: Solid Prep Type: Total/NA**

67.8

58.6

Analysis Batch: 29927 Prep Batch: 29898 DU DU Sample Sample Analyte Result Qualifier Result Qualifier Unit D **RPD** Limit Arsenic 10 9.74 mg/Kg ₩ 20 6.9 6.16 mg/Kg

Method: 7471B - Mercury (CVAA)

Lead

Lead

Lab Sample ID: MB 590-29899/9-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 29916

6.9

MB MB Result Qualifier RL **MDL** Unit Dil Fac Analyte Prepared Analyzed 50 12/08/20 08:57 12/08/20 15:05 Hg ND ug/Kg

Lab Sample ID: LCS 590-29899/8-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 29916** Prep Batch: 29899 Spike LCS LCS %Rec. Added Result Qualifier Limits **Analyte** Unit %Rec Hg 200 199 ug/Kg 100 80 - 120

Eurofins TestAmerica, Spokane

20

20

11

Prep Batch: 29899

104

Ö

mg/Kg

75 - 125

QC Sample Results

Client: Fulcrum Environmental Job ID: 590-14312-1

Project/Site: Sundance Phase II Soil/192860.01

Hg

Method: 7471B - Mercury (CVAA) (Continued)

ND

Lab Sample ID: 590-14312-1 MS						Cli	ent Sam	nple ID: SD-120320-01
Matrix: Solid								Prep Type: Total/NA
Analysis Batch: 29916								Prep Batch: 29899
Sam	le Sample	Spike	MS	MS				%Rec.
Analyte Res	ult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits

166

ug/Kg

103

80 - 120

161

Lab Sample ID: 590-14312- Matrix: Solid Analysis Batch: 29916	1 MSD						Clie	ent San	nple ID: SI Prep Ty _l Prep B	pe: Tot	al/NA
•	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Hg	ND		161	171		ug/Kg		106	80 - 120	3	20

L		ND		101	171		ug/Kg	106	60 - 120	3	20	
	Lab Sample ID: 590-14312-1 Matrix: Solid Analysis Batch: 29916	DU						Client Sa	Prep Ty		al/NA	
		Sample	Sample		DU	DU					RPD	
	Analyte	Result	Qualifier		Result	Qualifier	Unit	D		RPD	Limit	
	Hg	ND			ND		ug/Kg			NC	20	

3

4

6

9

10

11

46

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-01

Date Collected: 12/03/20 10:30

Lab Sample ID: 590-14312-1

Matrix: Solid

Job ID: 590-14312-1

Date Received: 12/03/20 13:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:08	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:42	AMB	TAL SPK

Client Sample ID: SD-120320-01

Date Collected: 12/03/20 10:30

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-1

Lab Sample ID: 590-14312-2

Lab Sample ID: 590-14312-3

Matrix: Solid Percent Solids: 85.3

Matrix: Solid

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.48 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 12:18	JSP	TAL SPK

Client Sample ID: SD-120320-02

Date Collected: 12/03/20 11:41

Date Received: 12/03/20 13:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.69 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:17	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-02

Date Collected: 12/03/20 11:41

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-2
Matrix: Solid
Percent Solids: 76.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.62 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 12:41	JSP	TAL SPK

Client Sample ID: SD-120320-03

Date Collected: 12/03/20 11:37

Date Received: 12/03/20 13:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:19	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Lab Sample ID: 590-14312-3
Matrix: Solid
Percent Solids: 85.7

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.29 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 12:45	JSP	TAL SPK

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-04

Date Collected: 12/03/20 12:07

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-4

Matrix: Solid

Job ID: 590-14312-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.84 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		10			29916	12/08/20 16:33	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-04

Date Collected: 12/03/20 12:07

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-4

Matrix: Solid

Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.48 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:01	JSP	TAL SPK

Initial

0.65 g

Dil

1

Factor

Run

Client Sample ID: SD-120320-05

Batch

Type

Prep

Analysis

Analysis

Batch

7471B

7471B

Moisture

Method

Date Collected: 12/03/20 12:25

Date Received: 12/03/20 13:30

Prep Type

Total/NA

Total/NA

Total/NA

Lab Sample ID: 590-14312-5 **Matrix: Solid**

Final Batch Prepared Amount Amount Number or Analyzed Analyst Lab 29899 12/08/20 08:57 AMB TAL SPK 50 mL 29916 12/08/20 15:25 AMB TAL SPK

12/04/20 13:54 AMB

29885

Client Sample ID: SD-120320-05

Date Collected: 12/03/20 12:25

Date Received: 12/03/20 13:30

Lab Sample	ID:	590-14312-5
		Matrix: Solid

Percent Solids: 81.0

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.47 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:05	JSP	TAL SPK

Client Sample ID: SD-120320-06

Date Collected: 12/03/20 12:20

Date Received: 12/03/20 13:30

Lab	Sample	ID:	590-14312-6

Matrix: Solid

TAL SPK

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.58 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:32	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-06

Date Collected: 12/03/20 12:20

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-6 **Matrix: Solid** Percent Solids: 90.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.45 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		2			29927	12/09/20 14:19	JSP	TAL SPK

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-07

Date Collected: 12/03/20 11:50 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-7

Matrix: Solid

Job ID: 590-14312-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		10			29916	12/08/20 16:28	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-07

Date Collected: 12/03/20 11:50 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-7

Matrix: Solid

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.56 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:13	JSP	TAL SPK

Client Sample ID: SD-120320-08

Date Collected: 12/03/20 12:00 Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-8

Lab Sample ID: 590-14312-9

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.59 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:39	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-08

Date Collected: 12/03/20 12:00 Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-8 Matrix: Solid Percent Solids: 88.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.29 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:17	JSP	TAL SPK

Client Sample ID: SD-120320-09

Date Collected: 12/03/20 12:11

Date Received: 12/03/20 13:30

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:41	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-09

Date Collected: 12/03/20 12:11

Lab Sample ID: 590-14312-9 **Matrix: Solid** Date Received: 12/03/20 13:30 Percent Solids: 89.7

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B	- 		1.57 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		2			29927	12/09/20 14:23	JSP	TAL SPK

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-10

Date Collected: 12/03/20 10:11 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-10

Matrix: Solid

Job ID: 590-14312-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.58 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:43	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-10

Date Collected: 12/03/20 10:11 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-10

Matrix: Solid Percent Solids: 88.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.45 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		2			29927	12/09/20 14:27	JSP	TAL SPK

Client Sample ID: SD-120320-11

Date Collected: 12/03/20 11:04

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-11 **Matrix: Solid**

Lab Sample ID: 590-14312-11

Lab Sample ID: 590-14312-12

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.68 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:46	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-11

Date Collecte Date Receive								Р		olids: 80.2	
_	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
T-4-1/NIA		00500			4.55		20000	40/00/00 00 55	A B 4 D	TAL OBK	

Total/NA Prep 3050B 29898 12/08/20 08:55 AMB TAL SPK 1.55 g 50 mL Total/NA 6010D 2 29927 12/09/20 14:43 JSP TAL SPK Analysis Total/NA Prep 3050B 1.55 g 50 mL 29898 12/08/20 08:55 AMB TAL SPK Total/NA Analysis 6010D 1 29953 12/10/20 11:01 JSP TAL SPK

Client Sample ID: SD-120320-12

Date Collected: 12/03/20 11:10

Date Received: 12/03/20 13:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.56 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:48	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Eurofins TestAmerica, Spokane

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-12

Date Collected: 12/03/20 11:10 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-12

Matrix: Solid

Percent Solids: 91.4

Job ID: 590-14312-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.41 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		2			29927	12/09/20 14:47	JSP	TAL SPK
Total/NA	Prep	3050B			1.41 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29953	12/10/20 11:05	JSP	TAL SPK

Client Sample ID: SD-120320-13

Date Collected: 12/03/20 11:30 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-13

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:50	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-13

Date Collected: 12/03/20 11:30

Lab Sample ID: 590-14312-13

Matrix: Solid

Date Received: 12/03/20 13:30 Percent Solids: 83.5

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.29 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:36	JSP	TAL SPK

Client Sample ID: SD-120320-14

Date Collected: 12/03/20 11:20

Date Received: 12/03/20 13:30

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 15:52	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-14

Date Collected: 12/03/20 11:20

Date Received: 12/03/20 13:30

Lab	Sample	ID:	59	0-1	431	12-1	4

Lab Sample ID: 590-14312-15

12/08/20 15:55 AMB

29916

Matrix: Solid Percent Solids: 90.7

Matrix: Solid

TAL SPK

12/10/2020

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.54 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:52	JSP	TAL SPK

Client Sample ID: SD-120320-15

Analysis

7471B

Date Collected: 12/03/20 10:51

Date Received: 12/03/20 13:30

Total/NA

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.65 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK

Eurofins TestAmerica, Spokane

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Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-15

Date Collected: 12/03/20 10:51

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-15

Matrix: Solid

Job ID: 590-14312-1

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Į	Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-15

Date Collected: 12/03/20 10:51 Date Received: 12/03/20 13:30 Lab Sample ID: 590-14312-15

Matrix: Solid Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.46 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:56	JSP	TAL SPK

Client Sample ID: SD-120320-16

Date Collected: 12/03/20 10:45 Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.68 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 16:02	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-16

Date Collected: 12/03/20 10:45 Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-16 **Matrix: Solid**

Lab Sample ID: 590-14312-17

Percent Solids: 88.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.34 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 13:59	JSP	TAL SPK

Client Sample ID: SD-120320-17

Date Collected: 12/03/20 11:15

Date Received: 12/03/20 13:30

Lab Sample ID: 590-14312-17
Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.67 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		1			29916	12/08/20 16:04	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Client Sample ID: SD-120320-17

Date Collected: 12/03/20 11:15

Matrix: Solid Date Received: 12/03/20 13:30 Percent Solids: 79.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.51 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 14:03	JSP	TAL SPK

Job ID: 590-14312-1

Matrix: Solid

TAL SPK

Matrix: Solid

Matrix: Solid

Matrix: Solid

Percent Solids: 91.1

Lab Sample ID: 590-14312-18

JSP

Lab Sample ID: 590-14312-19

Lab Sample ID: 590-14312-19

Lab Sample ID: 590-14312-20

12/09/20 14:07

29927

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-18

Date Collected: 12/03/20 10:24

Lab Sample ID: 590-14312-18 **Matrix: Solid** Date Received: 12/03/20 13:30

Batch Dil Initial Batch Batch Final Prepared Number Method Factor or Analyzed **Prep Type** Type Run **Amount** Amount **Analyst** Lab Total/NA 7471B 29899 12/08/20 08:57 AMB TAL SPK Prep 0.65 g 50 mL Total/NA 7471B 29916 12/08/20 16:06 AMB TAL SPK Analysis 1 Total/NA Analysis Moisture 1 29885 12/04/20 13:54 AMB TAL SPK

Client Sample ID: SD-120320-18

Date Collected: 12/03/20 10:24 Date Received: 12/03/20 13:30

Percent Solids: 82.3 **Batch Batch** Dil Initial **Final Batch Prepared Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed **Analyst** Lab 3050B 29898 12/08/20 08:55 TAL SPK Total/NA Prep 1.42 g 50 mL AMB

1

Client Sample ID: SD-120320-19

Analysis

6010D

Date Collected: 12/03/20 10:35 Date Received: 12/03/20 13:30

Total/NA

Batch Batch Dil Initial Final **Batch** Prepared Method Number **Prep Type** Type Run **Factor** Amount Amount or Analyzed Analyst Lab 12/08/20 08:57 Total/NA 7471B 29899 TAL SPK Prep 0.63 g 50 mL AMB Total/NA Analysis 7471B 29916 12/08/20 16:14 AMB TAL SPK Total/NA Analysis Moisture 1 29885 12/04/20 13:54 AMB TAL SPK

Client Sample ID: SD-120320-19

Date Collected: 12/03/20 10:35 Date Received: 12/03/20 13:30

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Type Method **Factor Amount** Amount Number or Analyzed Run Analyst Lab Total/NA Prep 3050B 29898 12/08/20 08:55 AMB TAL SPK 1.58 g 50 mL Total/NA 2 Analysis 6010D 29927 12/09/20 14:51 JSP TAL SPK Total/NA Prep 3050B 1.58 g 50 mL 29898 12/08/20 08:55 AMB TAL SPK Total/NA Analysis 6010D 1 29953 12/10/20 11:09 JSP TAL SPK

Client Sample ID: SD-120320-20

Date Collected: 12/03/20 11:55 Date Received: 12/03/20 13:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	50 mL	29899	12/08/20 08:57	AMB	TAL SPK
Total/NA	Analysis	7471B		10			29916	12/08/20 16:30	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			29885	12/04/20 13:54	AMB	TAL SPK

Lab Chronicle

Client: Fulcrum Environmental Job ID: 590-14312-1

Project/Site: Sundance Phase II Soil/192860.01

Client Sample ID: SD-120320-20

Lab Sample ID: 590-14312-20 Date Collected: 12/03/20 11:55 **Matrix: Solid**

Date Received: 12/03/20 13:30 Percent Solids: 87.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.34 g	50 mL	29898	12/08/20 08:55	AMB	TAL SPK
Total/NA	Analysis	6010D		1			29927	12/09/20 14:15	JSP	TAL SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Job ID: 590-14312-1

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	P	rogram	Identification Number	Expiration Date
Washington		tate	C569	01-06-21
The following analyte the agency does not	•	ort, but the laboratory is n	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
Analysis Method Moisture	Prep Method	Matrix Solid	Analyte Percent Moisture	

Method Summary

Client: Fulcrum Environmental

Project/Site: Sundance Phase II Soil/192860.01

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
7471B	Mercury (CVAA)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK
7471B	Preparation, Mercury	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Job ID: 590-14312-1

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THE LEADER IN ENVIRONMENTAL TESTING

CLIENT: Hulurum Environmental

Consulting, Inc

INVOICE TO:

Fullerun

Scott Growt

Spolure, WA 997201

SAMPLED BY: Travis Thent

CLIENT SAMPLE IDENTIFICATION

SAMPLING DATE/TIME

Asenic

50-120320-01

143/20

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702 103

-05

no

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6 8

590-14312 Chain of Custody

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-07 106

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121 1200

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101

104

PROJECT NUMBER: 1928 60,01

PHONE (509)459-9220 FAX:

P.O. NUMBER:

PRESERVATIVE

REQUESTED ANALYSES

(W, S, O)

OF

COMMENTS

TA

Page 23 of 25

Turnaround Requests less than star

dard may incur Rush Charges

OTHER Specify

STD.

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Petroleum Hydrocarbon Analyses 4 3 2 1

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ADDRESS: REPORT TO:

PROJECT NAME: Sundance Phase 11 Soil

CHAIN OF CUSTODY REPORT

Work Order #:

TURNAROUND REQUEST

in Business Days *

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

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

-0 FAX 924-9290 FAX 966-9210

TAL-1000 (0714)

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DATE TIME

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DATE 12/3/20

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TIME DATE

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TEMP:

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FIRM

ADDITIONAL REMARKS:

estAmerico

THE LEADER IN ENVIRONMENTAL TESTING

REPORT TO:

PHONE

CHAIN OF CUSTODY REPORT

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

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

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

12/10/2020

CLIENT: FLICOMON PROJECT NUMBER: 192860 . 01 SAMPLED BY: Trowis Thent PROJECT NAME: Kinney Sundame Ph 11 Soi 80-120320-11 CLIENT SAMPLE IDENTIFICATION HMANDA BIONDI a. Brondi Swoth Groat 15 1 1 19 118 4 ニ 3 2/03/20 SAMPLING DATE/TIME 1024 1130 3 0111 1035 2 1501 500 HOLL 1155 FIRM Hulaum 8 X 6 8 8 Arsenic 8 8 8 6 P.O. NUMBER: INVOICE TO: DATE TIME DATE TIME Hileman 12/3/20 1330 REQUESTED ANALYSES PRESERVATIVE PRINT NAME RECEIVED BY PRINT NAME RECEIVED BY: SAMO! Work Order #: (W, S, O) Turnaround Requests less than standard may incur Rush Charges CA FIRM 7 5 STD. OTHER Specify TURNAROUND REQUEST Organic & Inorganic Analyses # OF Petroleum Hydrocarbon Analyses 4 in Business Days * 4 3 2 3 2 1 <1 COMMENTS TEMP: DATE TIME DATE 12/3/20 TIME TAL-1000 (0714) PAGE COF 138 WOID ^ Page 24 of 25

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RELEASED BY:

RELEASED BY PRINT NAME

ADDITIONAL REMARKS:

Job Number: 590-14312-1

Login Number: 14312

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
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?	N/A	
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	No analysis requiring residual chlorine check assigned.



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14383-1

Client Project/Site: Kinney Sundance Mercruy Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 12/22/2020 5:07:38 PM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

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www.eurofinsus.com/Env

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

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

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Definitions	6
Client Sample Results	7
QC Sample Results	16
Chronicle	19
Certification Summary	31
Method Summary	32
Chain of Custody	33
Receipt Checklists	49

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/17/2020 4:24 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 4.1° C.

Receipt Exceptions

The collection times for multiple samples did not match the collection times on the COC. The client was contacted the laboratory was instructed to log the samples in according to the COC.

The following samples were submitted for analysis; however, they were not listed on the Chain-of-Custody (COC): SGC-121620-67.02 (590-14383-143), SGC-121620-67.03 (590-14383-144) and SGC-121620-68.01 (590-14383-145). The samples were logged in with a collection date of 12/17/20 but no collection time was available.

Metals

Method 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-30040 and 590-30041 and analytical batch 590-30070 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7471B: The sample duplicate (DUP) precision for preparation batch 590-30040 and 590-30042 and analytical batch 590-30070 was outside control limits. Sample matrix interference is suspected.

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.

Job ID: 590-14383-1

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Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-1

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
90-14383-1	SGC-121620-21.01	Solid	12/16/20 15:35	12/17/20 16:24	
90-14383-4	SGC-121620-22.01	Solid	12/16/20 15:37	12/17/20 16:24	
90-14383-7	SGC-121620-23.01	Solid	12/16/20 15:50	12/17/20 16:24	
90-14383-10	SGC-121620-24.01	Solid	12/16/20 15:07	12/17/20 16:24	
90-14383-13	SGC-121620-25.01	Solid	12/16/20 15:17	12/17/20 16:24	
90-14383-16	SGC-121620-25B.01	Solid	12/16/20 15:24	12/17/20 16:24	
90-14383-19	SGC-121620-26.01	Solid	12/16/20 15:32	12/17/20 16:24	
0-14383-22	SGC-121620-27.01	Solid	12/16/20 15:39	12/17/20 16:24	
0-14383-25	SGC-121620-28.01	Solid	12/16/20 15:30	12/17/20 16:24	
0-14383-28	SGC-121620-29.01	Solid	12/16/20 15:36	12/17/20 16:24	
0-14383-31	SGC-121620-30.01	Solid	12/16/20 15:41	12/17/20 16:24	
0-14383-34	SGC-121620-31.01	Solid	12/16/20 15:47	12/17/20 16:24	
0-14383-37	SGC-121620-32.01	Solid	12/16/20 15:53	12/17/20 16:24	
0-14383-40	SGC-121620-33.01	Solid	12/16/20 15:59	12/17/20 16:24	
0-14383-43	SGC-121620-34.01	Solid	12/16/20 16:04	12/17/20 16:24	
0-14383-46	SGC-121620-35.01	Solid	12/17/20 08:45	12/17/20 16:24	
0-14383-49	SGC-121620-36.01	Solid	12/17/20 08:53	12/17/20 16:24	
0-14383-52	SGC-121620-37.01	Solid	12/17/20 08:59	12/17/20 16:24	
0-14383-55	SGC-121620-38.01	Solid	12/17/20 09:07	12/17/20 16:24	
0-14383-58	SGC-121620-39.01	Solid	12/17/20 09:15	12/17/20 16:24	
0-14383-61	SGC-121620-40.01	Solid	12/17/20 09:21	12/17/20 16:24	
0-14383-64	SGC-121620-41.01	Solid	12/17/20 09:30	12/17/20 16:24	
0-14383-67	SGC-121620-42.01	Solid	12/17/20 09:36	12/17/20 16:24	
0-14383-70	SGC-121620-43.01	Solid	12/17/20 09:43	12/17/20 16:24	
0-14383-73	SGC-121620-44.01	Solid	12/17/20 09:53	12/17/20 16:24	
0-14383-76	SGC-121620-45.01	Solid	12/17/20 10:00	12/17/20 16:24	
0-14383-79	SGC-121620-46.01	Solid	12/17/20 10:06	12/17/20 16:24	
0-14383-82	SGC-121620-47.01	Solid	12/17/20 10:13	12/17/20 16:24	
0-14383-85	SGC-121620-48.01	Solid	12/17/20 10:21	12/17/20 16:24	
0-14383-88	SGC-121620-49.01	Solid	12/17/20 10:27	12/17/20 16:24	
0-14383-91	SGC-121620-50.01	Solid	12/17/20 10:33	12/17/20 16:24	
0-14383-94	SGC-121620-51.01	Solid	12/17/20 10:41	12/17/20 16:24	
0-14383-97	SGC-121620-52.01	Solid	12/17/20 10:47	12/17/20 16:24	
0-14383-100	SGC-121620-53.01	Solid	12/17/20 10:53	12/17/20 16:24	
0-14383-103	SGC-121620-54.01	Solid	12/17/20 10:59	12/17/20 16:24	
0-14383-106	SGC-121620-55.01	Solid	12/17/20 11:07	12/17/20 16:24	
0-14383-109	SGC-121620-56.01	Solid	12/17/20 11:14	12/17/20 16:24	
0-14383-112	SGC-121620-57.01	Solid	12/17/20 11:22	12/17/20 16:24	
0-14383-115	SGC-121620-58.01	Solid	12/17/20 11:30	12/17/20 16:24	
0-14383-118	SGC-121620-59.01	Solid	12/17/20 11:37	12/17/20 16:24	
0-14383-121	SGC-121620-60.01	Solid	12/17/20 11:43	12/17/20 16:24	
0-14383-124	SGC-121620-61.01	Solid	12/17/20 11:50	12/17/20 16:24	
0-14383-127	SGC-121620-62.01	Solid	12/17/20 11:58	12/17/20 16:24	
0-14383-130	SGC-121620-63.01	Solid	12/17/20 12:05	12/17/20 16:24	
0-14383-133	SGC-121620-64.01	Solid	12/17/20 12:14	12/17/20 16:24	
0-14383-136	SGC-121620-65.01	Solid	12/17/20 12:22	12/17/20 16:24	
0-14383-139	SGC-121620-66.01	Solid	12/17/20 12:30	12/17/20 16:24	
0-14383-142	SGC-121620-67.01	Solid	12/17/20 12:39	12/17/20 16:24	
0-14383-145	SGC-121620-68.01	Solid	12/17/20 00:00	12/17/20 16:24	
0-14383-148	SGC-121620-69.01	Solid	12/17/20 12:45	12/17/20 16:24	
0-14383-151	SGC-121620-70.01	Solid	12/17/20 12:10	12/17/20 16:24	
0-14383-154	SGC-121620-71.01	Solid	12/17/20 12:16	12/17/20 16:24	

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12/22/2020

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Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Lab Sample ID Client Sample ID Matrix Collected Received Asset ID 590-14383-160 SGC-121620-73.01 Solid 12/17/20 12:28 12/17/20 16:24 590-14383-163 SGC-121620-300.01 Solid 12/17/20 09:14 12/17/20 16:24 12/17/20 12:03 590-14383-166 SGC-121620-301.01 Solid 12/17/20 16:24 590-14383-169 SGC-121620-301.01 Solid 12/17/20 13:14 12/17/20 16:24

Job ID: 590-14383-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-14383-1

Project/Site: Kinney Sundance Mercruy Soil Sampling

Qualifiers

	-		-
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LOQ

MCL MDA

MDC

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
CFU	Colony Forming Unit
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)

Limit of Quantitation (DoD/DOE) EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MLMost Probable Number MPN MQL Method Quantitation Limit Not Calculated NC

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

NEG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Client Sample ID: SGC-121620-21.01

Date Collected: 12/16/20 15:35 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-1

Matrix: Solid

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		42		ug/Kg		12/18/20 10:44	12/21/20 14:25	1

Client Sample ID: SGC-121620-22.01

Date Collected: 12/16/20 15:37 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-4 **Matrix: Solid**

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed Hg ND 44 12/18/20 10:44 12/21/20 14:27 ug/Kg

Client Sample ID: SGC-121620-23.01

Date Collected: 12/16/20 15:50 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-7 **Matrix: Solid**

Matrix: Solid

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg ND 45 12/18/20 10:44 12/21/20 14:30 ug/Kg

Client Sample ID: SGC-121620-24.01 Lab Sample ID: 590-14383-10

Date Collected: 12/16/20 15:07 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 41 12/18/20 10:44 12/21/20 14:32 120 ug/Kg Hg

Client Sample ID: SGC-121620-25.01 Lab Sample ID: 590-14383-13

Date Collected: 12/16/20 15:17 **Matrix: Solid** Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg 120 41 ug/Kg 12/18/20 10:44 12/21/20 14:34

Client Sample ID: SGC-121620-25B.01 Lab Sample ID: 590-14383-16 **Matrix: Solid**

Date Collected: 12/16/20 15:24 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Hg 36 12/18/20 10:44 12/21/20 14:36 ug/Kg 140

Client Sample ID: SGC-121620-26.01 Lab Sample ID: 590-14383-19

Date Collected: 12/16/20 15:32 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg ND 46 ug/Kg 12/18/20 10:44 12/21/20 14:39

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-27.01

Lab Sample ID: 590-14383-22

Matrix: Solid

Job ID: 590-14383-1

Date Collected: 12/16/20 15:39 Date Received: 12/17/20 16:24

1	Method: 7471B - Mercury (CVAA)									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Hg	ND		42		ug/Kg		12/18/20 10:44	12/21/20 14:41	1

Client Sample ID: SGC-121620-28.01

Lab Sample ID: 590-14383-25 Date Collected: 12/16/20 15:30 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		45		ug/Kg		12/18/20 10:44	12/21/20 14:48	1

Client Sample ID: SGC-121620-29.01

Lab Sample ID: 590-14383-28 Date Collected: 12/16/20 15:36 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	37		37		ug/Kg		12/18/20 10:44	12/21/20 14:50	1

Client Sample ID: SGC-121620-30.01 Lab Sample ID: 590-14383-31 Date Collected: 12/16/20 15:41 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND —	35	ug/Kg		12/18/20 10:44	12/21/20 14:52	1

Client Sample ID: SGC-121620-31.01 Lab Sample ID: 590-14383-34

Date Collected: 12/16/20 15:47 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac

Hg 280 43 ug/Kg 12/18/20 10:44 12/21/20 14:55

Client Sample ID: SGC-121620-32.01 Lab Sample ID: 590-14383-37 Date Collected: 12/16/20 15:53 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	2600		410		ug/Kg		12/18/20 10:46	12/21/20 16:46	10

Client Sample ID: SGC-121620-33.01 Lab Sample ID: 590-14383-40

Date Collected: 12/16/20 15:59 Date Received: 12/17/20 16:24

_									
Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	540		360		ug/Kg		12/18/20 10:46	12/21/20 16:53	10

Matrix: Solid

Job ID: 590-14383-1

Matrix: Solid

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-34.01

Lab Sample ID: 590-14383-43

Date Received: 12/17/20 16:24

Date Collected: 12/16/20 16:04 Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 57 84 ug/Kg 12/18/20 10:46 12/21/20 16:58 Hg

Client Sample ID: SGC-121620-35.01

Lab Sample ID: 590-14383-46 Date Collected: 12/17/20 08:45 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 45 12/18/20 10:46 12/21/20 17:00 Hg 230 ug/Kg

Client Sample ID: SGC-121620-36.01

Lab Sample ID: 590-14383-49 Date Collected: 12/17/20 08:53 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg 1800 360 12/18/20 10:46 12/21/20 17:09 ug/Kg 10

Client Sample ID: SGC-121620-37.01 Lab Sample ID: 590-14383-52

Date Collected: 12/17/20 08:59

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 54 12/18/20 10:46 12/21/20 17:03 380 ug/Kg Hg

Client Sample ID: SGC-121620-38.01 Lab Sample ID: 590-14383-55

Date Collected: 12/17/20 09:07

Matrix: Solid Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Hg 110 38 ug/Kg 12/18/20 10:46 12/21/20 17:12

Client Sample ID: SGC-121620-39.01

Lab Sample ID: 590-14383-58 Date Collected: 12/17/20 09:15 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac 40 ug/Ka 12/18/20 10:46 12/21/20 17:14 Hg 140

Client Sample ID: SGC-121620-40.01 Lab Sample ID: 590-14383-61

Date Collected: 12/17/20 09:21 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg 98 48 ug/Kg 12/18/20 10:46 12/21/20 17:16

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-41.01

Date Collected: 12/17/20 09:30 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-64

Matrix: Solid

Job ID: 590-14383-1

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 3500 500 ug/Kg 12/18/20 10:46 12/21/20 17:19 Hg

Client Sample ID: SGC-121620-42.01

Date Collected: 12/17/20 09:36 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-67 **Matrix: Solid**

Method: 7471B - Mercury (CVAA) Analyte

Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 51 12/18/20 10:46 12/21/20 17:21 Hg 75 ug/Kg

Client Sample ID: SGC-121620-43.01

Date Collected: 12/17/20 09:43 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-70

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg 38 12/18/20 10:46 12/21/20 17:27 230 ug/Kg

Client Sample ID: SGC-121620-44.01

Date Collected: 12/17/20 09:53

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-73

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 330 12/18/20 10:46 12/21/20 19:50 1900 ug/Kg Hg

Client Sample ID: SGC-121620-45.01

Date Collected: 12/17/20 10:00 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-76

Matrix: Solid

Method: 7471B - Mercury (CVAA)

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Hg 21000 1800 ug/Kg 12/18/20 10:46 12/21/20 19:52

Client Sample ID: SGC-121620-46.01

Date Collected: 12/17/20 10:06 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-79

Matrix: Solid

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Hg 48 12/18/20 10:46 12/21/20 17:34 ug/Kg 260

Client Sample ID: SGC-121620-47.01

Date Collected: 12/17/20 10:13 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-82

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg 40 ug/Kg 12/18/20 10:46 12/21/20 17:41 110

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-48.01

Date Collected: 12/17/20 10:21 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-85

Matrix: Solid

Job ID: 590-14383-1

: 7471B - Mercury (CVAA)

Analyte	Result Qu	ualifier RL	MDL Unit	t D	Prepared	Analyzed	Dil Fac
Hg	91	41	ug/k		12/18/20 10:46	12/21/20 17:44	1

Client Sample ID: SGC-121620-49.01

Date Collected: 12/17/20 10:27 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-88

Matrix: Solid

Method: 7471B - Mercury (CVAA)
Analyte

 Analyte
 Result Hg
 Qualifier
 RL
 MDL unit
 D ug/Kg
 Prepared 12/18/20 10:46
 Analyzed Analyzed 12/21/20 17:46
 Dil Factor

Client Sample ID: SGC-121620-50.01

Date Collected: 12/17/20 10:33 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-91

Matrix: Solid

Method: 7471B - Mercury (CVAA)

 Analyte
 Result
 Qualifier
 RL
 MDL unit
 D
 Prepared
 Analyzed
 Dil Fac

 Hg
 ND
 53
 ug/Kg
 12/18/20 10:46
 12/21/20 17:48
 1

Client Sample ID: SGC-121620-51.01

Date Collected: 12/17/20 10:41

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-94

Matrix: Solid

Method: 7471B - Mercury (CVAA)

 Analyte
 Result Hg
 Qualifier
 RL
 MDL Unit
 D ug/Kg
 Prepared 12/18/20 10:46
 Analyzed Analyzed Dil Fac 12/21/20 17:51
 D ug/Kg

Client Sample ID: SGC-121620-52.01

Date Collected: 12/17/20 10:47 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-97

Matrix: Solid

Matrix. John

Method: 7471B - Mercury (CVAA)

 Analyte
 Result Hg
 Qualifier
 RL
 MDL Unit ug/Kg
 D 12/18/20 10:49
 Analyzed Analyzed Dil Fac 12/18/20 18:06
 D 50

Client Sample ID: SGC-121620-53.01

Date Collected: 12/17/20 10:53

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-100

Matrix: Solid

Method: 7471B - Mercury (CVAA)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Hg
 200
 47
 47
 ug/Kg
 12/18/20 10:49
 12/21/20 18:19
 1

Client Sample ID: SGC-121620-54.01

Date Collected: 12/17/20 10:59 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-103

Matrix: Solid

Method: 7471B - Mercury (CVAA)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Hg
 ND
 39
 ug/Kg
 12/18/20 10:49
 12/21/20 18:22
 1

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-55.01

Lab Sample ID: 590-14383-106

Lab Sample ID: 590-14383-109

Lab Sample ID: 590-14383-112

Lab Sample ID: 590-14383-115

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 590-14383-1

Date Collected: 12/17/20 11:07 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	42	35		ug/Kg		12/18/20 10:49	12/21/20 18:24	1

Client Sample ID: SGC-121620-56.01

Date Collected: 12/17/20 11:14

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		48		ug/Kg		12/18/20 10:49	12/21/20 18:26	1

Client Sample ID: SGC-121620-57.01

Date Collected: 12/17/20 11:22

Matrix: Solid Date Received: 12/17/20 16:24

Analyte

Method: 7471B - Mercury (CVAA)

Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg 35 12/18/20 10:49 12/21/20 18:29 54 ug/Kg

Client Sample ID: SGC-121620-58.01

Date Collected: 12/17/20 11:30

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)							
Analyte	Result Qua	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	66	38	ug/Kg		12/18/20 10:49	12/21/20 18:31	1

Client Sample ID: SGC-121620-59.01

Lab Sample ID: 590-14383-118 Date Collected: 12/17/20 11:37 Matrix: Solid Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	58	45	ug/Kg		12/18/20 10:49	12/21/20 18:33	1

Date Received: 12/17/20 16:24

Client Sample ID: SGC-121620-60.01 Lab Sample ID: 590-14383-121 Date Collected: 12/17/20 11:43 Matrix: Solid

Method: 7471B - Mercury (CVAA)

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Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Hg	240	37	ug/Kg		12/18/20 10:49	12/21/20 18:36	1

Date Collected: 12/17/20 11:50 Date Received: 12/17/20 16:24

нд	240	31	ug/Kg	12/16/20 10:49 12/21/20 16:30	,
Client Sample ID: SGC-1216	620-61.01			Lab Sample ID: 590-14383-1	124

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	66		47		ug/Kg		12/18/20 10:49	12/21/20 18:38	1

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-62.01

Lab Sample ID: 590-14383-127

Matrix: Solid

Job ID: 590-14383-1

Date Collected: 12/17/20 11:58 Date Received: 12/17/20 16:24

	Method: 7471B - Mercury (CVAA)									
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Hg	320		39		ug/Kg		12/18/20 10:49	12/21/20 18:45	1

Client Sample ID: SGC-121620-63.01

Date Collected: 12/17/20 12:05 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-130 **Matrix: Solid**

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Dil Fac Prepared Analyzed Hg ND 49 12/18/20 10:49 12/21/20 18:47 ug/Kg

Client Sample ID: SGC-121620-64.01

Date Collected: 12/17/20 12:14 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-133 **Matrix: Solid**

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg 42 12/18/20 10:49 12/21/20 18:49 82 ug/Kg

Client Sample ID: SGC-121620-65.01 Lab Sample ID: 590-14383-136 Date Collected: 12/17/20 12:22 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 32 12/18/20 10:49 12/21/20 18:52 200 ug/Kg

Client Sample ID: SGC-121620-66.01 Lab Sample ID: 590-14383-139

Date Received: 12/17/20 16:24

Hg

Date Collected: 12/17/20 12:30 **Matrix: Solid**

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg ND 42 ug/Kg 12/18/20 10:49 12/21/20 18:54

Client Sample ID: SGC-121620-67.01 Lab Sample ID: 590-14383-142 **Matrix: Solid**

Date Collected: 12/17/20 12:39 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Hg 45 12/18/20 10:49 12/21/20 18:56 ug/Kg 130

Client Sample ID: SGC-121620-68.01 Lab Sample ID: 590-14383-145

Date Collected: 12/17/20 00:00 Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg ND 41 ug/Kg 12/18/20 10:49 12/21/20 18:58

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-69.01

Date Collected: 12/17/20 12:45 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-148

Matrix: Solid

Job ID: 590-14383-1

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 49 Hg ND ug/Kg 12/18/20 10:49 12/21/20 19:01

Client Sample ID: SGC-121620-70.01

Date Collected: 12/17/20 12:10 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-151

Matrix: Solid

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit D Analyzed Dil Fac Prepared 37 12/18/20 10:49 12/21/20 19:03 Hg 97 ug/Kg

Client Sample ID: SGC-121620-71.01

Date Collected: 12/17/20 12:16 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-154

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg ND 43 12/18/20 10:49 12/21/20 19:05 ug/Kg

Client Sample ID: SGC-121620-72.01 Lab Sample ID: 590-14383-157

Date Collected: 12/17/20 12:22

Date Received: 12/17/20 16:24

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Result Qualifier Analyte RL MDL Unit Prepared Analyzed Dil Fac 49 12/18/20 10:52 12/21/20 19:17 190 F1 ug/Kg Hg

Client Sample ID: SGC-121620-73.01

Date Collected: 12/17/20 12:28

Lab Sample ID: 590-14383-160 **Matrix: Solid**

Date Received: 12/17/20 16:24 Method: 7471B - Mercury (CVAA)

MDL Unit Analyte Result Qualifier RL D Prepared Analyzed Dil Fac Hg 790 40 ug/Kg 12/18/20 10:52 12/21/20 19:30

Date Collected: 12/17/20 09:14

Date Received: 12/17/20 16:24

Client Sample ID: SGC-121620-300.01 Lab Sample ID: 590-14383-163

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Hg 42 12/18/20 10:52 12/21/20 19:32 ug/Kg 150

Client Sample ID: SGC-121620-301.01

Date Collected: 12/17/20 12:03

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-166

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg 4600 910 ug/Kg 12/18/20 10:52 12/21/20 19:55

Matrix: Solid

Client Sample Results

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-301.01 Lab Sample ID: 590-14383-169

Date Collected: 12/17/20 13:14

Matrix: Solid Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	ND		49		ug/Kg		12/18/20 10:52	12/21/20 19:38	1

Job ID: 590-14383-1

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method: 7471B - Mercury (CVAA)

Client Sample ID: Method Blank Lab Sample ID: MB 590-30034/9-A Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30069

Prep Batch: 30034 мв мв Dil Fac Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Hg ND 50 ug/Kg 12/18/20 08:55 12/21/20 13:53

Lab Sample ID: LCS 590-30034/8-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30069

Spike LCS LCS Added Analyte Result Qualifier Unit D %Rec Limits Hg 200 197 ug/Kg 99 80 - 120

Lab Sample ID: MB 590-30040/2-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 30070

Prep Type: Total/NA

Prep Batch: 30040

Prep Batch: 30034

Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Hg 50 12/18/20 10:45 12/21/20 16:44 ND ug/Kg

мв мв

Lab Sample ID: LCS 590-30040/1-A Client Sample ID: Lab Control Sample

Matrix: Solid

Analysis Batch: 30070

Prep Type: Total/NA Prep Batch: 30040 Spike LCS LCS %Rec.

Added Analyte Result Qualifier Unit D %Rec Limits Hg 200 204 102 80 - 120 ug/Kg

Lab Sample ID: 590-14383-37 MS Client Sample ID: SGC-121620-32.01

Matrix: Solid

Analysis Batch: 30070

Prep Type: Total/NA Prep Batch: 30040 Sample Sample Spike MS MS %Rec.

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Hg 2600 189 2320 4 ug/Kg -147 80 - 120

Lab Sample ID: 590-14383-37 MSD Client Sample ID: SGC-121620-32.01

Matrix: Solid

Analysis Batch: 30070

Prep Type: Total/NA Prep Batch: 30040

Sample Sample Spike MSD MSD %Rec. **RPD** Added Result Qualifier RPD Limit Analyte Result Qualifier Unit D %Rec Limits Hg 2600 192 2320 4 ug/Kg -146 80 - 120

Lab Sample ID: 590-14383-37 DU Client Sample ID: SGC-121620-32.01

Matrix: Solid

Analysis Batch: 30070

Prep Type: Total/NA Prep Batch: 30040

DU DU Sample Sample RPD Result Qualifier Result Qualifier RPD Limit Analyte Unit Hg 2600 1310 F3 ug/Kg 66

Lab Sample ID: MB 590-30041/2-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 30070

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Hg ND 50 ug/Kg 12/18/20 10:49 12/21/20 17:55

Eurofins TestAmerica, Spokane

Prep Type: Total/NA

Prep Batch: 30041

Prep Batch: 30041

Prep Batch: 30042

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method: 7471B - Mercury (CVAA)

Lab Sample ID: LCS 590-30041/1-A			Client Sample ID: Lab Control Sample
Matrix: Solid			Prep Type: Total/NA
Analysis Batch: 30070			Prep Batch: 30041
	Spike	LCS LCS	%Rec.

,								
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Hg	200	198		ug/Kg		99	80 - 120	

Lab Sample ID: 590-14383-97 MS Client Sample ID: SGC-121620-52.01 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30070

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Hg	13000		164	12600	4	ug/Kg		-450	80 - 120	

Lab Sample ID: 590-14383-97 MSD Client Sample ID: SGC-121620-52.01 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 30070 Prep Batch: 30041 MSD MSD RPD Spike %Rec. Sample Sample Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Hg 13000 161 14800 ug/Kg 892 80 - 120 16

Lab Sample ID: 590-14383-97 DU Client Sample ID: SGC-121620-52.01 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30070 Prep Batch: 30041 DU DU RPD Sample Sample Qualifier Qualifier Limit Analyte Result Result Unit Hg 13000 13500 20 ug/Kg

Lab Sample ID: MB 590-30042/2-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30070

MR MR Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac

Hg 50 ND ug/Kg 12/18/20 10:52 12/21/20 19:14

Lab Sample ID: LCS 590-30042/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 30070** Prep Batch: 30042

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Hg 200 197 ug/Kg 80 - 120

Lab Sample ID: 590-14383-157 MS Client Sample ID: SGC-121620-72.01 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30070 Prep Batch: 30042 MS MS Sample Sample Spike %Rec. Added Result Qualifier Limits Unit %Rec

Result Qualifier Analyte Hg 190 F1 196 365 ug/Kg 90 80 - 120

Lab Sample ID: 590-14383-157 MSD Client Sample ID: SGC-121620-72.01 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 30070									Prep	Batch:	30042
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Hg	190	F1	189	333	F1	ug/Kg		77	80 - 120	9	20

QC Sample Results

Client: Fulcrum Environmental Job ID: 590-14383-1

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method: 7471B - Mercury (CVAA)

Lab Sample ID: 590-14383-157 DU Client Sample ID: SGC-121620-72.01

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 30070

Prep Batch: 30042

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Hg	190	F1	109	F3	ug/Kg			54	20

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-21.01

Date Collected: 12/16/20 15:35 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.60 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:25	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-22.01

Date Collected: 12/16/20 15:37 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.57 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:27	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-23.01

Date Collected: 12/16/20 15:50

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:30	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-24.01

Date Collected: 12/16/20 15:07

Date Received: 12/17/20 16:24

Lab	Sample	ID:	590-14383-10
	Gampio		000 14000 10

Lab Sample ID: 590-14383-13

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:32	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-25.01

Date Collected: 12/16/20 15:17

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:34	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-25B.01

Date Collected: 12/16/20 15:24

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.70 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:36	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-26.01

Date Collected: 12/16/20 15:32

Date Received: 12/17/20 16:24

Lab Sample	ID: 590-14383-19
	Matrix: Solid

Lab Sample ID: 590-14383-22

Lab Sample ID: 590-14383-25

Lab Sample ID: 590-14383-28

Matrix: Solid

Matrix: Solid

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.54 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:39	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-27.01

Date Collected: 12/16/20 15:39

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.59 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:41	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-28.01

Date Collected: 12/16/20 15:30

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.56 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:48	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-29.01

Date Collected: 12/16/20 15:36

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.67 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:50	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-30.01

Date Collected: 12/16/20 15:41 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-31

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.71 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:52	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-31.01

Date Collected: 12/16/20 15:47 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-34

Lab Sample ID: 590-14383-37

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.58 g	50 mL	30034	12/18/20 10:44	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30069	12/21/20 14:55	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-32.01

Date Collected: 12/16/20 15:53

Date Received: 12/17/20 16:24

Client Sample ID: SGC-121620-33.01

Date Collected: 12/16/20 15:59

Date Received: 12/17/20 16:24

١		Datcii	Datcii		ווט	IIIIIIai	FIIIdi	Datell	Frepareu		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Prep	7471B			0.61 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
	Total/NA	Analysis	7471B		10			30070	12/21/20 16:46	JSP	TAL SPK
	Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Lab Sample ID: 590-14383-40

Lab Sample ID: 590-14383-43

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.69 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30070	12/21/20 16:53	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-34.01

Date Collected: 12/16/20 16:04

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.44 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 16:58	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-35.01

Date Collected: 12/17/20 08:45 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-46

Lab Sample ID: 590-14383-49

Lab Sample ID: 590-14383-52

Lab Sample ID: 590-14383-55

Lab Sample ID: 590-14383-58

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:00	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-36.01

Date Collected: 12/17/20 08:53 Date Received: 12/17/20 16:24

2/17/20 08:53 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.69 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30070	12/21/20 17:09	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-37.01

Date Collected: 12/17/20 08:59

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.46 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:03	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-38.01

Date Collected: 12/17/20 09:07

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:12	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-39.01

Date Collected: 12/17/20 09:15

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:14	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-40.01

Date Collected: 12/17/20 09:21 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-61

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.52 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:16	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-41.01

Date Collected: 12/17/20 09:30

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-64

Lab Sample ID: 590-14383-67

Lab Sample ID: 590-14383-70

Lab Sample ID: 590-14383-73

12/18/20 15:02 AMB

Matrix: Solid

Matrix: Solid

Matrix: Solid

TAL SPK

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.50 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30070	12/21/20 17:19	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-42.01

Date Collected: 12/17/20 09:36

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.49 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:21	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-43.01

Date Collected: 12/17/20 09:43

Date Received: 12/17/20 16:24

Date Received.	. 12/11/20 16.2	4								
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.65 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:27	JSP	TAL SPK

30052

1

Client Sample ID: SGC-121620-44.01

Analysis

Moisture

Date Collected: 12/17/20 09:53

Total/NA

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.76 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30070	12/21/20 19:50	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-45.01

Date Collected: 12/17/20 10:00 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-76

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.68 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		50			30070	12/21/20 19:52	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-46.01

Date Collected: 12/17/20 10:06 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-79

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.52 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:34	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-47.01

Date Collected: 12/17/20 10:13 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-82 **Matrix: Solid**

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:41	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-48.01

Date Collected: 12/17/20 10:21

Date Received: 12/17/20 16:24

	Lab Sample	ID: 590-14383-85
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Lab Sample ID: 590-14383-88

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:44	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-49.01

Date Collected: 12/17/20 10:27

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.79 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:46	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-50.01

Date Collected: 12/17/20 10:33 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-91

Matrix: Solid

Job ID: 590-14383-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.47 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:48	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-51.01

Date Collected: 12/17/20 10:41 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-94

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	50 mL	30040	12/18/20 10:46	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 17:51	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-52.01

Date Collected: 12/17/20 10:47

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-97

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		50			30070	12/21/20 18:06	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-53.01

Date Collected: 12/17/20 10:53

Date Received: 12/17/20 16:24

Lab Sampl	e ID:	590-1	4383	3-100

Lab Sample ID: 590-14383-103

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.53 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:19	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-54.01

Date Collected: 12/17/20 10:59

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.64 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:22	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-55.01

Date Collected: 12/17/20 11:07 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-106

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.72 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:24	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-56.01

Date Collected: 12/17/20 11:14

Date Received: 12/17/20 16:24

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Factor or Analyzed Prep Type Туре Method Run Amount Amount Number Analyst Lab 7471B 30041 TAL SPK Total/NA Prep 0.52 g 50 mL 12/18/20 10:49 AMB Total/NA 7471B 30070 12/21/20 18:26 TAL SPK Analysis JSP 1 Total/NA Analysis Moisture 1 30052 12/18/20 15:02 AMB TAL SPK

Client Sample ID: SGC-121620-57.01

Date Collected: 12/17/20 11:22

Date Received: 12/17/20 16:24

Lab Sample ID: 59	90-14383-112
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.71 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:29	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-58.01

Date Collected: 12/17/20 11:30

Date Received: 12/17/20 16:24

Lab Sam	ple ID: 5	590-14383-115
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Lab Sample ID: 590-14383-118

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:31	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-59.01

Date Collected: 12/17/20 11:37

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:33	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-60.01

Date Collected: 12/17/20 11:43 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-121

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.67 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:36	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-61.01

Date Collected: 12/17/20 11:50

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-124

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Factor Prep Type Туре Method Run Amount Amount Number or Analyzed Analyst Lab 7471B 30041 TAL SPK Total/NA Prep 0.53 g 50 mL 12/18/20 10:49 AMB Total/NA 7471B 30070 12/21/20 18:38 TAL SPK Analysis JSP 1 Total/NA Analysis Moisture 1 30052 12/18/20 15:02 AMB TAL SPK

Client Sample ID: SGC-121620-62.01

Date Collected: 12/17/20 11:58

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-127

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.64 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:45	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-63.01

Date Collected: 12/17/20 12:05

Date Received: 12/17/20 16:24

Lab Sam	ple ID: 590-	14383-130
Edo Gaiii	010 101 000	1 1000 100

Lab Sample ID: 590-14383-133

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.51 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:47	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-64.01

Date Collected: 12/17/20 12:14

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.60 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:49	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-65.01

Date Collected: 12/17/20 12:22 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-136

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.78 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:52	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Initial

Amount

0.59 g

Final

Amount

50 mL

Batch

30041

30070

30052

Number

Dil

1

1

Factor

Run

Client Sample ID: SGC-121620-66.01

Date Collected: 12/17/20 12:30

Prep Type

Total/NA

Total/NA

Total/NA

Date Received: 12/17/20 16:24

Batch

Туре

Prep

Analysis

Analysis

Batch

Method

7471B

7471B

Moisture

Lab Sample ID: 590-14383-139

Prepared

or Analyzed

12/18/20 10:49

12/21/20 18:54

12/18/20 15:02

Matrix: Solid

Analyst Lab AMB TAL SPK TAL SPK

Client Sample ID: SGC-121620-67.01

Date Collected: 12/17/20 12:39

Date Received: 12/17/20 16:24

Lab Sample ID: 590-143	83-142

JSP

AMB

Matrix: Solid

TAL SPK

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.56 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:56	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-68.01

Date Collected: 12/17/20 00:00

Date Received: 12/17/20 16:24

ah Samni	le ID:	590-1	14383-	145

Lab Sample ID: 590-14383-148

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 18:58	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-69.01

Date Collected: 12/17/20 12:45

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.51 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:01	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-70.01

Date Collected: 12/17/20 12:10 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-151

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.68 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:03	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-71.01

Date Collected: 12/17/20 12:16

Date Received: 12/17/20 16:24

	ab Sam	ple ID:	590-143	383-154
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.58 g	50 mL	30041	12/18/20 10:49	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:05	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-72.01

Date Collected: 12/17/20 12:22

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-157

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.51 g	50 mL	30042	12/18/20 10:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:17	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-73.01

Date Collected: 12/17/20 12:28

Date Received: 12/17/20 16:24

	Lab Sar	nple ID:	590-14383-160
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Lab Sample ID: 590-14383-163

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	30042	12/18/20 10:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:30	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-300.01

Date Collected: 12/17/20 09:14

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.59 g	50 mL	30042	12/18/20 10:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:32	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Lab Chronicle

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-301.01 Lab Sample ID: 590-14383-166

Date Collected: 12/17/20 12:03 Matrix: Solid

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.55 g	50 mL	30042	12/18/20 10:52	AMB	TAL SPK
Total/NA	Analysis	7471B		20			30070	12/21/20 19:55	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Client Sample ID: SGC-121620-301.01 Lab Sample ID: 590-14383-169

Date Collected: 12/17/20 13:14 Matrix: Solid

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.51 g	50 mL	30042	12/18/20 10:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30070	12/21/20 19:38	JSP	TAL SPK
Total/NA	Analysis	Moisture		1			30052	12/18/20 15:02	AMB	TAL SPK

Page 30 of 49

Laboratory References:

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

Eurofins TestAmerica, Spokane

12/22/2020

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-1

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	F	Program	Identification Number	Expiration Date
Washington		State	C569	01-06-21
The following analytes the agency does not of	• •	out the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method	Method Description	Protocol	Laboratory
7471B	Mercury (CVAA)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
7471B	Preparation, Mercury	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Job ID: 590-14383-1

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THE LEADER IN ENVIRONMENTAL TESTING

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

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

12/22/2020

To bon.	7	INVOICE TO: Fulcur
	- P	
PHONE: 509-459-9220 FAX		P.O. NUMBER:
PROJECT NAME Surdanes Mercury Soil Sampling	scury Soil Sampling	PRESERVATIVE
PROJECT NUMBER: 192860.02	02	REQUESTED ANALYSES
SAMPLED BY: J. Hor		
CLIENT SAMPLE IDENTIFICATION	SAMPLING DATE/TIME	
544121620-21.01 12	12/16/20 @ 1535	
-21.02	© 1537	
- 21.03	@ 1550	
-22.01	@ 1537	590-14383 Chain of Custody
- 12.02	@ 1539	
-27.03	@ 1541	
- 23.64	@ 1550	
-23.02	@ 1552	
, -23.03	@ 1554	
10 -24.01	(Tool ()	
PRINT NAME AND SL	FIRM & CWI	TIME 12/17/20 RECEIVED BY: PRINT NAME PRI
RELEASED BY	FIRM	DATE: RECEIVED BY:
ADDITIONAL REMARKS: Please	AL LA	100

estAmerico

THE LEADER IN ENVIRONMENTAL TESTING

ADDRESS:

CLIENT:

SAMPLED BY. PROJECT NUMBER: PROJECT NAME: PHONE

IDENTIFICATION

-24.03 -25.01

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

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

Sec-121620-24.02 12/16/20 25.02 FAX: SAMPLING DATE/TIME (8) 1526 1528 1534 FIRM: 1524 FIRM 532 1519 1517 1521 121 1509 Fulcom Hg CHAIN OF CUSTODY REPORT P.O. NUMBER: INVOICE TO: TIME DATE: DATE TIME REQUESTED ANALYSES PRESERVATIVE PRINT NAME RECEIVED BY PRINTHAME MATIGIADOL RECEIVED BY Work Order #: (W, S, O) Turnaround Requests less than star 10 STD. FIRM: FIRM: JASB OTHER Specify: un TURNAROUND REQUEST #OF 4 ₩ • 3 mic & Inorganic Analyses leum Hydrocarbon Analyses in Business Days * 3 2 18/81 Hold To A) A COMMENTS TEMP: lued may inche Rush Charges 2 DATE TIME (6: 24 DATE (2/17/2 TIME TAL-1000 (0714) PAGE ^ N ^_ WOID A.L Page 34 of 49

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ADDITIONAL REMARKS: PRINT NAME

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY REPORT

Work Order #:

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

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FAX:

SAMPLED BY:

REPORT TO CLIENT:

ADDRESS:

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THE LEADER IN ENVIRONMENTAL TESTING

ADDRESS:

PHONE:

FAX

PO. NUMBER:

REQUESTED ANALYSES

(W, S, O)

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Page 36 of 49

Turnaround Requests less than standard may incur Rush Charges

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Organic & Inorganic Analyses

in Business Days *

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IDENTIFICATION

SAMPLING DATE/TIME

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PROJECT NUMBER: PROJECT NAME:

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CLIENT

CHAIN OF CUSTODY REPORT

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste Allo, Anchorage, AK 99502-1119 Work Order #: TURNAROUND REQUEST

INVOICE TO:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

REPORT TO:

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Page 37 of 49

Turnaround Requests less than standard may incur Rush Charges

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CHAIN OF CUSTODY REPORT

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THE LEADER IN ENVIRONMENTAL TESTING

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PROJECT NAME PHONE:

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

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THE LEADER IN ENVIRONMENTAL TESTING

REPORT TO: ADDRESS:

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CHAIN OF CUSTODY REPORT

INVOICE TO:

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

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> 7 A 4 3 2 Petroleum Hydrocarbon Analyses and Requests less than sto Organic & Morganic Analyses in Business Days * COMMENTS 2 LOCATION/ dard may incur Rush Charges ^ TA WOID ^_ Page 40 of 49

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OF

	Ch	Chain of Custody Record		TestAmerica Laboratories, Inc.
Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax:	Lab Contact:	Carrier:	of COCs
207 West Boone Avenue	Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below			
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Page 41 of 49

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Sample Identification

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Possible Hazard Identification

Non-Hazard

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

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Special Instructions/QC Requirements & Comments:

Flammable

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Monti

Months

Tol/Kay.	Project Manager:	
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	Relinquished by:	Relinquished by Relinquished by:	ns/QC Requirements & Co	Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B	-52.03		-52.01	-51.03	-51.02	- S1: of	- 50.03	20.05.	- 50.01	-49.03	-49.02	SGC-121620-49.01	Sample Identification	PO#	Sundaine I		(509) 459-9220 Phone	Spokane, WA 99201	207 West Boone Avenue	Fulcrum Environmental Consulting, Inc.	Client Contact
	Company:	Company:		NaOH; 6= Other Poison B Unknown	1 4 1051	1049	1047	1045	643	1041	637	1035	1033	1031		170/04th	Sample Sample Sample Date Time Type		1 week	2 weeks	TAT if different from Below	Calendar (C) or Work Days (W)	Analysis Turnaround Time	Tel/Fax:	Project Manager:
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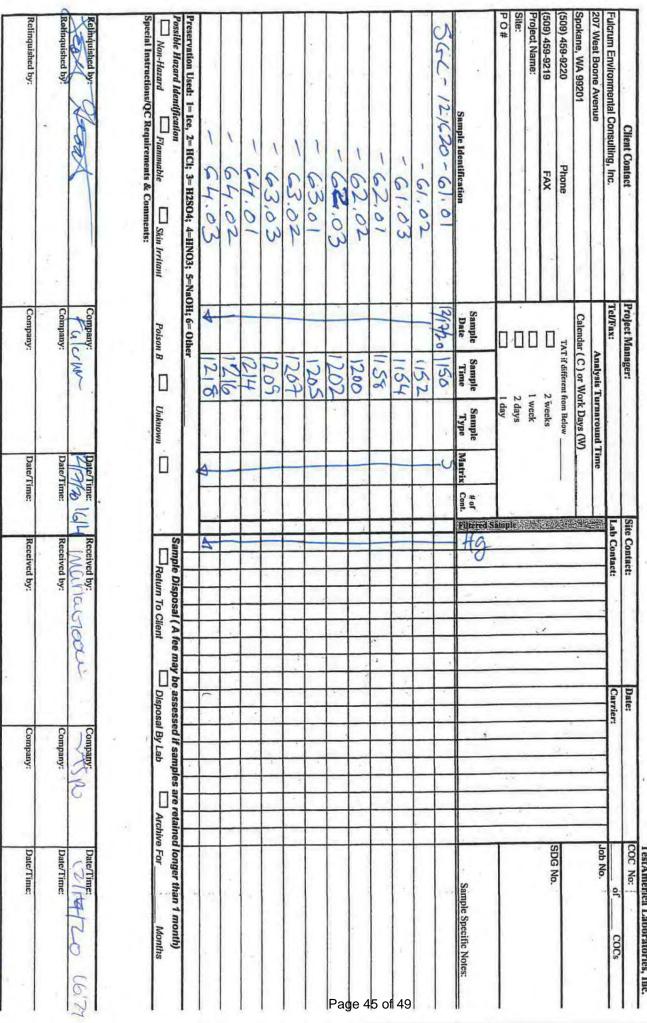
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Preservation Used: 1= ice, 2= HCi; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	5=NaOH; 6= Other				
Non-Hazard	Poison B	Unknown 🔲	Sample Disposal (A fee may be as	osal (A fee may be assessed if samples are retained longer than 1 month) To Client Disposal By Lab Archive For Mont	For Months
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207 West Boone Avenue	Analysis Turnaround Time				Job No.	
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	NaOH; 6= Other					
Possible Huzard Identification Non-Hazard Flammable Skin Irritant	Poison B Unkn	Unknown	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Month	be assessed if samples are r	etained longer than 1 mo. Archive For N	onth) Months
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Chain of Custody Record

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of	Carrier:	Lab Contact:	TeVFax:	onsulting, Inc.
COC No:	Date:	Site Contact:	Project Manager:	Client Contact
THE LEADER IN ENVIRONMENTAL TESTING	cord	Chain of Custody Record	Ch	



			Calendar (C) or Work Days (W)	Spokane, WA 99201
SON NO.			Analysis Turnaround Time	207 West Boone Avenue
of cocs	Carrier:	Lab Contact:	Tel/Fax:	Fulcrum Environmental Consulting, Inc.
COC No:	Date:	Site Contact:	Project Manager:	. Client Contact
TestAmerica Laboratories, Inc.				
THE LEADER IN ENVIRONMENTAL TESTING	rd	Chain of Custody Record	Ch	

(509) 459-9219 Project Name:

Spokane, WA 99201 (509) 459-9220

Phone

TAT if different from Below

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Sample Specific Notes:

Page 46 of 49

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Sample Identification

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Special Instructions/QC Requirements & Comments:

- Flanmable

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Monte

Possible Hazard Identification

Non-Hazard

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

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Chain of Custody Record

TestAmerica

Special Instructions/QC Requirements & Comments: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Possible Hazard Identification: Comments Section if the lab is to dispose of the sample Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other____ Spokane, NA 99206 Phone: 509.924.9200 Fax: Custody Seals Intact: 12/620-30.0 Sample Identification Client Contact -301.03 300.02 Yes 301.02 10,108 300.03 301.03 Skin Irritant Project Manager: Tel/Fax: Sample Custody Seal No.: Company: Regulatory Program: DW NPDES CALENDAR DAYS Poison B TAT if different from Below Analysis Turnaround Time Sample 1314 2 days 1 week 2 weeks Sample Type (C=Comp, G=Grab) Unknown WORKING DAYS 21972 (614 Site Contact: Filtered Sample (Y/N) Lab Contact: RCRA Perform MS / MSD (Y / N) Processed by: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Other: Cooler Temp. ("C): Obs'd: Disposal by Lab Date: Carrier: 013996 Corr'd: Archive for Date/Time: For Lab Use Only: Lab Sampling: Therm ID No. Walk-in Client: THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc. Job / SDG No. Sample Specific Notes: of COCs TAL-8210 (0713) 6.24

Relinquished by:

Company

Date/Time:

Received in Laboratory by:

Company

Date/Time

Company

Job Number: 590-14383-1

Client: Fulcrum Environmental

List Source: Eurofins TestAmerica, Spokane

Login Number: 14383 List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	No analysis requiring residual chlorine check assigned.



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14383-2

Client Project/Site: Kinney Sundance Mercruy Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 12/23/2020 4:25:34 PM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



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www.eurofinsus.com/Env

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

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

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-2

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/17/2020 4:24 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 4.1° C.

Receipt Exceptions

The following samples were activated by the client on 12/23/20: SGC-121620-32.02 (590-14383-38), SGC-121620-41.02 (590-14383-65), SGC-121620-45.02 (590-14383-77) and SGC-121620-52.02 (590-14383-98).

Metals

Method 7471B: The sample duplicate (DUP) precision for preparation batch 590-30089 and analytical batch 590-30094 was outside control limits. Sample matrix interference is suspected.

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.

Job ID: 590-14383-2

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Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-14383-38	SGC-121620-32.02	Solid	12/16/20 15:55	12/17/20 16:24	
590-14383-65	SGC-121620-41.02	Solid	12/17/20 09:31	12/17/20 16:24	
590-14383-77	SGC-121620-45.02	Solid	12/17/20 10:02	12/17/20 16:24	
590-14383-98	SGC-121620-52.02	Solid	12/17/20 10:49	12/17/20 16:24	

Job ID: 590-14383-2

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-14383-2

Project/Site: Kinney Sundance Mercruy Soil Sampling

Qualifiers

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Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

Glossary

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
CFU	Colony Forming Unit
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)
EDI	Forther to TD at a first Light (D) and

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Con'

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive 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)

TNTC Too Numerous To Count

12/23/2020

Client Sample Results

Client: Fulcrum Environmental Job ID: 590-14383-2

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-32.02

Lab Sample ID: 590-14383-38 Date Collected: 12/16/20 15:55 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 340 12/23/20 09:51 12/23/20 13:47 Hg 4500 F1 ug/Kg

Client Sample ID: SGC-121620-41.02

Lab Sample ID: 590-14383-65 Date Collected: 12/17/20 09:31 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg 40 ug/Kg 12/23/20 09:52 12/23/20 14:17 290

Client Sample ID: SGC-121620-45.02 Lab Sample ID: 590-14383-77

Date Collected: 12/17/20 10:02

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Dil Fac Analyte Result Qualifier RLMDL Unit Prepared Analyzed 36 12/23/20 09:52 12/23/20 14:01 Hg 120 ug/Kg

Client Sample ID: SGC-121620-52.02 Lab Sample ID: 590-14383-98

Date Collected: 12/17/20 10:49

Date Received: 12/17/20 16:24

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac ND 40 12/23/20 09:52 12/23/20 15:30 Hg ug/Kg

Matrix: Solid

Matrix: Solid

Client: Fulcrum Environmental Job ID: 590-14383-2

RL

50

Spike

Added

Spike

Added

1890

Spike

Added

1850

200

MDL Unit

LCS LCS

MS MS

4350 F1

MSD MSD

4510 F1

DU DU

3290 F3

Result Qualifier

Result Qualifier

Result Qualifier

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Result Qualifier

ug/Kg

Unit

ug/Kg

Unit

Unit

ug/Kg

Unit

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ug/Kg

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-30089/9-A

Analysis Batch: 30094

Matrix: Solid

Hg

Hg

MB MB Result Qualifier Analyte

ND

Sample Sample

Sample Sample

4500 F1

Result Qualifier

Result Qualifier

Lab Sample ID: LCS 590-30089/8-A

Matrix: Solid Analysis Batch: 30094

Analyte

Lab Sample ID: 590-14383-38 MS **Matrix: Solid**

Analysis Batch: 30094

Analyte

Hg 4500 F1

Lab Sample ID: 590-14383-38 MSD **Matrix: Solid**

Analysis Batch: 30094

Analyte Hg

Lab Sample ID: 590-14383-38 DU

Matrix: Solid

Analysis Batch: 30094

Sample Sample Result Qualifier **Analyte**

Hg 4500 F1 Client Sample ID: Method Blank

Prep Type: Total/NA

Dil Fac

Prep Batch: 30089

Analyzed **Prepared** <u>12/23/20 09:51</u> <u>12/23/20 13:38</u>

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 30089

%Rec.

D %Rec Limits

%Rec

D

94

80 - 120

Client Sample ID: SGC-121620-32.02

Prep Type: Total/NA

Prep Batch: 30089

%Rec.

Limits

%Rec 80 - 120

Client Sample ID: SGC-121620-32.02

Prep Type: Total/NA

Prep Batch: 30089

%Rec. **RPD**

Limits **RPD** Limit 80 - 120

Client Sample ID: SGC-121620-32.02

Prep Type: Total/NA

Prep Batch: 30089

RPD

RPD Limit

30 20 Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-32.02

Date Collected: 12/16/20 15:55 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-38

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.73 g	50 mL	30089	12/23/20 09:51	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30094	12/23/20 13:47	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			30090	12/23/20 10:38	AMB	TAL SPK

Client Sample ID: SGC-121620-41.02

Date Collected: 12/17/20 09:31 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-65 Matrix: Solid

Batch **Batch** Dil Initial Final Batch Prepared Method Number **Prep Type** Type Run **Factor** Amount Amount or Analyzed Analyst Lab 7471B 30089 12/23/20 09:52 AMB TAL SPK Total/NA Prep 0.63 g 50 mL Total/NA Analysis 7471B 30094 12/23/20 14:17 AMB TAL SPK 1 Total/NA Analysis 30090 12/23/20 10:38 AMB Moisture 1 TAL SPK

Client Sample ID: SGC-121620-45.02

Date Collected: 12/17/20 10:02 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-77

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.70 g	50 mL	30089	12/23/20 09:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30094	12/23/20 14:01	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			30090	12/23/20 10:38	AMB	TAL SPK

Client Sample ID: SGC-121620-52.02

Date Collected: 12/17/20 10:49 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-98 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	50 mL	30089	12/23/20 09:52	AMB	TAL SPK
Total/NA	Analysis	7471B		1			30094	12/23/20 15:30	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			30090	12/23/20 10:38	AMB	TAL SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-2

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	ı	Program	Identification Number	Expiration Date
Washington		State	C569	01-06-21
The following analyted the agency does not do		port, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
Moisture		Solid	Percent Moisture	
Moisture		Solid	Percent Solids	

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method	Method Description	Protocol	Laboratory
7471B	Mercury (CVAA)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
7471B	Preparation, Mercury	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Job ID: 590-14383-2

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			Calendar (C) or Work Days (W)	9201
JOH NO.			Analysis Turnaround Time	207 West Boone Avenue
or cocs	Carrier:	Lab Contact:	Tel/Fax:	Fulcrum Environmental Consulting, Inc.
1	Date:	Site Contact:	Project Manager:	Client Contact
TestAmerica Laboratories, Inc.	d.	Chain of Custody Record	Cha	
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Kelinquished by:	Relinguished by:	Relinquished by	Special management of wedninging or Comments.	Non-Hazard Flammable Skin Irritant	Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	-48.03	-48.02	10:84-	-47.03	-47.02	-47.01	-46.03	-46.62	10.01	-45.03	-45.82	56-6-121620-45.01	Sample Identification	PO#	Site:	+	(509) 459-9219 FAX
Company:	Company:	Company:		Poison B Unknown	=NaOH; 6= Other	1025	1023	1021	1017	1015	1013	10/0	1008	1006	1004	1002	14/2/20 1000	Sample Sample Sample Date Time Type	1 day		1 week	2 weeks
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Client Contact Project Manager:					The second name of the second name of the second name of
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Chain of Custody Record

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Hent Contact	Project Manager:	Site Contact:	Date:	COÇ No:	
nsulting, Inc.	Tel/Fax:	Lab Contact:	Carrier:	(/) of	COCs
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(509) 459-9219 Project Name:

Spokane, WA 99201

(509) 459-9220

Fulcrum Environmental Co

207 West Boone Avenue

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Sample Identification

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Special Instructions/QC Requirements & Comments:

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Skin Irritant

Poison B

Unknown

Return To Cilent

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

Return To Client Disposal By Lab Archive For Monte

Months

Possible Hazard Identification

Non-Hazard

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

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Date: COC No:	Site Contact:	Project Manager:
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						COC No:
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Spokane, WA 99201	Calendar (C) or	Calendar (C) or Work Days (W)				
(509) 459-9220 Phone	TAT if differ	TAT if different from Below	- 智能			
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- 58,02	1132	32				
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- 59.02	1139	59				
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Chain of Custody Record

nt Contact Project Manager: Site Contact: Date: TelViax: Analysis Turnaround Time Lab Contact: Carrier:	Chain of Custody Record Site Contact: Lab Contact: Lab Contact:
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Client Contact	Project Manager:	175	Si	Site Contact:	Date:	COC No:	
Fulcrum Environmental Consulting, Inc.	Tel/Fax:			Lab Contact:	Carrier:	of cocs	
207 West Boone Avenue	l. I	Analysis Turnaround Time				Job No.	
Spokane, WA 99201	Calendar (C)	Calendar (C) or Work Days (W)					
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-62.02	Zi -	1200					je 2
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	NaOH; 6= Other					*	
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Chain of Custody Record

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	67.03	7.0.7	1 69.01	- 68.03 1242	- 6×.02 1241	- GT-01 [23]	-66.03	-G602 1232 IIII IIII IIII	-66.01 1230	-C5.03 72G	-65.02	2/2/1/1/2/11	Sample Identification Sample Sample Sample Sample # of # # # # # # # # # # # # # # # # #	1 day	(1 week Sail	FAX 2 weeks	Phone TAT if different from Below	Spokane, WA 99201 Calendar (C) or Work Days (W)	Analysis Turnsround Time	Lab Contact: Carrier:	TestA
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Relinquished by:

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ct Name:	1 week	Start			-	
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Sample Identification	Sample Sample Sample Date Time Type	Matrix Cont.	Hg			Sample Specific Notes:
10.4-02/12/0-25	1210	-5				
70.02	1212					
-70.03	1214					
10.14-	1216			-1		
-71.02	12/8					
- 71.03	120			·		
- 72.01	1111					
-72.02	1224					
- 72.03	126					
10.54	1728					
- 73.03	1232	4	4			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	NaOH; 6= Other					
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Chain of Custody Record

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THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc.

Client Contact	Project Manager:		Site Contact:	Date:	COC No.	No:
Company Name:	Tel/Fax:	-	Lab Contact:	Carrier:	77	of cocs
Address:	1000	Analysis Turnaround Time			Sampler	er:
City/State/Zip:	CALENDAR DAYS	WORKING DAYS			For La	For Lab Use Only:
Phone:	TAT if different from Below	m Below S	N)		Walk-i	Walk-in Client:
Fax:	2	0			Lab Sa	Lab Sampling
Project Name:						
Site:	2				Job / S	Job / SDG No.:
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		Sample sa Type	rm Ms			
Sample Identification	Date Time	Matrix Cont.				Sample Specific Notes:
56-6-12/620-30.01	याक क्रांप	S				
-300.02	03.6					
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1 30 1.01	1205					
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- 301.02	1 136					
50-108	8151 4	•	4			
Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	03; 5=NaOH; 6= Other					
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.	Yease List any EPA Waste	Codes for the sample in the		e may be assessed if sa	Sample Disposal (A fee may be assessed if samples are refained longer than 1 month)	er than 1 month)
Non-Hazard Flammable Skin Irritant	t Poison B	Unknown	Return to Client	Disposal by Lab	Archive for	Months
Special Instructions/QC Requirements & Comments:						
Custody Seals Intact: Yes No	Custody Seal No.:		Cooler Temp. ("C): Obs'd:			Therm ID No.:
8 Show	Company:	2/12/2 1614	Received t		8	12/20 16:24
Rounday:	Company.	Date// ime:	Received by			Time:
Relinquished by:	Company	Date/Time:	Received in Laboratory by:	by: Company:	any: Date/Time	Time:

Client: Fulcrum Environmental

Job Number: 590-14383-2

Login Number: 14383

List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	No analysis requiring residual chlorine check assigned.



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14383-4

Client Project/Site: Kinney Sundance Mercury Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington Authorized for release by:

12/29/2020 10:18:12 AM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access



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www.eurofinsus.com/Env

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

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

Table of Contents

Cover Page	1
Table of Contents	2
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Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	9
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Chain of Custody	11
Receipt Checklists	27

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-4

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/17/2020 4:24 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 4.1° C.

Receipt Exceptions

The following sample was activated by the client on 12/28/20: SGC-121620-32.03 (590-14383-39).

Metals

Method 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-30112 and analytical batch 590-30120 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.

General Chemistry

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

Job ID: 590-14383-4

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Asset ID

 590-14383-39
 SGC-121620-32.03
 Solid
 12/16/20 15:57
 12/17/20 16:24

Job ID: 590-14383-4

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Definitions/Glossary

Client: Fulcrum Environmental

Job ID: 590-14383-4 Project/Site: Kinney Sundance Mercury Soil Sampling

Qualifiers

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.
F2	MS/MSD RPD exceeds control limits

Glossarv

MDA

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"

MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

Minimum Detectable Activity (Radiochemistry)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

12/29/2020

Client Sample Results

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Client Sample ID: SGC-121620-32.03 Lab Sample ID: 590-14383-39

Date Collected: 12/16/20 15:57

Matrix: Solid
Percent Solids: 90.9

Date Received: 12/17/20 16:24 Percent Solids: 90.9

Method: 7471B - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hg	1700	F2	390		ug/Kg	₽	12/28/20 11:29	12/28/20 16:20	10

Job ID: 590-14383-4

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-4

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-30112/9-A

Matrix: Solid

Analysis Batch: 30120

Matrix: Solid

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 30112

MB MB MDL Unit Dil Fac Analyte Result Qualifier RL D Prepared Analyzed Hg ND 50 ug/Kg 12/28/20 11:29 12/28/20 15:45

Lab Sample ID: LCS 590-30112/8-A Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 30112

Analysis Batch: 30120 Spike LCS LCS

%Rec. Added Result Qualifier Analyte Unit D %Rec Limits Hg 200 201 ug/Kg 101 80 - 120

Lab Sample ID: 590-14383-39 MS Client Sample ID: SGC-121620-32.03 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30120 Prep Batch: 30112 MS MS Sample Sample Spike %Rec.

Result Qualifier Added Result Qualifier Unit Limits Hg 1700 F2 155 1700 -25 80 - 120 ug/Kg

Lab Sample ID: 590-14383-39 MSD Client Sample ID: SGC-121620-32.03 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 30120

Prep Batch: 30112 Spike MSD MSD %Rec. RPD Sample Sample Result Qualifier Added Result Qualifier Limit Analyte Unit D %Rec Limits Hg 1700 F2 155 2630 4 F2 570 80 - 120 43 20 ug/Kg

Lab Sample ID: 590-14383-39 DU Client Sample ID: SGC-121620-32.03

Matrix: Solid

Analysis Batch: 30120 Prep Batch: 30112 DU DU Sample Sample **RPD** Analyte Result Qualifier Result Qualifier Unit RPD Limit 1700 F2 Hg 2020 ug/Kg 15 20

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Client Sample ID: SGC-121620-32.03 Lab Sample ID: 590-14383-39

Date Collected: 12/16/20 15:57 Matrix: Solid Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			30114	12/28/20 11:51	AMB	TAL SPK

Client Sample ID: SGC-121620-32.03

Lab Sample ID: 590-14383-39 Date Collected: 12/16/20 15:57 Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 90.9

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.71 g	50 mL	30112	12/28/20 11:29	AMB	TAL SPK
Total/NA	Analysis	7471B		10			30120	12/28/20 16:20	AMB	TAL SPK

Laboratory References:

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

Job ID: 590-14383-4

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-4

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	F	Program	Identification Number	Expiration Date	
Washington		State	C569	01-06-21	
The following analytes the agency does not of	• •	but the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for whic	
Analysis Method	Prep Method	Matrix	Analyte		
Moisture		Solid	Percent Moisture		
Moisture		Solid	Percent Solids		

Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Method **Method Description** Laboratory Protocol SW846 TAL SPK 7471B Mercury (CVAA) Percent Moisture EPA TAL SPK Moisture Preparation, Mercury 7471B SW846 TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Job ID: 590-14383-4

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THE LEADER IN ENVIRONMENTAL TESTING

CLIENT:

ADDRESS: REPORT TO:

CLIENT SAMPLE IDENTIFICATION

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

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

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Chain of Custody Record

THE LEADER IN ENVIRONMENTAL TESTING

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Chain of Custody Record

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Client Contact	Project Manager:		Site Contact:	Date:	COC No: COCs
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Date/Time:

Received by:

Company:

Date/Time:

Chain
of Custody
Record

Company:			,			TestAmerica Laboratories, Inc.	ories, Inc.
Indicated Constituted Co	Client Contact	Project Manager:	Site	e Contact:	Date:	COC No:	
Columbia Columbia Date (1974) Columbia Columbia Date (1974) Columbia Columbia Date (1974) Columbia Columbia Date (1974) Columbia	Fulcrum Environmental Consulting, Inc.	Tel/Fax:	Lal	b Contact:	Carrier:	of	Cs
Phone Phon	207 West Boone Avenue	- 1				Job No.	
Price Pric	Spokane, WA 99201	Calendar (C) or Work Days (W					
1 1 2 2 2 2 2 2 2 2	-	TAT if different from Below					
Company:		2 weeks				SDG No.	
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17.36 17.36 17.38 17	2-0	1222 11	V				
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1242 1243 1244	5	125					
1243	- 67:02	1241					
1245	- 68.03	1242					
1247	9.	1245	7				
INO3; 5=NaOH; 6= Other Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Irritanii Poison B	- 69.02	7247		1			
NO3; 5=NaOH; 6= Other		1250	4	7			
Company: Date/Time: Date/Time: Company: Date/Time: Date/Time: Company: Date/Time:	Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=	NaOH; 6= Other					
Company: Company: Company: Company: Company: Company: Company: Date/Time: Received by: Company: Company: Company: Date/Time: Company: Company: Date/Time: Date/Time: Company: Date/Time: Company: Date/Time: Date/Date/Date/Date/Date/Date/Date/Date/	Possible Hazard Identification			Sample Disposal (A fee n	nay be assessed if samples	are retained longer than 1 month)	
Company: Compan	Special Instructions/QC Requirements & Comments:		- 10	Wemm 10 Client	Dispusar by Lan	Months Lot	100
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T-ITC	Project Manager:	
1 ah Contact:	Site Contact:	Chain of Custody Record
Carrier	Date:	ecord
of COCs	COC No:	TestAmerica Laboratories, Inc.

					The state of the second second second second second
Client Contact	Project Manager:		Site Contact:	Date:	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax:	1	Lab Contact:	Carrier:	of COCs
207 West Boone Avenue		Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)	Days (W)			
(509) 459-9220 Phone	TAT if different from Below				
	2 %	2 weeks	_		SDG No.
		wan			
Site:		10 11			
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			red S	•	
Sample Identification	Date Time	Type Matrix Cont.	H		Sample Specific Notes:
10.4-029/11-255	74/2/2 1210	. 5			
20.02	1212				
-70.03	1214				
10,14-	1216		-1		
-71.02	1218				ge 2
7-11-03	1220				
- F2.01	1111				
-72.02	1224				
- 72.03	- In				
- 73.01	1128				
- 73.02	11230				
- 73.03	1237	4	4	1	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	"NaOH; 6= Other				
Non-Hazard Flammable Skin Irritant	Poison B	Unknown -	Return To Client	Return To Client Disposal By Lab Archive For Month	Archive For Months
ns/QC Requirements & Co			4	. 4	
Relinquished by:	Company:	Date/Time:	Received by: NAMO CLOOCE	Company:	Date/Time: 7/76 Ub: 24
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

51. Bd

Chain of Custody Record

013996

THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc.

Nokane, NA 99206 Phone: 509.924.9200 Fax:	Regulatory Program:	DW NPDES	RCRA	OFSET	TestAmerica Laboratories, Inc.
Client Contact	Project Manager:	Sit	Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	La	Lab Contact:	Carrier:	16 of cocs
Address:	Analysis Turnaround Time	nd Time			Sampler
City/State/Zip:	CALENDAR DAYS W	WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below	5	N)		Walk-in Client:
Fax:	2 weeks		Y / 1		Lab Sampling:
Project Name:	1 week		()		
Site:	2 days		ISD		Job / SDG No.:
PO#	1 day		S / N		
		ed Sa	9 -		
Sample Identification	Sample Sample (C=Comp, Date Time G=Grab)	Matrix Cont.	Perfo		Sample Specific Notes:
56-6-12/620-30.01	1150 With	v.			
-300.02	256				
- 300.03	ろえ				
10,108-	1203				
- 301.02	128				
- 301.03	1207				
-301.01	1314				
- 301.02	136				
\$ -301.03	\$ 1318	4	4		
Processation Head: 4± log 2= HOL 2= HOCO4: 4=HNO2:	n contract of the contract of				
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the	se List any EPA Waste Codes fo	or the sample in the	Sample Disposal (A fee may	be assessed if samples are	fee may be assessed if samples are retained longer than 1 month)
□ Non-Hazard □ Flammable □ Skin Trritant	Poison B Un	Unknown	Return to Client	Disposal by Lab	Archive for Months
Special Instructions/QC Requirements & Comments:					
Custody Seals Intact: Yes No	Custody Seal No.:		Cooler Temp. ("C): Obs'd:		Therm ID No.:
Relin@shed by A	Company:	Date/Time:	Received by:	Company:	12/12/20 16/24
Rollinguished by:	Company:	Date/Time:		Company:	Date/Timé:
Relinquished by:	Company;	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

.

Client: Fulcrum Environmental Job Number: 590-14383-4

Login Number: 14383 List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	No analysis requiring residual chlorine check assigned.





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14383-6

Client Project/Site: Kinney Sundance Mercruy Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 2/1/2021 4:44:48 PM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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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Method Summary	14
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Receipt Checklists	31

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-6

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/17/2020 4:24 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 4.1° C.

Receipt Exceptions

The following samples were activated for 6010D Cadmium analysis by the client on 01/28/2021: SGC-121620-23.01 (590-14383-7), SGC-121620-25.01 (590-14383-13), SGC-121620-26.01 (590-14383-19), SGC-121620-30.01 (590-14383-31), SGC-121620-34.01 (590-14383-43), SGC-121620-35.01 (590-14383-46), SGC-121620-39.01 (590-14383-58), SGC-121620-43.01 (590-14383-70), SGC-121620-45.01 (590-14383-76), SGC-121620-47.01 (590-14383-82), SGC-121620-52.01 (590-14383-97), SGC-121620-55.01 (590-14383-106), SGC-121620-56.01 (590-14383-109), SGC-121620-60.01 (590-14383-121), SGC-121620-62.01 (590-14383-132), SGC-121620-70.01 (590-14383-151) and SGC-121620-71.01 (590-14383-154). This analysis was not originally requested on the chain-of-custody (COC).

Metals

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

Job ID: 590-14383-6

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Sample Summary

Client: Fulcrum Environmental

590-14383-154

Project/Site: Kinney Sundance Mercruy Soil Sampling

SGC-121620-71.01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-14383-7	SGC-121620-23.01	Solid	12/16/20 15:50	12/17/20 16:24	
590-14383-13	SGC-121620-25.01	Solid	12/16/20 15:17	12/17/20 16:24	
590-14383-19	SGC-121620-26.01	Solid	12/16/20 15:32	12/17/20 16:24	
590-14383-31	SGC-121620-30.01	Solid	12/16/20 15:41	12/17/20 16:24	
590-14383-43	SGC-121620-34.01	Solid	12/16/20 16:04	12/17/20 16:24	
590-14383-46	SGC-121620-35.01	Solid	12/17/20 08:45	12/17/20 16:24	
590-14383-58	SGC-121620-39.01	Solid	12/17/20 09:15	12/17/20 16:24	
590-14383-70	SGC-121620-43.01	Solid	12/17/20 09:43	12/17/20 16:24	
590-14383-76	SGC-121620-45.01	Solid	12/17/20 10:00	12/17/20 16:24	
590-14383-82	SGC-121620-47.01	Solid	12/17/20 10:13	12/17/20 16:24	
590-14383-97	SGC-121620-52.01	Solid	12/17/20 10:47	12/17/20 16:24	
590-14383-106	SGC-121620-55.01	Solid	12/17/20 11:07	12/17/20 16:24	
590-14383-109	SGC-121620-56.01	Solid	12/17/20 11:14	12/17/20 16:24	
590-14383-121	SGC-121620-60.01	Solid	12/17/20 11:43	12/17/20 16:24	
590-14383-127	SGC-121620-62.01	Solid	12/17/20 11:58	12/17/20 16:24	
590-14383-139	SGC-121620-66.01	Solid	12/17/20 12:30	12/17/20 16:24	
590-14383-151	SGC-121620-70.01	Solid	12/17/20 12:10	12/17/20 16:24	

Solid

12/17/20 12:16 12/17/20 16:24

Job ID: 590-14383-6

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Definitions/Glossary

Job ID: 590-14383-6 Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

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 CFU Colony Forming Unit CNF Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference) Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** 0C

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)

TNTC Too Numerous To Count

Client Sample ID: SGC-121620-23.01

Lab Sample ID: 590-14383-7

Date Collected: 12/16/20 15:50 Matrix: Solid Date Received: 12/17/20 16:24

Percent Solids: 84.5

Job ID: 590-14383-6

Method: 6010D - Metals (ICP)

Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac Cadmium 0.84 01/29/21 08:38 02/01/21 12:52 ND mg/Kg

Client Sample ID: SGC-121620-25.01 Date Collected: 12/16/20 15:17

Lab Sample ID: 590-14383-13 **Matrix: Solid**

Date Received: 12/17/20 16:24

Percent Solids: 72.3

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 01/29/21 08:38 02/01/21 13:13 Cadmium ND 0.90 mg/Kg

Client Sample ID: SGC-121620-26.01 Date Collected: 12/16/20 15:32

Lab Sample ID: 590-14383-19

Matrix: Solid Percent Solids: 80.5

Date Received: 12/17/20 16:24

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Dil Fac Prepared Analyzed 01/29/21 08:38 02/01/21 13:16 Cadmium $\overline{\mathsf{ND}}$ 0.76 mg/Kg

Client Sample ID: SGC-121620-30.01 Lab Sample ID: 590-14383-31

Date Collected: 12/16/20 15:41 **Matrix: Solid** Date Received: 12/17/20 16:24 Percent Solids: 86.9

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Cadmium ND 0.85 01/29/21 08:38 02/01/21 13:34 mg/Kg

Client Sample ID: SGC-121620-34.01 Lab Sample ID: 590-14383-43

Date Collected: 12/16/20 16:04 Date Received: 12/17/20 16:24

Matrix: Solid Percent Solids: 88.3

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 01/29/21 08:38 02/01/21 13:38 Cadmium ND 0.80 mg/Kg

Client Sample ID: SGC-121620-35.01

Lab Sample ID: 590-14383-46 Date Collected: 12/17/20 08:45 **Matrix: Solid**

Date Received: 12/17/20 16:24 Percent Solids: 88.9

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 0.83 01/29/21 08:38 02/01/21 13:41 Cadmium ND mg/Kg

Lab Sample ID: 590-14383-58 Client Sample ID: SGC-121620-39.01

Date Collected: 12/17/20 09:15 Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 89.3

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RI **MDL** Unit ח Prepared Analyzed Dil Fac Cadmium ND 0.86 mg/Kg 01/29/21 08:38 02/01/21 13:45

Job ID: 590-14383-6

Client Sample ID: SGC-121620-43.01 Lab Sample ID: 590-14383-70

Date Collected: 12/17/20 09:43 Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 89.3

Method: 6010D - Metals (ICP) Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac Cadmium 0.74 01/29/21 08:38 02/01/21 13:48 ND mg/Kg

Client Sample ID: SGC-121620-45.01 Lab Sample ID: 590-14383-76

Date Collected: 12/17/20 10:00 **Matrix: Solid** Date Received: 12/17/20 16:24 Percent Solids: 88.4

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 01/29/21 08:38 02/01/21 13:52 Cadmium 0.78 mg/Kg 0.83

Client Sample ID: SGC-121620-47.01 Lab Sample ID: 590-14383-82

Date Collected: 12/17/20 10:13 Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 88.8

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Dil Fac Prepared Analyzed

01/29/21 08:38 02/01/21 13:55 Cadmium $\overline{\mathsf{ND}}$ 0.69 mg/Kg

Client Sample ID: SGC-121620-52.01 Lab Sample ID: 590-14383-97 Date Collected: 12/17/20 10:47 **Matrix: Solid** Date Received: 12/17/20 16:24 Percent Solids: 88.4

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.85 01/29/21 08:38 02/01/21 13:59 Cadmium 1.2 mg/Kg

Client Sample ID: SGC-121620-55.01 Lab Sample ID: 590-14383-106

Date Collected: 12/17/20 11:07 Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 88.6

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 01/29/21 08:38 02/01/21 14:02 Cadmium ND 0.86 mg/Kg

Lab Sample ID: 590-14383-109 Client Sample ID: SGC-121620-56.01 Date Collected: 12/17/20 11:14 **Matrix: Solid**

Date Received: 12/17/20 16:24 Percent Solids: 88.7

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 0.78 01/29/21 08:38 02/01/21 14:06 Cadmium ND mg/Kg

Client Sample ID: SGC-121620-60.01 Lab Sample ID: 590-14383-121

Date Collected: 12/17/20 11:43 **Matrix: Solid** Date Received: 12/17/20 16:24 Percent Solids: 89.5

Method: 6010D - Metals (ICP) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Cadmium ND 0.72 mg/Kg 01/29/21 08:38 02/01/21 14:23

Client Sample Results

Client: Fulcrum Environmental Job ID: 590-14383-6

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-62.01 Lab Sample ID: 590-14383-127

Date Collected: 12/17/20 11:58 East Sample 15: 000 14000 127

Date Received: 12/17/20 16:24 Percent Solids: 90.8

Method: 6010D - Metals (ICP)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

 Cadmium
 ND
 0.81
 mg/Kg
 \$\preceq\$ 01/29/21 08:38
 02/01/21 14:27

Client Sample ID: SGC-121620-66.01 Lab Sample ID: 590-14383-139

Date Collected: 12/17/20 12:30 Matrix: Solid

Date Received: 12/17/20 16:24 Percent Solids: 85.4

 Method: 6010D - Metals (ICP)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Cadmium
 ND
 0.94
 mg/Kg
 \$\frac{\text{D}}{\text{o}}\$ \frac{\text{O1/29/21 08:38}}{\text{02/01/21 14:31}}\$
 \frac{\text{Dil Fac}}{\text{02/01/21 14:31}}\$

Client Sample ID: SGC-121620-70.01 Lab Sample ID: 590-14383-151

Date Collected: 12/17/20 12:10 Matrix: Solid
Date Received: 12/17/20 16:24 Percent Solids: 87.3

Method: 6010D - Metals (ICP)

Client Sample ID: SGC-121620-71.01 Lab Sample ID: 590-14383-154

Date Collected: 12/17/20 12:16 Matrix: Solid

Date Received: 12/17/20 16:24 Percent Solids: 88.5

 Method: 6010D - Metals (ICP)
 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Cadmium
 ND
 0.80
 mg/Kg
 01/29/21 08:38
 02/01/21 14:38
 1

2/1/2021

QC Sample Results

Client: Fulcrum Environmental Job ID: 590-14383-6

RL

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-30401/2-A

Matrix: Solid

Analysis Batch: 30426

Analysis Batch: 30427

MB MB

Analyte Result Qualifier

Cadmium ND Lab Sample ID: LCS 590-30401/1-A

1.0

Spike

Added

50.0

Spike

Added

58.6

LCS LCS

MS MS

64.4

Result Qualifier

Result Qualifier 57.0

MDL Unit

mg/Kg

Unit mg/Kg

Unit

Unit

mg/Kg

mg/Kg

D %Rec Limits 114

%Rec

109

Prepared

80 - 120 Client Sample ID: SGC-121620-23.01

Client Sample ID: Method Blank

01/29/21 08:38 02/01/21 12:49

Client Sample ID: Lab Control Sample

%Rec.

%Rec.

Limits

Client Sample ID: SGC-121620-23.01

%Rec.

75 - 125

Analyzed

Prep Type: Total/NA

Prep Type: Total/NA Prep Batch: 30401

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 30401

RPD

RPD

Limit

Prep Batch: 30401

Prep Batch: 30401

Dil Fac

Lab Sample ID: 590-14383-7 MS

Matrix: Solid

Matrix: Solid

Analyte

Cadmium

Analysis Batch: 30426

Analyte

Cadmium Lab Sample ID: 590-14383-7 MSD

Matrix: Solid Analysis Batch: 30426

Analyte

Cadmium Lab Sample ID: 590-14383-7 DU

Matrix: Solid Analysis Batch: 30426

Sample Sample Analyte Result Qualifier Cadmium ND

Result Qualifier ND

Sample Sample

Sample Sample

ND

Result Qualifier

Spike Added 59.1

MSD MSD 65.3

DU DU

ND

Result Qualifier

Result Qualifier

Unit mg/Kg

%Rec Limits 75 - 125 110

Client Sample ID: SGC-121620-23.01 **Prep Type: Total/NA**

Prep Batch: 30401 RPD

RPD Limit NC 20

Eurofins TestAmerica, Spokane

2/1/2021

Page 9 of 31

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-23.01

Date Collected: 12/16/20 15:50

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-7

Matrix: Solid

Job ID: 590-14383-6

Percent Solids: 84.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.40 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 12:52	JSP	TAL SPK

Client Sample ID: SGC-121620-25.01

Date Collected: 12/16/20 15:17 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-13

Matrix: Solid Percent Solids: 72.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.54 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:13	JSP	TAL SPK

Client Sample ID: SGC-121620-26.01

Date Collected: 12/16/20 15:32

Lab Sample ID: 590-14383-19

Matrix: Solid

Date Received: 12/17/20 16:24 Percent Solids: 80.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.64 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:16	JSP	TAL SPK

Initial

Amount

1.36 g

Final

Amount

50 mL

Dil

1

Factor

Run

Client Sample ID: SGC-121620-30.01

Batch

Type

Prep

Batch

3050B

6010D

Method

Date Collected: 12/16/20 15:41 Date Received: 12/17/20 16:24

Prep Type

Total/NA

Total/NA

Lab Sample ID: 590-14383-31 **Matrix: Solid** Percent Solids: 86.9

Batch Prepared Number or Analyzed Analyst Lab 30401 01/29/21 08:38 AMB TAL SPK 30426 02/01/21 13:34 JSP TAL SPK

Analysis Client Sample ID: SGC-121620-34.01

Date Collected: 12/16/20 16:04

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-43 **Matrix: Solid**

Percent Solids: 88.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.42 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:38	JSP	TAL SPK

Client Sample ID: SGC-121620-35.01

Date Collected: 12/17/20 08:45

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-46 **Matrix: Solid** Percent Solids: 88.9

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab TAL SPK Total/NA Prep 3050B 1.35 g 50 mL 30401 01/29/21 08:38 AMR Total/NA Analysis 6010D 30426 02/01/21 13:41 JSP TAL SPK

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-39.01

Date Collected: 12/17/20 09:15

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-58

Lab Sample ID: 590-14383-82

Lab Sample ID: 590-14383-97

Lab Sample ID: 590-14383-106

Matrix: Solid

Matrix: Solid

Percent Solids: 88.6

Matrix: Solid

Percent Solids: 89.3

Job ID: 590-14383-6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.30 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:45	JSP	TAL SPK

Client Sample ID: SGC-121620-43.01

Date Collected: 12/17/20 09:43 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-70 **Matrix: Solid** Percent Solids: 89.3

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.52 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:48	JSP	TAL SPK

Client Sample ID: SGC-121620-45.01

Date Collected: 12/17/20 10:00

Lab Sample ID: 590-14383-76 **Matrix: Solid** Date Received: 12/17/20 16:24 Percent Solids: 88.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.45 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:52	JSP	TAL SPK

Client Sample ID: SGC-121620-47.01

Date Collected: 12/17/20 10:13

Matrix: Solid Date Received: 12/17/20 16:24 Percent Solids: 88.8 Initial Ratch Ratch Dil Einal Ratch Prenared

	Daten	Daten		ווט	iiiitiai	ı ıııaı	Daten	Fiepaieu		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.64 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:55	JSP	TAL SPK

Client Sample ID: SGC-121620-52.01

Date Collected: 12/17/20 10:47

Date Received: 12/17/20 16:24 Percent Solids: 88.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.33 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 13:59	JSP	TAL SPK

Client Sample ID: SGC-121620-55.01

Date Collected: 12/17/20 11:07

Date Received: 12/17/20 16:24

	Batch -	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.31 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:02	JSP	TAL SPK

Eurofins TestAmerica, Spokane

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Client Sample ID: SGC-121620-56.01

Date Collected: 12/17/20 11:14 Date Received: 12/17/20 16:24 Lab Sample ID: 590-14383-109

Matrix: Solid

Percent Solids: 88.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.44 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:06	JSP	TAL SPK

Client Sample ID: SGC-121620-60.01

Date Collected: 12/17/20 11:43 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-121

Matrix: Solid Percent Solids: 89.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.56 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:23	JSP	TAL SPK

Client Sample ID: SGC-121620-62.01

Date Collected: 12/17/20 11:58

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-127

Matrix: Solid Percent Solids: 90.8

Batch Batch Dil Initial Final Batch Prepared Number Method or Analyzed **Prep Type** Type Run **Factor Amount** Amount Analyst Lab 30401 Total/NA Prep 3050B 1.36 g 50 mL 01/29/21 08:38 AMB TAL SPK Total/NA Analysis 6010D 30426 02/01/21 14:27 JSP TAL SPK 1

Client Sample ID: SGC-121620-66.01

Date Collected: 12/17/20 12:30 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-139 **Matrix: Solid** Percent Solids: 85.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.25 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:31	JSP	TAL SPK

Client Sample ID: SGC-121620-70.01

Date Collected: 12/17/20 12:10

Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-151 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.58 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:34	JSP	TAL SPK

Client Sample ID: SGC-121620-71.01

Date Collected: 12/17/20 12:16 Date Received: 12/17/20 16:24

Lab Sample ID: 590-14383-154

Matrix: Solid

Percent Solids: 88.5

Percent Solids: 87.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.41 g	50 mL	30401	01/29/21 08:38	AMB	TAL SPK
Total/NA	Analysis	6010D		1			30426	02/01/21 14:38	JSP	TAL SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Job ID: 590-14383-6

Laboratory: Eurofins TestAmerica, Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-22

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercruy Soil Sampling

Method	Method Description	Protocol	Laboratory
6010D	Metals (ICP)	SW846	TAL SPK
3050B	Preparation, Metals	SW846	TAL SPK

Protocol References:

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

Laboratory References:

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

Job ID: 590-14383-6

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THE LEADER IN ENVIRONMENTAL TESTING

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11922 E. First Ave., Spokane WA 99206-5302 9405 SW Nimbus Ave., Beaverton, OR 97008-7145 2000 W International Airport Rd Ste A10, Anchorage, AK 99502-1119 509-924-9200 503-906-9200 907-563-9200 FAX 906-9210 FAX 563-9210 FAX 924-9290 X

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			TAT if different from Below	(509) 459-9220 Phone
			Calendar (C) or Work Days (W)	Spokane, WA 99201
JOB NO.			Analysis Turnaround Time	207 West Boone Avenue
of COCs	Carrier:	Lab Contact:	Tel/Fax:	Fulcrum Environmental Consulting, Inc.
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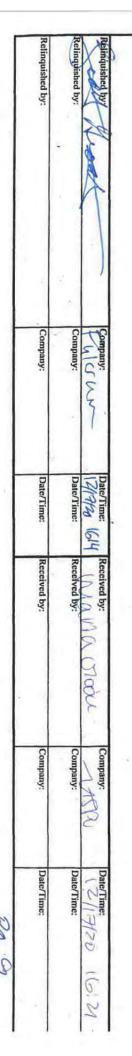
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Sample Specific Notes:

Page 23 of 31

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Sample Identification



Possible Hazard Identification

Non-Hazard

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

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Special Instructions/QC Requirements & Comments:

- Flammable

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Monti

Months

		Chain of Custody Record	cord	THE LEADER IN ENVIRONMENTAL TESTING
				TestAmerica Laboratories, Inc.
Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax:	Lab Contact:	Carrier:	of cocs
207 West Boone Avenue	Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below			
(509) 459-9219 FAX	2 weeks			SDG No.
Project Name: Sundance Phase II	1 week	A CONTRACTOR OF THE PROPERTY O		
Sile				
TO #	l day	Simi		
Sample Identification	Sample Sample Sample Date Time Type Matrix	ris Cont. E	2	Sample Specific Notes:
SGC-121620-49.01	17/12/10127 S			
-49.02	1029			
-49.03	1031			31
- 50.01	1633			4 of
- 50.02	Sco/			e 2
- 50.03	637			Pag
-51:01	1401			
-51.02	240			
151.03	1045		-	

Pg 10

Relinquished by Relipquished by:

Company:

Date/Time: 1614

Received by:

moori

Company:

Company:

Date/Time:

Date/Time: 12/

16:34

Company:

Company:

Date/Time:

Received by:

Company:

Date/Time:

Relinquished by:

Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4-HNO3; 5=NaOH; 6= Other Possible Hazard Identification

2.03

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Special Instructions/QC Requirements & Comments:

Flanmable

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Monte

Months

Non-Hazard

COC No: COCs	Site Contact: Lab Contact: Carrier:	Tel/Fax: Lab C	
COC No:		s Turnaround Time	
COC No:			
			ing, Inc.
1 CALCALICIACA L'AUDI AUDI CO, INC.		The second secon	Contact .
Tant's moring I aboratories Inc			
THE LEADER IN ENVIRONMENTAL TESTING	Chain of Custody Record	Chain of	
Test≱merica/2021			

					A CORP. STATE STATE OF STATE O
Client Contact	Project Manager:	S	Site Contact: Date:		COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax:	L	Lab Contact: Car	Carrier:	(/ of COCs
207 West Boone Avenue		Analysis Turnaround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)				
(509) 459-9220 Phone	TAT if different from Below				
		2 weeks			SDG No.
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Site:		0			
PO#					
	-			*	
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-55.01	4011	7			
-55,02	1109	9			
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- 56.01	11 14	,		x	
- 56.02	1116	0			
-56.03	4 1110	6	4		
Preservation Used: 1= ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	S=NaOH; 6= Other				-
Non-Hazard	Poison B] Инкломп	Sample Disposal (A ree may be assessed it samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Month	Disposal By Lab Archive For	For Months
ns/QC Requirements & Co					
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Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

	SDG No.			2 minute	EAV	0FC0 03F (003)
	200 00			TAT if different from Below	Phone	(509) 459-9220
				Calendar (C) or Work Days (W)		Spokane, WA 99201
	JOD NO.			Analysis Turnaround Time	8	207 West Boone Avenue
COCs	10	Carrier:	Lab Contact:	Tel/Fax:	Consulting, Inc.	Fulcrum Environmental Consulting, Inc.
+	COC No:	Date:	Site Contact:	Project Manager:	Client Contact	
a Laboratories, Inc.	TestAmeric		*			
ESTAMORICA REVIEW FOR THE LEADER IN ENVIRONMENTAL TESTING	THE LEADER		Chain of Custody Record	Ch		
2021						

(509) 459-9219 Project Name:

FAX

0000

1 week 2 weeks

2 days 1 day

Pillered Sample

PO#

12/620-

57.01

2/4/2 Sample

127 Sample Time

Sample Type

Matrix

of Cont.

Hg

Sample Specific Notes:

Page 26 of 31

126

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Sample Identification

nquished by:	nquished by:	inquished by:
Company:	Company:	Company:
Date/Time:	Date/Time:	Date/Time:
Received by:	Received by:	Received by:
Company:	Company:	Company:
Date/Time:	Date/Time:	Date/Time: 12/13/120 16:2

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Mont

Months

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Special Instructions/QC Requirements & Comments:

Non-Hazard

Calendar (C) or Work Days (W)	Analysis Turnaround Time	TeVFax: Lab Contact:	Project Manager: Site Contact:	Chain of Cu
		ct: Carrier:	ct: Date:	Chain of Custody Record
	Job No.	of COCs	COC No:	TestAmerica Laboratorics, Inc.

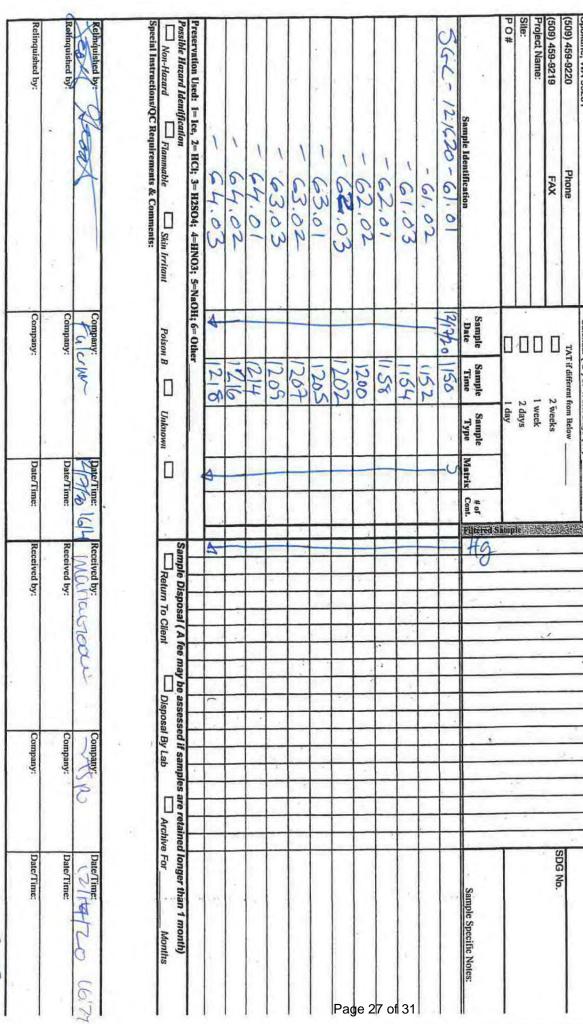
Spokane, WA 99201 207 West Boone Avenue

Phone

TAT if different from Below

Fulcrum Environmental Consulting, Inc.

Client Contact



	Ch	Chain of Custody Record		Testamerica
				TestAmerica Laboratories, Inc
Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax:	Lab Contact:	Carrier:	14 of cocs
207 West Boone Avenue	Analysis Turnsround Time			Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below			
(509) 459-9219 FAX	2 weeks			SDG NB.
		֡֡֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜֜		
Project Name:				
Project Name: Site:	1 week Pan	le		

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Sample Identification

Sample Date

Sample Time

Sample Type

Matrix

of

Sample Specific Notes:

Page 28 of 31

Filtered Sample

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Relinquished by: Relinquished by: Relinquished by: Company: Company: Company: Date/Time: Date/Time: 6 Received by: Received by: Received by: Mode Company: Company Company: Date/Time: Date/Time: Date/Time: 16/33

Special Instructions/QC Requirements & Comments:

- Flanmable

Skin Irritant

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Monte

Months

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Possible Hazard Identification

Non-Hazard

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

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Chain
of
Custody
Record

TestAmerica /2021

1 75.03	SDG No	Client Contact Project Manager: Site Contact: Date: COC No: Fulcrum Environmental Consulting, Inc. Tel/Fax: Lab Contact: Carrier: of Of No.
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months	SDG No. Sample Specific Notes:	1 1 1 1 1 1 1 1 1

Spokane, NA 99206 Phone: 509.924.9200 Fax:

P 0 #

Phone:

City/State/Zip: Address

Project Name

Company Name:

Chain of Custody Record

Test-America

Special Instructions/QC Requirements & Comments: 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 Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other____ 12/620-30.0 Sample Identification Client Contact 300.02 Yes 00 301.02 10,108 300.03 301.03 1.03 Skin Irritant Project Manager: Tel/Fax: Sample Custody Seal No.: Company: Regulatory Program: DW NPDES CALENDAR DAYS Poison B TAT if different from Below Analysis Turnaround Time Sample 1314 2 days 1 week 2 weeks Sample Type (C=Comp, G=Grab) Unknown WORKING DAYS 21972 (614 Site Contact: Filtered Sample (Y/N) Lab Contact: RCRA Perform MS / MSD (Y / N) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return to Client Other: Cooler Temp. ("C): Obs'd: Disposal by Lab Date: Carrier: 013996 Corr'd: Archive for Date/Time: For Lab Use Only: Lab Sampling: THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc. Therm ID No. Walk-in Client: Job / SDG No. Sample Specific Notes: of COCs TAL-8210 (0713) 6.24 Page 30 of 31 2/1/2021

Possible Hazard Identification:

Relinquished by:

Company

Date/Time:

Received in Laboratory by:

Company

Date/Time

Company

Custody Seals Intact:

Client: Fulcrum Environmental

Job Number: 590-14383-6

Login Number: 14383 List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	No analysis requiring residual chlorine check assigned.



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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-14383-5

Client Project/Site: Kinney Sundance Mercury Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

tanduit trington

Authorized for release by: 12/30/2020 3:44:31 PM

Randee Arrington, Project Manager II (509)924-9200

Randee.Arrington@Eurofinset.com

LINKS

Review your project results through

Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Definitions	5
Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	9
Method Summary	10
Chain of Custody	11
Receint Checklists	27

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-5

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 12/17/2020 4:24 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0° C and 4.1° C.

Receipt Exceptions

The following samples were composited and activated for TCLP Hg analysis on 12/28/20 per the clients request: SGC-121620-21.01 (590-14383-1), SGC-121620-22.01 (590-14383-4), SGC-121620-23.01 (590-14383-7), SGC-121620-24.01 (590-14383-10), SGC-121620-25.01 (590-14383-13), SGC-121620-25B.01 (590-14383-16), SGC-121620-26.01 (590-14383-19), SGC-121620-27.01 (590-14383-22), SGC-121620-28.01 (590-14383-25), SGC-121620-29.01 (590-14383-28), SGC-121620-30.01 (590-14383-31), SGC-121620-31.01 (590-14383-34), SGC-121620-32.01 (590-14383-37), SGC-121620-33.01 (590-14383-40), SGC-121620-34.01 (590-14383-43), SGC-121620-35.01 (590-14383-46), SGC-121620-36.01 (590-14383-49), SGC-121620-37.01 (590-14383-52), SGC-121620-38.01 (590-14383-55), SGC-121620-39.01 (590-14383-58), SGC-121620-40.01 (590-14383-61), SGC-121620-42.01 (590-14383-67), SGC-121620-43.01 (590-14383-70), SGC-121620-44.01 (590-14383-73), SGC-121620-45.01 (590-14383-76), SGC-121620-46.01 (590-14383-79), SGC-121620-47.01 (590-14383-82), SGC-121620-48.01 (590-14383-85), SGC-121620-49.01 (590-14383-88), SGC-121620-50.01 (590-14383-91), SGC-121620-51.01 (590-14383-94), SGC-121620-52.01 (590-14383-97), SGC-121620-53.01 (590-14383-100), SGC-121620-54.01 (590-14383-103), SGC-121620-55.01 (590-14383-106), SGC-121620-56.01 (590-14383-109), SGC-121620-57.01 (590-14383-112), SGC-121620-58.01 (590-14383-115), SGC-121620-59.01 (590-14383-118), SGC-121620-60.01 (590-14383-121), SGC-121620-61.01 (590-14383-124), SGC-121620-62.01 (590-14383-127), SGC-121620-63.01 (590-14383-130), SGC-121620-64.01 (590-14383-133), SGC-121620-65.01 (590-14383-136), SGC-121620-66.01 (590-14383-139), SGC-121620-67.01 (590-14383-142), SGC-121620-68.01 (590-14383-145), SGC-121620-69.01 (590-14383-148), SGC-121620-70.01 (590-14383-151), SGC-121620-71.01 (590-14383-154), SGC-121620-72.01 (590-14383-157), SGC-121620-73.01 (590-14383-160) and SGC-121620-301.01 (590-14383-166).

The following samples were composited and activated for TCLP Hg analysis on 12/28/20 per the clieints request: SD-120320-04 (590-14312-4), SD-120320-07 (590-14312-7), SGC-121620-32.01 (590-14383-37), SGC-121620-45.01 (590-14383-76), SGC-121620-52.01 (590-14383-97) and SGC-121620-301.01 (590-14383-166).

Metals

Method 7470A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-30130 and 590-30142 and analytical batch 590-30146 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

General Chemistry

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

Job ID: 590-14383-5

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Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Lab Sample ID Client Sample ID Matrix Collected Received Asset ID 590-14383-172 SGC-COMP-01 Solid 12/17/20 13:14 12/17/20 16:24 590-14383-173 SGC-COMP-02 Solid 12/17/20 13:14 12/17/20 16:24

Job ID: 590-14383-5

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Definitions/Glossary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-5

Qualifiers

Metals

LOQ

F1 MS and/or MSD recovery 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
CFU	Colony Forming Unit
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)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Quantitation (DoD/DOE)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
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)

TNTC Too Numerous To Count

12/30/2020

Client Sample Results

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Lab Sample ID: 590-14383-172

Client Sample ID: SGC-COMP-01

Date Collected: 12/17/20 13:14 Matrix: Solid

Date Received: 12/17/20 16:24

Method: 7470A - Mercury (CVAA) - TCLP Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Mercury ND F1 0.20 12/30/20 11:08 12/30/20 14:40 ug/L

Client Sample ID: SGC-COMP-02 Lab Sample ID: 590-14383-173

Date Collected: 12/17/20 13:14 **Matrix: Solid**

Date Received: 12/17/20 16:24

Method: 7470A - Mercury (CVAA) - TCLP Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 0.20 12/30/20 11:08 12/30/20 14:49 Mercury 0.30 ug/L

Eurofins TestAmerica, Spokane

Job ID: 590-14383-5

Spike

Added

ND

Sample Sample

ND F1

Sample Sample

ND F1

Sample Sample

Result Qualifier

Result Qualifier

2.00

Spike

Added

2.00

Spike

Added

2.00

Job ID: 590-14383-5 Project/Site: Kinney Sundance Mercury Soil Sampling

RL

0.20

LCS LCS

2.12

Result Qualifier

MDL Unit

MS MS

2.75 F1

MSD MSD

DU DU

ND

Result Qualifier

2.89 F1

Result Qualifier

Result Qualifier

ug/L

Unit

ug/L

Unit

ug/L

Unit

ug/L

Unit

ug/L

D

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 590-30142/8-A

Matrix: Solid

Analysis Batch: 30146

Mercury

Mercury

Analyte

Mercury

Analyte

Lab Sample ID: LB 590-30130/1-C **Matrix: Solid**

Analysis Batch: 30146

LB LB Result Qualifier Analyte

Lab Sample ID: 590-14383-172 MS **Matrix: Solid**

Analysis Batch: 30146

Mercury

Lab Sample ID: 590-14383-172 MSD **Matrix: Solid**

Analysis Batch: 30146

Analyte

Lab Sample ID: 590-14383-172 DU

Matrix: Solid

Analysis Batch: 30146

Analyte Result Qualifier ND F1 Mercury

Client Sample ID: Lab Control Sample

%Rec

Prepared

12/30/20 11:08

Prep Type: Total/NA

Prep Batch: 30142

106 80 - 120

Limits

Client Sample ID: Method Blank

Prep Type: TCLP

Prep Batch: 30142

Dil Fac

12/30/20 14:37

Analyzed

Client Sample ID: SGC-COMP-01

Prep Type: TCLP

Prep Batch: 30142 %Rec.

%Rec Limits 138 80 - 120

Client Sample ID: SGC-COMP-01

Prep Type: TCLP

Prep Batch: 30142

RPD %Rec. Limit %Rec Limits 145 80 - 120

Client Sample ID: SGC-COMP-01

Prep Type: TCLP

Prep Batch: 30142 **RPD**

RPD Limit NC 20

Lab Chronicle

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Client Sample ID: SGC-COMP-01 Lab Sample ID: 590-14383-172

Date Collected: 12/17/20 13:14 Matrix: Solid Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.42 g	2000.10 mL	30130	12/29/20 13:49	AMB	TAL SPK
TCLP	Prep	7470A			50 mL	50 mL	30142	12/30/20 11:08	AMB	TAL SPK
TCLP	Analysis	7470A		1			30146	12/30/20 14:40	AMB	TAL SPK

Client Sample ID: SGC-COMP-02

Lab Sample ID: 590-14383-173 Date Collected: 12/17/20 13:14 **Matrix: Solid**

Date Received: 12/17/20 16:24

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.18 g	2000.04 mL	30130	12/29/20 13:49	AMB	TAL SPK
TCLP	Prep	7470A			50 mL	50 mL	30142	12/30/20 11:08	AMB	TAL SPK
TCLP	Analysis	7470A		1			30146	12/30/20 14:49	AMB	TAL SPK

Laboratory References:

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

Job ID: 590-14383-5

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Job ID: 590-14383-5

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Pr	ogram	Identification Number	Expiration Date
Washington	St	ate	C569	01-06-21
The following analytes	are included in this report, bu	it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for w
The following analytes the agency does not of	' '	it the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for w
,	' '	it the laboratory is not certifi Matrix	ied by the governing authority. This list ma Analyte	ay include analytes for w

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Mercury Soil Sampling

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	TAL SPK
1311	TCLP Extraction	SW846	TAL SPK
7470A	Preparation, Mercury	SW846	TAL SPK

Protocol References:

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

Laboratory References:

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

Job ID: 590-14383-5

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THE LEADER IN ENVIRONMENTAL TESTING

CLIENT:

ADDRESS:

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

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

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Chain of Custody Record

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Fulcrum Environme

Spokane, WA 9920 207 West Boone Av

(509) 459-9220

PO# Project Name: (509) 459-9219 28% Special Instructions/QC Requirements & Comments: Possible Hazard Identification Relinquished by: Relinguished by: Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Relinquished by: Non-Hazard 12/620-- Flammable 0.0 10,4 \$.02 72.03 22.02 13.01 41.02 70.03 4.03 13.02 3.03 Skin Irritant 14/2/20 Company: Company: Fulch-Sample Poison B 1210 Sample Time 1214 22 124 1218 1216 130 1220 てる 2 days I day Unknown Sample Date/Time: Matrix Date/Time: # of Filtered Sample Received by: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

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Chain of Custody Record

013996

THE LEADER IN ENVIRONMENTAL TESTING TestAmerica Laboratories, Inc.

Client Contact	Project Manager:		Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	La	Lab Contact:	Carrier:	C of cocs
Address:		Analysis Turnaround Time			Sampler
City/State/Zip:	CALENDAR DAYS	WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below	Below	N)		Walk-in Client:
Fax:	2w	2 weeks	YÍ		Lab Sampling:
Project Name:	W.I.				
Site:	2 days				Job / SDG No.:
PO#	1 day				
	Samole	ample Type	fg.		
Sample Identification	Date Time	Matrix Cont.			Sample Specific Notes:
56-6-12/620-30.01	मारिक व्यक्ति	vs			
-300.02	275				
- 310.03	ろえ				
120.00	1703				
- 301.02	25				
- 301.03	1207				
-301.01	1314				
- 301.02	1 136				
50-108-	8151 4	4	4		
Possible Hazard Identification:	O3; 5=NBOH; 6= Other		Sample Disposal (A fee	may be assessed if samp	A fee may be assessed if samples are retained longer than 1 month)
Comments Section if the lab is to dispose of the sample.					
Non-Hazard Flammable Skin Irritant	nt Poison B	Unknown	Return to Client	Disposal by Lab	Archive for Months
Special Instructions/QC Requirements & Comments:					
Custody Seals Intact: Yes No	Custody Seal No.:		Cooler Temp.	emp. (°C): Obs'd: Corr'd:	r'd: Therm ID No.:
8 Show	Company:	Date/Time: 1614	MAN a GOOG		12/14/20 16:24

Client: Fulcrum Environmental

Containers requiring zero headspace have no headspace or bubble is

Job Number: 590-14383-5

12/30/2020

Login Number: 14383 List Source: Eurofins TestAmerica, Spokane

List Number: 1

MS/MSDs

<6mm (1/4").

Multiphasic samples are not present.

Question	Answer	Comment
Creator: O'Toole, Maria C		
List number: 1		

Q Radioactivity wasn't checked or is </= background as measured by a survey N/A Lab does not accept radioactive samples. N/A The cooler's custody seal, if present, is intact. Sample custody seals, if present, are intact. N/A The cooler or samples do not appear to have been compromised or True tampered with. True Samples were received on ice. 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 True HTs) 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 N/A Sample Preservation Verified. There is sufficient vol. for all requested analyses, incl. any requested True

Samples do not require splitting or compositing. True Residual Chlorine Checked. N/A No analysis requiring residual chlorine check assigned.

True

True

Eurofins TestAmerica, Spokane



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15007-1

Client Project/Site: Sundance Golf Course

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 4/27/2021 11:45:55 AM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Laboratory Job ID: 590-15007-1

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Case Narrative

Client: Fulcrum Environmental Job ID: 590-15007-1
Project/Site: Sundance Golf Course

Job ID: 590-15007-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 4/22/2021 4:01 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 10.3° C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: SGC-042221-40-1.5 (590-15007-1), SGC-042221-41-1.0 (590-15007-2), SGC-042221-42-1.5 (590-15007-3), SGC-042221-43-1.0 (590-15007-4), SGC-042221-44-1.5 (590-15007-5), SGC-042221-45-1.0 (590-15007-6), SGC-042221-46-1.5 (590-15007-7), SGC-042221-47-1.0 (590-15007-8), SGC-042221-48-1.5 (590-15007-9), SGC-042221-49-1.0 (590-15007-10), SGC-042221-50-1.5 (590-15007-11), SGC-042221-51-1.0 (590-15007-12), SGC-042221-52-1.5 (590-15007-13), SGC-042221-53-1.0 (590-15007-14), SGC-042221-54-1.5 (590-15007-15), SGC-042221-55-1.0 (590-15007-16), SGC-042221-56-1.5 (590-15007-17), SGC-042221-57-1.0 (590-15007-18), SGC-042221-58-1.5 (590-15007-19), SGC-042221-59-1.0 (590-15007-20), SGC-042221-60-1.5 (590-15007-21), SGC-042221-61-1.0 (590-15007-22), SGC-042221-62-1.5 (590-15007-23), SGC-042221-63-1.0 (590-15007-24), SGC-042221-64-1.5 (590-15007-25), SGC-042221-65-1.0 (590-15007-26), SGC-042221-66-1.5 (590-15007-27), SGC-042221-67-1.0 (590-15007-28), SGC-042221-68-1.5 (590-15007-29), SGC-042221-69-1.0 (590-15007-30), SGC-042221-70-1.5 (590-15007-31), SGC-042221-71-1.0 (590-15007-32), SGC-042221-72-1.5 (590-15007-33) and SGC-042221-73-1.0 (590-15007-34). The samples are considered acceptable since they were collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

Metals

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

General Chemistry

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

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Sample Summary

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Job ID: 590-15007-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15007-1	SGC-042221-40-1.5	Solid	04/22/21 08:30	04/22/21 16:01	
590-15007-2	SGC-042221-41-1.0	Solid	04/22/21 08:33	04/22/21 16:01	
590-15007-3	SGC-042221-42-1.5	Solid	04/22/21 08:35	04/22/21 16:01	
590-15007-4	SGC-042221-43-1.0	Solid	04/22/21 08:38	04/22/21 16:01	
590-15007-5	SGC-042221-44-1.5	Solid	04/22/21 08:42	04/22/21 16:01	
590-15007-6	SGC-042221-45-1.0	Solid	04/22/21 08:45	04/22/21 16:01	
590-15007-7	SGC-042221-46-1.5	Solid	04/22/21 08:47	04/22/21 16:01	
590-15007-8	SGC-042221-47-1.0	Solid	04/22/21 08:49	04/22/21 16:01	
590-15007-9	SGC-042221-48-1.5	Solid	04/22/21 08:50	04/22/21 16:01	
590-15007-10	SGC-042221-49-1.0	Solid	04/22/21 09:20	04/22/21 16:01	
590-15007-11	SGC-042221-50-1.5	Solid	04/22/21 09:24	04/22/21 16:01	
590-15007-12	SGC-042221-51-1.0	Solid	04/22/21 09:27	04/22/21 16:01	
590-15007-13	SGC-042221-52-1.5	Solid	04/22/21 10:38	04/22/21 16:01	
590-15007-14	SGC-042221-53-1.0	Solid	04/22/21 10:42	04/22/21 16:01	
590-15007-15	SGC-042221-54-1.5	Solid	04/22/21 10:54	04/22/21 16:01	
590-15007-16	SGC-042221-55-1.0	Solid	04/22/21 10:59	04/22/21 16:01	
590-15007-17	SGC-042221-56-1.5	Solid	04/22/21 11:01	04/22/21 16:01	
590-15007-18	SGC-042221-57-1.0	Solid	04/22/21 11:04	04/22/21 16:01	
590-15007-19	SGC-042221-58-1.5	Solid	04/22/21 12:04	04/22/21 16:01	
590-15007-20	SGC-042221-59-1.0	Solid	04/22/21 12:18	04/22/21 16:01	
590-15007-21	SGC-042221-60-1.5	Solid	04/22/21 12:20	04/22/21 16:01	
590-15007-22	SGC-042221-61-1.0	Solid	04/22/21 12:22	04/22/21 16:01	
590-15007-23	SGC-042221-62-1.5	Solid	04/22/21 12:25	04/22/21 16:01	
590-15007-24	SGC-042221-63-1.0	Solid	04/22/21 12:29	04/22/21 16:01	
590-15007-25	SGC-042221-64-1.5	Solid	04/22/21 13:38	04/22/21 16:01	
590-15007-26	SGC-042221-65-1.0	Solid	04/22/21 13:42	04/22/21 16:01	
590-15007-27	SGC-042221-66-1.5	Solid	04/22/21 13:45	04/22/21 16:01	
590-15007-28	SGC-042221-67-1.0	Solid	04/22/21 13:50	04/22/21 16:01	
590-15007-29	SGC-042221-68-1.5	Solid	04/22/21 13:51	04/22/21 16:01	
590-15007-30	SGC-042221-69-1.0	Solid	04/22/21 13:56	04/22/21 16:01	
590-15007-31	SGC-042221-70-1.5	Solid	04/22/21 14:44	04/22/21 16:01	
590-15007-32	SGC-042221-71-1.0	Solid	04/22/21 14:48	04/22/21 16:01	
590-15007-33	SGC-042221-72-1.5	Solid	04/22/21 14:52		
590-15007-34	SGC-042221-73-1.0	Solid	04/22/21 14:56		

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15007-1

Project/Site: Sundance Golf Course

Qualifiers

Metals

Qualifier Qualifier Description

F1 MS and/or MSD recovery 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
CFU Colony Forming Unit
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)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
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)

TNTC Too Numerous To Count

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Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-40-1.5 Lab Sample ID: 590-15007-1

Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		24		ug/Kg	<u></u>	04/26/21 09:13	04/26/21 16:20	1

Client Sample ID: SGC-042221-41-1.0 Lab Sample ID: 590-15007-2

Date Collected: 04/22/21 08:33 Matrix: Solid
Date Received: 04/22/21 16:01 Percent Solids: 90.3

Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		26		ug/Kg	₩	04/26/21 09:13	04/26/21 16:30	1

Client Sample ID: SGC-042221-42-1.5 Lab Sample ID: 590-15007-3

 Date Collected: 04/22/21 08:35
 Matrix: Solid

 Date Received: 04/22/21 16:01
 Percent Solids: 90.0

Me	thod: 7471A - Mercury (CVAA)									
Ana	alyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mei	reury	ND		28		ug/Kg	₽	04/26/21 09:13	04/26/21 16:32	1
_										

Client Sample ID: SGC-042221-43-1.0

Date Collected: 04/22/21 08:38

Matrix: Solid

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-4

Matrix: Solid

Percent Solids: 93.5

Method: 7471A - Mercury (CVA	A)								
Analyte	Result Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Mercury	230	29		ug/Kg	<u></u>	(04/26/21 09:13	04/26/21 16:34	1

Client Sample ID: SGC-042221-44-1.5 Lab Sample ID: 590-15007-5

 Date Collected: 04/22/21 08:42
 Matrix: Solid

 Date Received: 04/22/21 16:01
 Percent Solids: 89.8

Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		21		ug/Kg	*	04/26/21 09:13	04/26/21 16:56	1

Client Sample ID: SGC-042221-45-1.0

Date Collected: 04/22/21 08:45

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-6

Matrix: Solid

Percent Solids: 87.6

Method: 7471A - Mercury (CVAA	.)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		25		ug/Kg	*	04/26/21 09:13	04/26/21 16:58	1

Client Sample ID: SGC-042221-46-1.5

Date Collected: 04/22/21 08:47

Lab Sample ID: 590-15007-7

Matrix: Solid

Date Collected: 04/22/21 08:47

Date Received: 04/22/21 16:01

Method: 7471A - Mercury (CVAA)

Method: 7471A - Mercury (CVA)	4)							
Analyte	Result Q	ualifier l	L MDI	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	33		33	ug/Kg	₽	04/26/21 09:13	04/26/21 17:00	1

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Oliant Canada ID: 000 040004 47

Client Sample ID: SGC-042221-47-1.0 Lab Sam

Result Qualifier

ND

Date Collected: 04/22/21 08:49 Date Received: 04/22/21 16:01

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-8

Matrix: Solid

Matrix: Solid
Percent Solids: 88.4

 Method: 7471A - Mercury (CVAA)

 Analyte
 Result Mercury
 Qualifier
 RL ug/Kg
 MDL ug/Kg
 D unit ug/Kg
 D ug/Kg
 Prepared vg/kg/21/19:13
 Analyzed vg/kg/21/17:03
 D vg/kg/21/17:03
 D vg/kg/21/21/21

Client Sample ID: SGC-042221-48-1.5

Date Collected: 04/22/21 08:50

Lab Sample ID: 590-15007-9

Matrix: Solid

Percent Solids: 88.4

 Method: 7471A - Mercury (CVAA)
 Result Moderate
 Result Result Moderate
 Result Result Moderate
 MDL Unit Result Resul

Client Sample ID: SGC-042221-49-1.0

Date Collected: 04/22/21 09:20 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-10

Matrix: Solid

Percent Solids: 88.4

Percent Solids: 91.1

 Method: 7471A - Mercury (CVAA)
 Result Mercury
 Qualifier
 RL ug/Kg
 MDL ug/Kg
 Unit ug/Kg
 D value val

Client Sample ID: SGC-042221-50-1.5

Date Collected: 04/22/21 09:24 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-11

Matrix: Solid

Method: 7471A - Mercury (CVAA)
Analyte

Mercury

Client Sample ID: SGC-042221-51-1.0 Date Collected: 04/22/21 09:27
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 29
 ug/Kg
 □ 04/26/21 09:13
 04/26/21 17:10
 1

Lab Sample ID: 590-15007-12

Matrix: Solid
Percent Solids: 85.4

Method: 7471A - Mercury (CVAA)

Date Received: 04/22/21 16:01

 Analyte
 Result Mercury
 Qualifier
 RL ND
 MDL ug/Kg
 Unit ug/Kg
 D 04/26/21 09:13
 Analyzed Analyzed

Client Sample ID: SGC-042221-52-1.5

Date Collected: 04/22/21 10:38 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-13

Matrix: Solid
Percent Solids: 91.5

Method: 7471A - Mercury (CVAA)

 Analyte
 Result Mercury
 Qualifier
 RL
 MDL ug/Kg
 Unit ug/Kg
 D 04/26/21 09:13
 Prepared 04/26/21 17:14
 Analyzed Dil Fac 04/26/21 17:14

Client Sample ID: SGC-042221-53-1.0

Date Collected: 04/22/21 10:42 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-14

Matrix: Solid

Percent Solids: 89.9

Method: 7471A - Mercury (CVAA)

 Analyte
 Result
 Qualifier
 RL
 MDL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Mercury
 ND
 27
 ug/Kg
 \$\frac{1}{20}\$ 04/26/21 09:13 04/26/21 17:17
 1

Client Sample ID: SGC-042221-54-1.5

Lab Sample ID: 590-15007-15

Matrix: Solid

Date Collected: 04/22/21 10:54 Date Received: 04/22/21 16:01

Percent Solids: 92.0

Method: 7471A - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	25	ug/Kg	₩	04/26/21 09:13	04/26/21 17:24	1

Client Sample ID: SGC-042221-55-1.0 Lab

Lab Sample ID: 590-15007-16

Matrix: Solid

Date Collected: 04/22/21 10:59 Date Received: 04/22/21 16:01

Percent Solids: 90.2

Method: 7471A - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	28	22	ug/Kg	₩	04/26/21 09:13	04/26/21 17:26	1

Client Sample ID: SGC-042221-56-1.5 Lab Sample ID: 590-15007-17

Date Collected: 04/22/21 11:01 Matrix: Solid
Date Received: 04/22/21 16:01 Percent Solids: 90.9

Method: 7471A - Mercury (CVAA)

Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		25		ug/Kg		04/26/21 09:13	04/26/21 17:29	1

Client Sample ID: SGC-042221-57-1.0 Lab Sample ID: 590-15007-18

 Date Collected: 04/22/21 11:04
 Matrix: Solid

 Date Received: 04/22/21 16:01
 Percent Solids: 89.0

Method: 7471A - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	21	ug/Kg	₩	04/26/21 09:13	04/26/21 17:31	1

Client Sample ID: SGC-042221-58-1.5 Lab Sample ID: 590-15007-19

 Date Collected: 04/22/21 12:04
 Matrix: Solid

 Date Received: 04/22/21 16:01
 Percent Solids: 92.8

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	F1	23		ug/Kg	☆	04/26/21 11:01	04/26/21 17:45	1

Client Sample ID: SGC-042221-59-1.0 Lab Sample ID: 590-15007-20

Date Collected: 04/22/21 12:18 Matrix: Solid

Date Received: 04/22/21 16:01 Percent Solids: 90.1

Method: 7471A - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	25	ug/Kg	₩	04/26/21 11:01	04/26/21 17:55	1

Client Sample ID: SGC-042221-60-1.5 Lab Sample ID: 590-15007-21

Date Collected: 04/22/21 12:20 Matrix: Solid
Date Received: 04/22/21 16:01 Percent Solids: 85.9

Method: 7471A - Mercury (CVAA)

monoury (evily)	,							
Analyte	Result (Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5700		440	ug/Kg	₩	04/26/21 11:01	04/27/21 08:55	20

Client Sample ID: SGC-042221-61-1.0 Lab Sample ID: 590-15007-22 Date Collected: 04/22/21 12:22 Matrix: Solid Date Received: 04/22/21 16:01

Percent Solids: 84.2

Method: 7471A - Mercury (CVAA) Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac Mercury 25 04/26/21 11:01 04/26/21 17:59 ND ug/Kg

Client Sample ID: SGC-042221-62-1.5 Lab Sample ID: 590-15007-23 Date Collected: 04/22/21 12:25 **Matrix: Solid**

Date Received: 04/22/21 16:01 Percent Solids: 93.1

Method: 7471A - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Mercury ND 22 ug/Kg 04/26/21 11:01 04/26/21 18:07

Client Sample ID: SGC-042221-63-1.0 Lab Sample ID: 590-15007-24

Date Collected: 04/22/21 12:29 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 91.3

Method: 7471A - Mercury (CVAA) **MDL** Unit Analyte Result Qualifier RL Dil Fac Prepared Analyzed 25 04/26/21 11:01 04/26/21 18:10 Mercury 28 ug/Kg

Client Sample ID: SGC-042221-64-1.5 Lab Sample ID: 590-15007-25 Date Collected: 04/22/21 13:38 **Matrix: Solid**

Date Received: 04/22/21 16:01 Percent Solids: 82.1

Method: 7471A - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Mercury ND 25 04/26/21 11:01 04/26/21 18:12 ug/Kg

Client Sample ID: SGC-042221-65-1.0 Lab Sample ID: 590-15007-26

Date Collected: 04/22/21 13:42 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 92.5

Method: 7471A - Mercury (CVAA) RL Analyte Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac 24 04/26/21 11:01 04/26/21 18:14 Mercury ND ug/Kg

Lab Sample ID: 590-15007-27 Client Sample ID: SGC-042221-66-1.5 Date Collected: 04/22/21 13:45 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 91.6

Method: 7471A - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 26 04/26/21 11:01 04/26/21 18:17 48 ug/Kg Mercury

Client Sample ID: SGC-042221-67-1.0 Lab Sample ID: 590-15007-28 Date Collected: 04/22/21 13:50 **Matrix: Solid**

Date Received: 04/22/21 16:01 Percent Solids: 86.0

Method: 7471A - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac Mercury 31 22 ug/Kg 04/26/21 11:01 04/26/21 18:19

4/27/2021

Client Sample ID: SGC-042221-68-1.5

Lab Sample ID: 590-15007-29

Job ID: 590-15007-1

	Mat	rix: S	Solid
Percent	Sol	lids:	91 1

Date Collected: 04/22/21 13:51 Date Received: 04/22/21 16:01

Analyte	Result	Qualifier	RL	MDL Un	it D)	Prepared	Analyzed	Dil Fac
Mercury	ND		25	ug/	Kg ‡	<u>`</u>	04/26/21 11:01	04/26/21 18:21	1

Client Sample ID: SGC-042221-69-1.0

Lab Sample ID: 590-15007-30 Date Collected: 04/22/21 13:56 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 93.4

Mothod: 7471A - Mercury (CVAA)

Welliou. 141 IA - Welculy (CVAA))								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	180		20		ug/Kg	₩	04/26/21 11:01	04/26/21 18:24	1

Client Sample ID: SGC-042221-70-1.5 Lab Sample ID: 590-15007-31

Date Collected: 04/22/21 14:44 Matrix: Solid

Date Received: 04/22/21 16:01 Percent Solids: 89.9

Method: 7471A - Mercury (CVAA)

Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Mercury	ND		24		ug/Kg	<u></u>	04/26/21 11:01	04/26/21 18:26	1	

Client Sample ID: SGC-042221-71-1.0 Lab Sample ID: 590-15007-32

Date Collected: 04/22/21 14:48 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 83.4

Method: 7471A - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	35	22	ug/Kg	— <u>—</u>	04/26/21 11:01	04/26/21 18:29	1

Client Sample ID: SGC-042221-72-1.5 Lab Sample ID: 590-15007-33

Date Collected: 04/22/21 14:52 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 90.1

Method: 7471A - Mercury (CVAA)

iniculou. 171 IA - iniculally (OVA	v~)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Mercury	33		23		ua/Ka		04/26/21 11:01	04/26/21 18:36	1	

Client Sample ID: SGC-042221-73-1.0 Lab Sample ID: 590-15007-34 Date Collected: 04/22/21 14:56 Matrix: Solid

Date Received: 04/22/21 16:01

Method: 7471A - Mercury (CVA	A)							
Analyte	Result Qualifie	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	470	21		ug/Kg		04/26/21 11:01	04/26/21 18:38	1

Percent Solids: 89.7

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Job ID: 590-15007-1

Prep Batch: 355080

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-355080/22-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 355171

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 30 04/26/21 09:13 04/26/21 16:13 Mercury ND ug/Kg

Lab Sample ID: LCS 580-355080/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 355080 Analysis Batch: 355171**

Spike LCS LCS %Rec. Added Result Qualifier Unit D %Rec Limits Analyte 167 166 80 - 120 Mercury ug/Kg

Lab Sample ID: LCSD 580-355080/24-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 355171 Prep Batch: 355080** LCSD LCSD

Spike %Rec. **RPD** Limits Added Result Qualifier RPD Limit Analyte Unit %Rec Mercury 167 164 98 80 - 120 ug/Kg

Lab Sample ID: 590-15007-1 MS Client Sample ID: SGC-042221-40-1.5 **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 355171

Prep Batch: 355080 Spike MS MS %Rec. Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits

134 158 80 - 120 Mercury ND ug/Kg 118

Lab Sample ID: 590-15007-1 MSD

Matrix: Solid

Analysis Batch: 355171

Prep Batch: 355080 MSD MSD Sample Sample Spike %Rec. **RPD** Analyte Result Qualifier Added Limits RPD Result Qualifier Unit %Rec Limit ND 135 161 120 80 - 120 Mercury ug/Kg

Lab Sample ID: 590-15007-1 DU Client Sample ID: SGC-042221-40-1.5 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 355171 Prep Batch: 355080 DU DU Sample Sample **RPD** Result Qualifier Result Qualifier **RPD** Limit Analyte Unit D ND Mercury ND ug/Kg

Lab Sample ID: MB 580-355098/22-A Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 355171 Prep Batch: 355098** MB MB

Result Qualifier RL **MDL** Unit **Prepared** Dil Fac Analyte Analyzed 04/26/21 11:01 04/26/21 17:38 30 Mercury ND ug/Kg

Lab Sample ID: LCS 580-355098/23-A **Client Sample ID: Lab Control Sample** Prep Type: Total/NA

Matrix: Solid Analysis Batch: 355171

Prep Batch: 355098 Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit %Rec Mercury 167 91 80 - 120 152 ug/Kg

Eurofins TestAmerica, Spokane

Client Sample ID: SGC-042221-40-1.5

Prep Type: Total/NA

QC Sample Results

Client: Fulcrum Environmental Job ID: 590-15007-1

Project/Site: Sundance Golf Course

Method: 7471A - Mercury (CVAA)

Lab Sample ID: LCSD 580-355098/24-A			(Client Sa	ample	ID: Lab	Control	Sample	e Dup
Matrix: Solid							Prep Ty	pe: Tot	al/NA
Analysis Batch: 355171							Prep Ba	itch: 3	55098
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	167	153		ug/Kg		92	80 - 120	0	20

Lab Sample ID: 590-15007- Matrix: Solid	19 MS					Clie	ent Sa	imple II		42221-58-1.5 pe: Total/NA
Analysis Batch: 355171	Sample	Sample	Spike	MS	MS				Prep Ba	atch: 355098
Analyte Mercury	Result ND	Qualifier F1	Added 126	Result 154	Qualifier F1	Unit ug/Kg	<u>D</u>	%Rec 122	Limits 80 - 120	

Lab Sample ID: 590-15007- Matrix: Solid Analysis Batch: 355171	-19 MSD					Cli	ent Sa	ample II	D: SGC-04 Prep Ty Prep Ba	pe: Tot	al/NA
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	ND	F1	128	145		ug/Kg	— <u></u>	114	80 - 120	6	20

_ •					0 0				
Lab Sample ID: 590-15007-	19 DU				Cli	ent Samp	le ID: SGC-04222		
Matrix: Solid							Prep Type: 7	ota	ıl/NA
Analysis Batch: 355171							Prep Batch:	35	5098
-	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RP	D	Limit
Mercury	ND	F1	 ND		ug/Kg			C	20

2

Job ID: 590-15007-1

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-40-1.5

Date Collected: 04/22/21 08:30 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-1

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-40-1.5

Date Collected: 04/22/21 08:30 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-1 Matrix: Solid

Percent Solids: 91.0

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8188 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 16:20	C1K	TAL SEA

Client Sample ID: SGC-042221-41-1.0

Date Collected: 04/22/21 08:33 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-2

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-41-1.0

Date Collected: 04/22/21 08:33 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-2 Matrix: Solid

Percent Solids: 90.3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7548 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 16:30	C1K	TAL SEA

Client Sample ID: SGC-042221-42-1.5

Date Collected: 04/22/21 08:35

Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-42-1.5

Date Collected: 04/22/21 08:35

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-3

Lab Sample ID: 590-15007-4

Lab Sample ID: 590-15007-3

Matrix: Solid Percent Solids: 90.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7024 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 16:32	C1K	TAL SEA

Client Sample ID: SGC-042221-43-1.0

Date Collected: 04/22/21 08:38

Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

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Matrix: Solid

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Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-43-1.0

Date Collected: 04/22/21 08:38 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-4

Matrix: Solid

Percent Solids: 93.5

Job ID: 590-15007-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6624 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 16:34	C1K	TAL SEA

Client Sample ID: SGC-042221-44-1.5

Date Collected: 04/22/21 08:42 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-44-1.5

Date Collected: 04/22/21 08:42 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-5

Matrix: Solid Percent Solids: 89.8

Batch Batch Batch Dil Initial Final Prepared **Prep Type** Type Method **Amount** Amount Number or Analyzed Analyst Lab Run **Factor** Total/NA Prep 7471A 0.9562 g 355080 04/26/21 09:13 JLS TAL SEA 50 mL Total/NA Analysis 7471A 355171 04/26/21 16:56 C1K TAL SEA

Client Sample ID: SGC-042221-45-1.0

Date Collected: 04/22/21 08:45 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-6

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-45-1.0

Date Collected: 04/22/21 08:45

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-6 Matrix: Solid Percent Solids: 87.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8263 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 16:58	C1K	TAL SEA

Client Sample ID: SGC-042221-46-1.5

Date Collected: 04/22/21 08:47 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-46-1.5

Date Collected: 04/22/21 08:47 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-7

Matrix: Solid

Percent Solids: 91.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6068 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:00	C1K	TAL SEA

Client Sample ID: SGC-042221-47-1.0 Lab Sa

Date Collected: 04/22/21 08:49 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-8
Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
L	Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-47-1.0

Date Collected: 04/22/21 08:49 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-8 Matrix: Solid

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8467 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:03	C1K	TAL SEA

Client Sample ID: SGC-042221-48-1.5

Date Collected: 04/22/21 08:50

Date Received: 04/22/21 16:01

Lab	Sample	ID:	590-15007-9
			Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-48-1.5

Date Collected: 04/22/21 08:50

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-9

Matrix: Solid

Percent Solids: 88.4

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7087 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:05	C1K	TAL SEA

Client Sample ID: SGC-042221-49-1.0

Date Collected: 04/22/21 09:20 Date Received: 04/22/21 16:01

GC-042221-49-1.0 Lab Sample ID: 590-15007-10 09:20 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JLB	TAL SEA

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-49-1.0

Date Collected: 04/22/21 09:20 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-10

Matrix: Solid Percent Solids: 88.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9634 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:07	C1K	TAL SEA

Client Sample ID: SGC-042221-50-1.5

Date Collected: 04/22/21 09:24 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-50-1.5

Date Collected: 04/22/21 09:24 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-11

Matrix: Solid Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6906 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:10	C1K	TAL SEA

Client Sample ID: SGC-042221-51-1.0

Date Collected: 04/22/21 09:27 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-12

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-51-1.0

Date Collected: 04/22/21 09:27

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-12

Matrix: Solid

Percent Solids: 85.4

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7852 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:12	C1K	TAL SEA

Client Sample ID: SGC-042221-52-1.5

Date Collected: 04/22/21 10:38 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-13

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Method Number **Prep Type** Type Factor Amount Amount or Analyzed Run Analyst Lab 2540G 355124 04/26/21 14:38 JLB TAL SEA Total/NA Analysis

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-52-1.5

Date Collected: 04/22/21 10:38 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-13

Matrix: Solid

Percent Solids: 91.5

Job ID: 590-15007-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7453 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:14	C1K	TAL SEA

Client Sample ID: SGC-042221-53-1.0

Date Collected: 04/22/21 10:42 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-53-1.0

Date Collected: 04/22/21 10:42

Lab Sample ID: 590-15007-14

Lab Sample ID: 590-15007-15

Matrix: Solid

Matrix: Solid

Date Received: 04/22/21 16:01 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	7471A			0.7389 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:17	C1K	TAL SEA

Client Sample ID: SGC-042221-54-1.5

Date Collected: 04/22/21 10:54

Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-54-1.5

Date Collected: 04/22/21 10:54

Date Received: 04/22/21 16:01

Lab Sample ID:	590-15007-15
	Matrix: Solid

Lab Sample ID: 590-15007-16

Percent Solids: 92.0

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7789 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:24	C1K	TAL SEA

Client Sample ID: SGC-042221-55-1.0

Date Collected: 04/22/21 10:59

Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JLB	TAL SEA

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-55-1.0 Lab Sample ID: 590-15007-16

Date Collected: 04/22/21 10:59 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 90.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8889 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:26	C1K	TAL SEA

Lab Sample ID: 590-15007-17 Client Sample ID: SGC-042221-56-1.5 Matrix: Solid

Date Collected: 04/22/21 11:01 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-56-1.5 Lab Sample ID: 590-15007-17

Date Collected: 04/22/21 11:01 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 90.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7887 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:29	C1K	TAL SEA

Client Sample ID: SGC-042221-57-1.0 Lab Sample ID: 590-15007-18 **Matrix: Solid**

Date Collected: 04/22/21 11:04

Date Received: 04/22/21 16:01

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JI B	TAL SEA	

Client Sample ID: SGC-042221-57-1.0 Lab Sample ID: 590-15007-18

Date Collected: 04/22/21 11:04 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 89.0

Dana Tana	Batch	Batch	Dom	Dil	Initial	Final	Batch	Prepared	Amalust	Lab
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9562 g	50 mL	355080	04/26/21 09:13	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:31	C1K	TAL SEA

Client Sample ID: SGC-042221-58-1.5 Lab Sample ID: 590-15007-19

Date Collected: 04/22/21 12:04 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JLB	TAL SEA	

Matrix: Solid

Client Sample ID: SGC-042221-58-1.5

Date Collected: 04/22/21 12:04 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-19

Matrix: Solid Percent Solids: 92.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8438 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:45	C1K	TAL SEA

Client Sample ID: SGC-042221-59-1.0

Date Collected: 04/22/21 12:18 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-20

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-59-1.0

Date Collected: 04/22/21 12:18 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-20

Matrix: Solid Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7940 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:55	C1K	TAL SEA

Client Sample ID: SGC-042221-60-1.5

Date Collected: 04/22/21 12:20

Date Received: 04/22/21 16:01

Lab Sample ID:	590-15007-21
	Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
L	Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-60-1.5

Date Collected: 04/22/21 12:20

Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-21 Matrix: Solid

Percent Solids: 85.9

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Total/NA	Prep	7471A			0.9542 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
l	Total/NA	Analysis	7471A		20			355171	04/27/21 08:55	C1K	TAL SEA

Client Sample ID: SGC-042221-61-1.0

Date Collected: 04/22/21 12:22 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-22 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JLB	TAL SEA	

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Date Collected: 04/22/21 12:22

Date Received: 04/22/21 16:01

Client Sample ID: SGC-042221-61-1.0

Lab Sample ID: 590-15007-22

Matrix: Solid

Percent Solids: 84.2

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 590-15007-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8583 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 17:59	C1K	TAL SEA

Client Sample ID: SGC-042221-62-1.5 Lab Sample ID: 590-15007-23

Date Collected: 04/22/21 12:25 Date Received: 04/22/21 16:01

Batch

Batch

Batch Prepared

Number **Prep Type** Method Run **Amount Amount** or Analyzed Type **Factor** Analyst Lab Total/NA Analysis 2540G 355124 04/26/21 14:38 JLB TAL SEA

Initial

Final

Dil

Client Sample ID: SGC-042221-62-1.5 Lab Sample ID: 590-15007-23

Date Collected: 04/22/21 12:25 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 93.1

Dil Batch Batch Batch Initial Final **Prepared** Method Factor Number or Analyzed **Prep Type** Type Run **Amount** Amount **Analyst** Lab Total/NA Prep 7471A 355098 04/26/21 11:01 JCP TAL SEA 0.8873 g 50 mL Total/NA Analysis 7471A 1 355171 04/26/21 18:07 C1K TAL SEA

Client Sample ID: SGC-042221-63-1.0 Lab Sample ID: 590-15007-24

Date Collected: 04/22/21 12:29 Date Received: 04/22/21 16:01

Dil Batch Initial Final Batch **Prepared** Batch Prep Type Type Method **Factor** Amount Amount Number or Analyzed Run Analyst Lab 2540G 355124 Total/NA Analysis 04/26/21 14:38 JLB TAL SEA

Client Sample ID: SGC-042221-63-1.0 Lab Sample ID: 590-15007-24

Date Collected: 04/22/21 12:29 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 91.3

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Type Method Run Factor Amount Amount Number or Analyzed **Analyst** Lab Total/NA Prep 7471A 355098 04/26/21 11:01 JCP TAL SEA 0.7756 g 50 mL Total/NA Analysis 7471A 355171 04/26/21 18:10 C1K TAL SEA 1

Client Sample ID: SGC-042221-64-1.5 Lab Sample ID: 590-15007-25

Date Collected: 04/22/21 13:38 Date Received: 04/22/21 16:01

Dil Final Batch Batch Initial Batch Prepared Type Method Factor Amount Amount Number or Analyzed **Prep Type** Run Analyst Lab 04/26/21 14:38 TAL SEA 355124 2540G JLB Total/NA Analysis

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-64-1.5

Date Collected: 04/22/21 13:38 Date Received: 04/22/21 16:01 Lab Sample ID: 590-15007-25

Matrix: Solid Percent Solids: 82.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8714 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:12	C1K	TAL SEA

Client Sample ID: SGC-042221-65-1.0

Date Collected: 04/22/21 13:42 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-26

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-65-1.0

Date Collected: 04/22/21 13:42 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-26

Matrix: Solid Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8183 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:14	C1K	TAL SEA

Client Sample ID: SGC-042221-66-1.5

Date Collected: 04/22/21 13:45 Date Received: 04/22/21 16:01

Lab Sample ID: 590-15007-27 **Matrix: Solid**

Lab Sample ID: 590-15007-27

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-66-1.5

Date Collected: 04/22/21 13:45

Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 91.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7560 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:17	C1K	TAL SEA

Client Sample ID: SGC-042221-67-1.0

Lab Sample ID: 590-15007-28 Date Collected: 04/22/21 13:50 **Matrix: Solid** Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:38	JLB	TAL SEA	

Client: Fulcrum Environmental
Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-67-1.0 Lab Sample ID: 590-15007-28

 Date Collected: 04/22/21 13:50
 Matrix: Solid

 Date Received: 04/22/21 16:01
 Percent Solids: 86.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9358 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:19	C1K	TAL SEA

Client Sample ID: SGC-042221-68-1.5

Date Collected: 04/22/21 13:51

Lab Sample ID: 590-15007-29

Matrix: Solid

Date Collected: 04/22/21 13:51 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-68-1.5 Lab Sample ID: 590-15007-29

Date Collected: 04/22/21 13:51

Date Received: 04/22/21 16:01

Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8003 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:21	C1K	TAL SEA

Client Sample ID: SGC-042221-69-1.0 Lab Sample ID: 590-15007-30

Date Collected: 04/22/21 13:56 Matrix: Solid

Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:38	JLB	TAL SEA

Client Sample ID: SGC-042221-69-1.0 Lab Sample ID: 590-15007-30

Date Collected: 04/22/21 13:56

Date Received: 04/22/21 16:01

Matrix: Solid
Percent Solids: 93.4

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9624 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:24	C1K	TAL SEA

Client Sample ID: SGC-042221-70-1.5 Lab Sample ID: 590-15007-31

Date Collected: 04/22/21 14:44 Matrix: Solid

Date Collected: 04/22/21 14:44 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:42	JLB	TAL SEA	

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-70-1.5

Date Collected: 04/22/21 14:44

Lab Sample ID: 590-15007-31

Matrix: Solid

Date Received:	04/22/21 1	16:01						P	ercent S	olids: 89	.9
	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Duan Time	T	Madle a d	D	F4	A 4	A	Missississis	a A a l a al	A a l a 4	I ala	

Prep Type Type Method Factor Amount Amount Number or Analyzed Analyst 7471A 355098 04/26/21 11:01 JCP TAL SEA Total/NA Prep 0.8389 g 50 mL 04/26/21 18:26 C1K Total/NA 355171 Analysis 7471A TAL SEA 1

Client Sample ID: SGC-042221-71-1.0 Lab Sample ID: 590-15007-32

Date Collected: 04/22/21 14:48 Date Received: 04/22/21 16:01

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355124	04/26/21 14:42	JLB	TAL SEA

Client Sample ID: SGC-042221-71-1.0 Lab Sample ID: 590-15007-32

Date Collected: 04/22/21 14:48 **Matrix: Solid** Date Received: 04/22/21 16:01 Percent Solids: 83.4

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9958 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:29	C1K	TAL SEA

Client Sample ID: SGC-042221-72-1.5 Lab Sample ID: 590-15007-33 Matrix: Solid

Date Collected: 04/22/21 14:52 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:42	JI B	TAL SEA	

Client Sample ID: SGC-042221-72-1.5 Lab Sample ID: 590-15007-33

Date Collected: 04/22/21 14:52 Matrix: Solid Date Received: 04/22/21 16:01 Percent Solids: 90.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8633 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:36	C1K	TAL SEA

Client Sample ID: SGC-042221-73-1.0 Lab Sample ID: 590-15007-34

Date Collected: 04/22/21 14:56 Date Received: 04/22/21 16:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G					355124	04/26/21 14:42	JLB	TAL SEA	

Matrix: Solid

Lab Chronicle

Client: Fulcrum Environmental Job ID: 590-15007-1

Project/Site: Sundance Golf Course

Client Sample ID: SGC-042221-73-1.0 Lab Sample ID: 590-15007-34

Date Collected: 04/22/21 14:56

Date Received: 04/22/21 16:01

Matrix: Solid
Percent Solids: 89.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.9409 g	50 mL	355098	04/26/21 11:01	JCP	TAL SEA
Total/NA	Analysis	7471A		1			355171	04/26/21 18:38	C1K	TAL SEA

Laboratory References:

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

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Accreditation/Certification Summary

Client: Fulcrum Environmental Job ID: 590-15007-1

Project/Site: Sundance Golf Course

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	Dept. of Energy	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2954	06-30-21
Florida	NELAP	E87575	07-30-21
Louisiana	NELAP	03073	06-30-21
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-21
New York	NELAP	11662	04-01-22
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-21
Wisconsin	State	399133460	08-31-21

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Method Summary

Client: Fulcrum Environmental Project/Site: Sundance Golf Course

Job ID: 590-15007-1

Method	Method Description	Protocol	Laboratory
7471A	Mercury (CVAA)	SW846	TAL SEA
2540G	SM 2540G	SM22	TAL SEA
7471A	Preparation, Mercury	SW846	TAL SEA

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

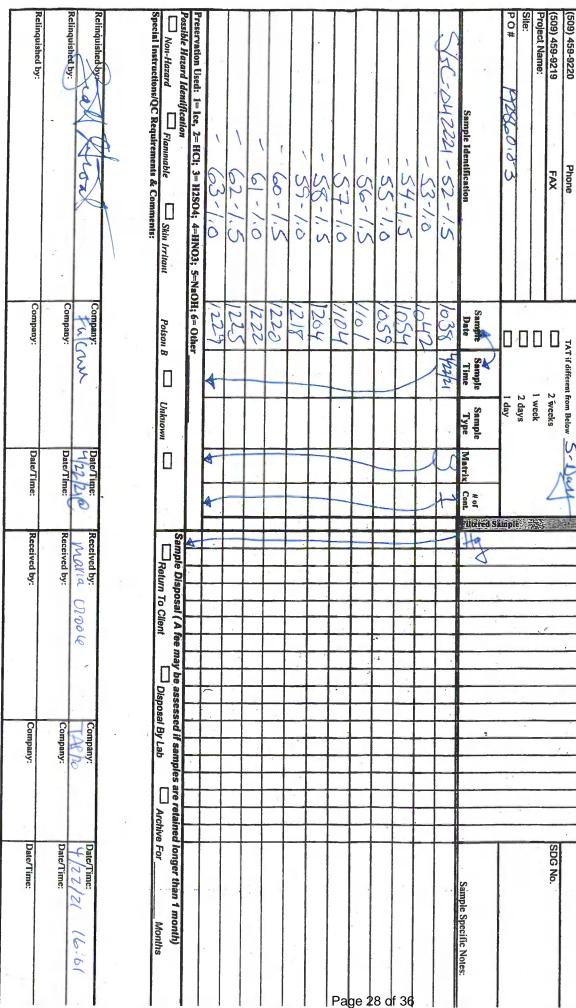
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		. ,	Cha	Chain of Custody Record	d	Test America Laboratories Inc.	Test America Laboratories Inc.
Client Contact	Project Manager: Sust	Sight	Sac	Site Contact:	Date: 4/02/21	COC No:	or acor ics, tuc.
Fulcrum Environmental Consulting, Inc.	Tel/Fax:			Lab Contact:	Carrier:	of	COCs
207 West Boone Avenue		Analysis Turnaround Time	Time			Job No.	
Spokane, WA 99201	Calendar (C)	Calendar (C) or Work Days (W)	5				
(509) 459-9220 Phone	TAT if diff	TAT if different from Below	S. Out				
		2 weeks	2			SDG No.	
Project Name: Sun David Golf Count		1 week		Pers			
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-49-1.0	8	920	-				
50-1.5	59	4		X	590-15007 Chain of Custody	Sustody	
	3	27	4	1			
rreservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification	nOH; 6= Other			Sample Disposal (A Co.			
Non-Hazard Flammable Skin Irritant	Poison B	П Илкпоwп		Return To Client	illent Disposal By Lab Archive For Monti	Archive ForM	Months
					3		
Relinquished by:	Company:		Date/Time:	Parities			
elinouished hu	th/can	(4/21/10	INJOURGE STORES	Company:	Date/Time:	(6:0)
wannihanan uy	Company:		Date/Time:	Received by:	Company:	Date/Time:	
Relinquished by:	Company:		Date/Time:	Received by:	Company:	Date∕Time:	

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of COCs	Carrier:	Lab Contact:	TeVFax:	Fulcrum Environmental Consulting, Inc.	I
COC No:	Date:	Site Contact:	Project Manager:	Chent Contact	1
TestAmerica Laboratories, Inc.	,				7
THE CROOKE IN ENVIRONMENTAL TESTING		•			
		Chain of Custody Record			
		and Control Description	25		
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20					
02					
21					
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TEMP. 10.6 -> 10.3

	С	Chain of Custody Record	· ·	THE LEADER IN ENVIRONMENTAL TESTING
Client Contact	Project Manager:	Site Contact:		TestAmerica Laboratories, Inc.
Fulcrum Environmental Consulting, Inc.	TeVFax:	Lab Contact:	Carrier:	of COCs
207 West Boone Avenue	Analysis Turparound Time			
Spokane, WA 99201	Calendar (C) or Work Days (W)			
(509) 459-9220 Phone	TAT if different from Below 5- Down			
(509) 459-9219 FAX	2 weeks		,	SDG No.
Project Name:	1 week			
Site:	2 days			
PO# 197260 03	1 day	Shipl		
Sample Identification	Sample Sample Sample #	Cont. Ha	•	Sample Specific Notes:
S1-19-12010-29				-
65-1.0	342	>		
66-1.5	1345			f 36
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7/-14	8th h1			
72-1.5	1452			
73-1.0	4 1456 T	X		

Temp: 10-6-7103

Preservation Used: 1= Ice, 2= HCi; 3= H28O4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B

Special Instructions/QC Requirements & Comments:

Poison B

Unknown

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

Return To Client Disposal By Lab Archive For Month

Months

Relinquished by:

Relinquished by:

Company:

Date/Time:

Received by:

Received by:

MACHIOLITOCH

Company:

Date/Time:

Received by:

MOLITA

Moore

Company:

Date/Time:

0.0

Date/Time:

Company:

Date/Time:

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record



💸 eurofins

Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290																										
Client Information (Sub Contract Lab)	Sampler:			A	ab PM: rringt		Rand	ee E						Carri	er Trac	king l	vio(s):				COC No: 590-5940.1					
Client Contact Shipping/Receiving	Phone:				-Mail: lande								·		of Orig hingt					Page: Page	1 of 4					
Company: Eurofins Frontier Global Sciences LLC									uired (5 - Was											Job #: 590-1	5007-1					
Address: 5755 8th Street East,	Due Date Request 4/28/2021	ted:								Δι	naly	sis	Rea	Hes	ted					Preser	vation C	odes:				
City. Tacoma	TAT Requested (d	lays):										<u> </u>					T	Τ		A - HCI B - Na(ЭH	N - N				
State, Zip: WA, 98424]																			C - Zn . D - Nitr E - Nal	ic Acid	P - Na	sNaO2 a2O4S a2SO3			
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:	7-11-11-11-11-11-11-11-11-11-11-11-11-11																		F - Me(G - Am	chlor	S-H2				
Email:	WO #:				- <u>용</u>	(OX														I - Asc I - Ice J - DI V	orbic Acid /ater		SP Dodeca cetone CAA	inydrate		
Project Name:	Project #:		***************************************		ૅ	2	ŗ.	ľ							İ				L L	K - ED1 L - ED4		W - pl		iv1		
Sundance Golf Course Site:	59001922 ssow#:	···			- Jajour	3 (7.68	o Mercuny												conta	Other:	•	2 00	ici (spesii)	,,		
	0	Sample	Sample Type (C=comp	(W=water, S≃solid, O≕waste/oil	. 1929	Perform MS/MSID (Yes or	7471A/7471A_Prep	Moisture											Total Number of	39						
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab Presen) B⊺≃Tissue, A≕ vation Code		9	7	Σ		8151						800E36 10			K		Special I	nstruct	ions/No	te:		
SGC-042221-40-1.5 (590-15007-1)	4/22/21	08:30 Pacific		Solid			х	Х	1020.000 2	9010345		2009							h							
SGC-042221-41-1.0 (590-15007-2)	4/22/21	08:33 Pacific		Solid	П		x	x						7		1	_		1							
SGC-042221-42-1.5 (590-15007-3)	4/22/21	08:35 Pacific		Solid			х	х							1	1		T	1			***************************************				
SGC-042221-43-1.0 (590-15007-4)	4/22/21	08:38 Pacific		Solid			х	Х											1							
SGC-042221-44-1.5 (590-15007-5)	4/22/21	08:42 Pacific		Solid			х	Х											1							
SGC-042221-45-1.0 (590-15007-6)	4/22/21	08:45 Pacific		Solid	Ш		х	х											1							
SGC-042221-46-1.5 (590-15007-7)	4/22/21	08:47 Pacific		Solid	Ш		Х	X											1							
SGC-042221-47-1.0 (590-15007-8)	4/22/21	08:49 Pacific		Solid	11		х	х											1		· · · · · · · · · · · · · · · · · · ·					
SGC-042221-48-1.5 (590-15007-9)	4/22/21	08:50 Pacific		Solid	Ш		×	×											1							
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica maintain accreditation in the State of Origin listed above for analysis/tests/matrix b TestAmerica attention immediately. If all requested accreditations are current to di-	eing analyzed, the sa	imples must be	shipped bac	ck to the Eurofi	ns Test	Mmer	ica lat	borato	ny or o	ther in	ories. 1 nstruct	'his s ions v	ample vill be p	shipm provid	ent is led. Ar	forwa ny cha	rded ur anges t	nder ch o accre	ain-of- ditatio	-custody. on status s	If the labor hould be b	atory doe rought to	s not curre Eurofins	ently		
Possible Hazard Identification					ſ	Sam	"1					ay b					ples a	re re			r than 1	month)			
Unconfirmed Deliverable Requested: I, II, III, IV. Other (specify)	Primary Delivera	ible Rank: 2				Spec	-		To CI			uirer			al By	Lab			Arch	ive For	 	Moi	nths			
Empty Kit Relinquished by:		Date:			Tim	ne:				-	-			М	ethod	of Shi	pment:			• • • • • • • • • • • • • • • • • • • •						
Relinquished by: Way a vizue	Date/Time: 7/23/21	14.	17	Company	12	F	7	ed 6	1					L		Da	te/Tm	ا ر	7 /	10	15	Compa	ř6s			
Relinquished by:	Date/Time:			Company		R	celv	ed 🎉	(Da	ite/Tim	e: 1	<u></u>			Compa				
Relinquished by:	Date/Time:	***************************************	Y701	Company		R	eceiv	ed by:	:			ــــــــــــــــــــــــــــــــــــــ	<u> </u>			Da	ite/Tim	2 :				Compa	ny	\dashv		
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No					WX.	c	ooler	Temp	erature	e(s) °(C and	Ser	Rema	rks:								1. 10111				
				Page	30 (of 3	n-	_	9-			<u></u>					<u>-</u>			1 1 1 1 1 1		Ver: 11	1/01/2020	4/21		
							-			_	_															

Ver: 11/01/2020 4/27/2021

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record

💸 eurofins

Environment Testing

Client Information (Sub Contract Lab)	Sampler:			Lab Arri	РМ: ngton,	Rano	iee E					Carrie	er Trac	king N	0(s):				OC No: 90-5940.2			
Client Contact: Shipping/Receiving	Phone:			E-M				urofin	set co	m			of Ori					Pa	age:			
Company:				rtar	Accre	ditation	s Requ	ired (Se	e note):	:		Ivvas	hingt	on					Page 2 of 4 Job #:			
Eurofins Frontier Global Sciences LLC Address:	Due Date Reques	ted:			State	Prog	ram -	Wash	ington)									90-15007-1			
5755 8th Street East, .	4/28/2021								Anal	ysis	Rec	ques	ted						reservation Co	M - Hexane		
Dity: Facoma	TAT Requested (d	lays):														T	ENERGY.	В	- NaOH	N - None		
State, Zip:					П		1											D	- Zn Acetate - Nitric Acid	0 - AsNaO2 P - Na2O4S		
NA, 98424 Phone:	PO #:				11						j		ı		İ			F	- NaHSO4 - MeOH	Q - Na2SO3 R - Na2S2O3		
253-922-2310(Tel) 425-420-9210(Fax)					J.														- Amchlor - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydra		
Email:	WO#.				ample (Yes or No D (Yes or No)														· ice - DI Water	U - Acetone V - MCAA		
Project Name:	Project #:					Š													- EDTA - EDA	W - pH 4-5 Z - other (specify)		
Sundance Golf Course Ite:	59001922 ssow#:					Merc							ĺ		İ				her:	(_p,,		
					S 2	Prep												.#				
			Sample	Matrix	ered Sample (Yes	7.1 A.1																
		Sample	Type (C=comp,	{W≍water, S≃solid,	Field Fill Perform	7471A/7471A	fure															
ample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) ar	O=waste/oil, =Tissue, A=Air)	图是	7471	Moisture										Š		Special In	nstructions/Note:		
		><	Preservation	n Code:	XX												1>	< □				
GC-042221-49-1.0 (590-15007-10)	4/22/21	09:20 Pacific		Solid		х	х								Т							
GC-042221-50-1.5 (590-15007-11)	4/22/21	09:24 Pacific		Solid		×	х			1												
GC-042221-51-1.0 (590-15007-12)	4/22/21	09:27 Pacific		Solid		x	х								\top							
GC-042221-52-1.5 (590-15007-13)	4/22/21	10:38 Pacific		Solid		х	х										1					
GC-042221-53-1.0 (590-15007-14)	4/22/21	10:42 Pacific		Solid		х	х							T	T		1		***************************************	**************************************		
GC-042221-54-1.5 (590-15007-15)	4/22/21	10:54 Pacific		Solid		х	х										1					
GC-042221-55-1.0 (590-15007-16)	4/22/21	10:59 Pacific		Solid		Х	х										1					
GC-042221-56-1.5 (590-15007-17)	4/22/21	11:01 Pacific		Solid		х	х										1					
GC-042221-57-1.0 (590-15007-18)	4/22/21	11:04 Pacific		Solid		x	x										1					
ite: Since laboratory accreditations are subject to change, Eurofins TestAn aintain accreditation in the State of Origin listed above for analysis/tests/m	atrix being analyzed, the sa	amples must be	shipped back to	the Eurofins	TestAm	erica la	borato	v or oth	ratories. er instru	This s	ample will be	shipm provid	ent is	forwar ny cha	ded ui	nder cl o accr	hain-c editat	of-cust	ody. If the labora	atory does not currently ought to Eurofins		
stAmerica attention immediately. If all requested accreditations are current	n to date, return the signed	Chain of Cust	ody attesting to sa	id complicar																		
ossible Hazard Identification aconfirmed					Sai	- "1		osal (i To Clie		may b					ies :	are re			onger than 1			
eliverable Requested: I, II, III, IV, Other (specify)	Primary Delivers	ble Rank: 2			Spe				QC Re	quire		sposa s:	н ву	Lab			Arci	hive I	ror	Months		
npty Kit Relinquished by:		Date:		1	Time:							M	ethod	of Ship	ment							
linquished by:	Date/Time: 1/73/2/		Cor	npany ZAJW		Rece	ved by:	<u></u>				L		Da	te/Tim	<u></u> 4	T_			Company		
inquished by: MMAU700U inquished by:	71/3/2 (Date/Time:	144		pany			d by:	/_									/2.		1045	Company CFG 5		
	Jakes Filtrie.		Cor	ipally		- COLCE!	v∎u by:	-						เวล	te Tim	e:	į		•	Сотрапу		
linquished by:	Date/Time:		Cor	прапу		Recei	ed by:						•	Dat	e/Tim	e:				Company		
	1																			i .		

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11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record

eurofins Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290							-															
Client Information (Sub Contract Lab)	Sampler:				ington	n, Rar	ınde	₃e E								ng No(s	;);			COC No: 590-5940.3		
Client Contact: Shipping/Receiving	Phone:			E-Mai Rand	ndee./				urofine					tate of (Vashir			********			Page: Page 3 of 4		
Company: Eurofins Frontier Global Sciences LLC				·					ired (Se · Wash			_								Job#: 590-15007-1		
Address: 5755 8th Street East, ,	Due Date Requeste 4/28/2021	.ed:		7		***************************************				An	nalysi	is R	equ.	este	-d					Preservation Co		
City: Tacoma State, Zip:	TAT Requested (da	ays):		·						T			Ť	T	Ī	T				A - HCL B - NaOH C - Zn Acetate D - Nitric Acid	M - Hexan N - None O - AsNaC P - Na2O4	e eO2
WA, 98424 Phone:	PO#:		***************************************		41															E - NaHSO4 F - MeOH	Q - Na2SC R - Na2S2	603 6203
253-922-2310(Tel) 425-420-9210(Fax) Email:	WÒ#:	***************************************			or No)	No)					-									G - Amchlor H - Ascorbic Acid I - Ice J - DI Water	U - Aceton V - MCAA	Dodecahydrate one A
Project Name: Sundance Golf Course	Project #: 59001922				18 (Ves	MS/MSD (Yes or A	Prcury												dath	K - EDTA L - EDA	W - pH 4-5 Z - other (s	
Site:	SSOW#:					os F	Prep Me			-								100	9 6	Other:	····	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Type (C=comp, O=G=grab) BT-1	Matrix (Wowater, Seolid, Omwaste/oll, «Tissue, AnAir)		Perform MS/M 7471A/7471A P.	¥.	Molsture										F 18	Total Number	Special lu	nstructions	ns/Note:
	$\geq \leq$	<u> </u>	Preservation	(Code:	X	<u> </u>	4						1						X			
SGC-042221-58-1.5 (590-15007-19)	4/22/21	12:04 Pacific		Solid	4	×	<u> </u>	x								'			1			
SGC-042221-59-1.0 (590-15007-20)	4/22/21	12:18 Pacific		Solid	Ц	Х	< >	Х							L				1			
SGC-042221-60-1.5 (590-15007-21)	4/22/21	12:20 Pacific		Solid		Z×	x x	х				Ţ							1			***************************************
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GGC-042221-64-1.5 (590-15007-25)	4/22/21	13:38 Pacific		Solid	I	×		x			1_	1_			T		П		1			
GGC-042221-65-1.0 (590-15007-26)	4/22/21	13:42 Pacific		Solid	I	×	(])	х		T			1					(Professional	1			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
SGC-042221-66-1.5 (590-15007-27)	4/22/21	13:45 Pacific		Solid	\prod	×	\bigoplus	×	I	I									1			***************************************
lote: Since laboratory accreditations are subject to change, Eurofins TestAmerica naintain accreditation in the State of Origin listed above for analysis/tests/matrix be estAmerica attention immediately. If all requested accreditations are current to da	being analyzed, the sar	ip of method, an	e shipped back to the	the Eurofins T	TestAn	America Eurofin	a labor ins Tes	ooratory FestAme	ry or othe nerica.	ther inst	struction	ons will I	ll be pro	rovided.	ł. Any c	change	es to ac	ccredita	tation :	status should be bro	rought to Euro	it currently offins
Possible Hazard Identification		Halanda			Si						e may						s are			longer than 1		***************************************
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliveral	able Rank: 2	2		-Is				<i>To Clie</i> ctions/0		Requir		Dispo	osal E	3y La≀	b		→ An	rchive	re For	Months	S
mpty Kit Relinquished by:		Date:	***************************************		Time:									Meth	nod of	Shipme	ent:					***************************************
	Date/Time:	- run	Com	mpany Mc		Tipler	alve)	бу	$\overline{\Lambda}$					Т		Date/	me:	12		. 4. 19	Company	
Matra 700 Le elinquished by:	Date/Time:	(-121		npany		16	cered	ad by:		-	***************************************					Date	14 Time:	12		1045	Company	45!
elinquished by:	Date/Time:	Watte 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 - 1884 -	Comp	pany		Rec	ceived	ad by:	—	—					\rightarrow	Date/T	lime:				Company	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No				ANAY		Coc	eler Tr	empe	rature((s) °C/	and Ott	her Rr	emark:	s: \				N.S.				

Ver: 11/01/2020 4/27/2021

11922 East 1st Ave Spokane, WA 99206 Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins Environment Testing America

Phone: 509-924-9200																								
Client Information (Sub Contract Lab)	Sampler:			Arri	<u></u>	ton, R	₹and	iee E	=								No(s)	:			COC No: 590-5940.4			
Client Contact: Shipping/Receiving	Phone:			E-Mar Rar	andee						t.com	1			e of Or shing						Page: Page 4 of 4			
Company: Eurofins Frontier Global Sciences LLC									quired (8 - Was												Job #: 590-15007-1			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Address: 5755 8th Street East, ,	Due Date Request 4/28/2021	.ed:			T					Α	naly	sis	Rer	aue:	sted						Preservation Cod		***************************************	-
City: Tacoma	TAT Requested (d.	ays):										Ī	İ								A - HCL B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO)2	
State, Zip: WA, 98424 Phone:	PO #:	***************************************																			D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O45 Q - Na2SO R - Na2S20	3	
Phone: 253-922-2310(TeI)	PO #: WO #:				- 92																G - Amchlor H - Ascorbic Acid I - Ice	S - H2SO4	i odecahydrate	
Project Name:	Project #:	~ ~~~~	***		- To sa	1 ⊋							ļ								J - Ice J - DI Water K - EDTA	V - MCAA W - pH 4-5		
Sundance Golf Course	59001922					. Š	Mercury														L - EDA	Z - other (s		
Site:	SSOW#:				Samp		ey de													log (o	Other:			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time		Matrix (W=water, 3=solid, 0=waste/o8, BT=Tlasue, A=Air)	Field Filtered	Perform MS/MSD (Yes or	7471A/7471A_Prep	Moisture												Total Number of	Special Ins	structions	s/Note:	_
		لكيخيا	Preservat	ition Code:	M	M		لا												X				
GGC-042221-67-1.0 (590-15007-28)	4/22/21	13:50 Pacific		Solid		Ц	Х	х												1				
SGC-042221-68-1.5 (590-15007-29)	4/22/21	13:51 Pacific		Solid			х	х											Silli de	1		***************************************		_
GGC-042221-69-1.0 (590-15007-30)	4/22/21	13:56 Pacific		Solid			х	×												1		*****************		
SGC-042221-70-1.5 (590-15007-31)	4/22/21	14:44 Pacific		Solid		П	х	х	$\overline{\Box}$		Π							\exists		1				
GGC-042221-71-1.0 (590-15007-32)	4/22/21	14:48 Pacific		Solid			x	х				1								1				٦
SGC-042221-72-1.5 (590-15007-33)	4/22/21	14:52 Pacific		Solid			Х	х												1				
GC-042221-73-1.0 (590-15007-34)	4/22/21	14:56 Pacific		Solid	\prod		х	х												1				
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ote: Since laboratory accreditations are subject to change. Eurofins TestAmerica i laintain accreditation in the State of Origin listed above for analysis/tests/matrix be estAmerica attention immediately. If all requested accreditations are current to da	eing analyzed, the sai	amples must be:	e shipped back to	to the Eurofins	s Test	tAmen	rica lab	borato	ory or o	other in	ories. T	This s	ample will be	e shipr	ment is	s forw Any cl	rarded hanges	under s to ac	chain credit	n-of-cu tation :	ustody. If the laborate status should be bro-	ory does not ught to Eurof	currently	
Possible Hazard Identification				·····															_		l longer than 1 n	,		٦
Inconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank: 2			+				To Co		t C Req				sal By	/ Lab)		ⁱ Ar	chive	e For	Months		-
mpty Kit Relinquished by:	-	Date:			Tim										Methor	d of S	hipmer	nt:						4
	Date/Time:	Z + 2 l	c	Company つよい	Ь	17	(qcav	y by	1	7		*********	*******			£	Date/	me:	_		A /	Company		4
elinquished by:	4/2 3/21 Date/Time:	(4:1		Company	10			red by	$\frac{p}{r}$	<u> </u>					<u>-</u>	C	Date/Ti	<u>24</u>	12	-	1045	Company	<u> 25 </u>	-
elinquished by:	Date/Time:			Company		R	eceiv	ved by:	ř.							Ē	Date/Ti	me:				Company		1
Custody Seals Intact: Custody Seal No.:		A contract, di				c	ooler	Temp	peratur	re(s) °	C and	Other	Kem	arks:					<u>an</u>			. However		1

Ver: 11/01/2020 4/27/2021

Page 33 of 36 1R9 = 0.3

Client: Fulcrum Environmental

Job Number: 590-15007-1

Login Number: 15007 List Number: 1

15007 List Source: Eurofins TestAmerica, Spokane

Creator: O'Toole, Maria C

Creator. O Toole, Maria C		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
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	No analysis requiring residual chlorine check assigned.

Client: Fulcrum Environmental

Job Number: 590-15007-1

Login Number: 15007

List Source: Eurofins TestAmerica, Seattle

List Number: 2

List Creation: 04/24/21 01:13 PM

Creator: Vallelunga, Diana L

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

Client: Fulcrum Environmental

Job Number: 590-15007-1

Login Number: 15007

List Source: Eurofins TestAmerica, Seattle

List Number: 3

List Creation: 04/24/21 01:17 PM

Creator: Vallelunga, Diana L

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15094-1

Client Project/Site: Kinney Sundance/192860.03

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 6/2/2021 7:21:13 AM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

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

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

Client: Fulcrum Environmental Project/Site: Kinney Sundance/192860.03 Laboratory Job ID: 590-15094-1

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Job ID: 590-15094-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 5/7/2021 4:46 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8° C.

GC Semi VOA

Methods 8081B: In preparation batch 280-535796 and analytical batch 280-536567, the following samples were diluted due to the color of the extracts, which indicates matrix: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6). Elevated reporting limits (RL) are provided. Analysis at a lesser dilution would contaminate the instrument.

Method 8081B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-535796 and analytical batch 280-536567 recovered outside control limits high for all of the target analytes in the LCS and the following analytes in the LCSD: trans-Chlordane, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, Endrin ketone, beta-BHC, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, delta-BHC, gamma-BHC (Lindane), Heptachlor, Heptachlor epoxide, Dieldrin, Methoxychlor and cis-Chlordane. These analytes were biased high in the LCS and LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-536567 recovered above the upper control limit (20%) on the front column for Endosulfan II, Endosulfan sulfate, Endrin aldehyde, Endrin ketone, 4,4'-DDD, 4,4'-DDT Endrin, Heptachlor, Methoxychlor and Toxaphene Peak 4 and on the back column for Endrin ketone, Toxaphene Peak 4 and Toxaphene Peak 5 but the average of the five Toxaphene Peaks on the front and back column were within limits and the targets were reported as non-detect in the samples. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-06 (590-15094-6), (CCV 280-536567/30) and (CCV 280-536567/31).

Method 8081B: In preparation batch 280-535796 and analytical batch 280-536653, the following sample was diluted due to the color of the extract, which indicates matrix: SGC-042221-PH-03 (590-15094-3). Elevated reporting limits (RL) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-536653 recovered above the upper control limit (15%) on the front and low on the back column for Toxaphene and Toxaphene Peak 4: on the front column for 4.4'-DDD. Methoxychlor. Endrin ketone, Endrin, and Dieldrin; and on the back column low for Tetrachloro-m-xylene Toxaphene Peak 5 and Toxaphene Peak 1 but results were within limits in the LCS/LCSD except for 4,4'-DDD, Endosulfan II and Endosulfan sulfate, and the targets were non-detect in the associated samples. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-03 (590-15094-3), (CCV 280-536653/17), (CCV 280-536653/19) and (CCVIS 280-536653/6).

Method 8081B: In preparation batch 280-535796 and analytical batch 280-537235, the following samples were diluted due to the color of the extract and/ or excessive sulfur present in the extract: SGC-042221-PH-01 (590-15094-1) and SGC-042221-PH-05 (590-15094-5). Elevated reporting limits (RL) are provided. Analysis at a lesser dilution would contaminate the instrument.

Method 8081B: In preparation batch 280-535796 and analytical batch 280-537235, the following sample required a dilution due to the nature of the sample matrix: SGC-042221-PH-05 (590-15094-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081B: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 280-535796 and analytical batch 280-537235 recovered outside control limits for the following analytes: Endosulfan II (60%-100%) at 104% and 106%, Endosulfan sulfate (63%-105%) at 107% and 109%, Endrin (62%-111%) at 115% and 117%, Endrin aldehyde (53%-88%) at 112% and 113%, Endrin ketone (62%-98%) at 113% and 117%, 4,4'-DDD (63%-104%) at 110% and 112%, 4,4'-DDT (63%-106%) at 119% and 120%, Heptachlor (59%-109%) in the LCSD at 111% and Methoxychlor (62%-110%) at 151% and 154%. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 280-537235 recovered above the upper control limit (20%) on the front and back column for 4,4'-DDT, Endrin, Endrin ketone, Methoxychlor and Toxaphene Peak 5; on the front column for Toxaphene Peak 4, Endrin aldehyde, Endosulfan II, 4,4'-DDD, Endosulfan sulfate, Heptachlor; and on the back column for Toxaphene

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Job ID: 590-15094-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

Peak 2 but results were non-detect in the associated samples and the average for the peaks of Toxaphene was within limits. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-05 (590-15094-5), (CCV 280-537235/19), (CCV 280-537235/21), (CCV 280-537235/5) and (CCVIS 280-537235/7).

Method 8081B: The following sample required a dilution due to the nature of the sample matrix: SGC-042221-PH-03 (590-15094-3). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8151A: The initial calibration verification (ICV) result for batch 280-536748 was below the lower control limit for 2,4,5-T and above the upper control limit for 2,4-D & 2,4-DB on the confirmation (back) column. Sample results were reported from the in control primary column. The associated samples are affected: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6).

Method 8151A: The continuing calibration verification (CCV) associated with batch 280-536748 recovered above the upper control limit for 2,4,5-T, 2,4-DB, Dalapon and Silvex (2,4,5-TP). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6).

Method 8151A: The following samples in preparation batch 280-535795 and analytical batch 280-536748 were diluted due to the nature of the sample matrix: SGC-042221-PH-01 (590-15094-1) and SGC-042221-PH-02 (590-15094-2). Elevated reporting limits (RLs) are provided. The samples were diluted due to the yellow color of the extract.

Method 8141B: The following samples in preparation batch 280-536038 and analytical batch 280-537125 were diluted due to dark color and the nature of the sample matrix: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3) and SGC-042221-PH-05 (590-15094-5). Elevated reporting limits (RLs) are provided.

Methods 8141B: The initial calibration verification (ICV) result for batch 280-537125 was above the upper control limit on the back column for Simazine +40 limit 20 the front column was in control. Data is reported from the in control column. SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)

Method 8141B: The laboratory control sample (LCS) for preparation batch 280-536038 and analytical batch 280-537125 recovered outside control limits for the following analytes: Simazine 125% limit 38-115. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Methods 8141B: The matrix spike duplicate (MSD) recoveries for preparation batch 280-536038 and analytical batch 280-537125 were outside control limits. Sample matrix interference and/or non-homogeneity are 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.

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

General Chemistry

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

Organic Prep

Method 8151A: Insufficient sample (SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)) volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-535795 for method 8151A SP/8151A.

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Job ID: 590-15094-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

Method 3546: Insufficient sample (SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-02 (590-15094-2), SGC-042221-PH-03 (590-15094-3), SGC-042221-PH-04 (590-15094-4), SGC-042221-PH-05 (590-15094-5) and SGC-042221-PH-06 (590-15094-6)) volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 280-535796 for method 3546/8081.

Method 3540C: Extract had lower than normal amount of MeCl2 present when taken off hot plate. Extraction vessel was rinsed thoroughly before moving to concentration.

SGC-042221-PH-03 (590-15094-3)

Method 3546 8081B: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: SGC-042221-PH-01 (590-15094-1), SGC-042221-PH-03 (590-15094-3) and SGC-042221-PH-05 (590-15094-5) preparation batch 280-535796.

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

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Lab Sample ID **Client Sample ID** Matrix Collected Received Asset ID 590-15094-1 SGC-042221-PH-01 Solid 05/07/21 14:30 05/07/21 16:46 05/07/21 14:40 05/07/21 16:46 590-15094-2 SGC-042221-PH-02 Solid 590-15094-3 SGC-042221-PH-03 Solid 05/07/21 14:52 05/07/21 16:46 05/07/21 14:55 05/07/21 16:46 590-15094-4 SGC-042221-PH-04 Solid 590-15094-5 SGC-042221-PH-05 Solid 05/07/21 15:11 05/07/21 16:46 590-15094-6 SGC-042221-PH-06 Solid 05/07/21 15:28 05/07/21 16:46

Job ID: 590-15094-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15094-1

Project/Site: Kinney Sundance/192860.03

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
F1	MS and/or MSD recovery 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.
S1+	Surrogate recovery exceeds control limits, high biased.

Clossary

EDL

LOD

LOQ

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
CFU	Colony Forming Unit
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)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit

ML Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

NEG Negative / Absent POS Positive / Present PQL **Practical Quantitation Limit**

PRES Presumptive 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)

TNTC Too Numerous To Count

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-01 Lab Sample ID: 590-15094-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		7.0		ug/Kg	<u></u>	05/12/21 10:24	05/24/21 16:44	2
Endosulfan II	ND	*+	7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
Endosulfan sulfate	ND	*+	7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
Endrin	ND	*+	7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
Endrin ketone	ND	*+	7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
beta-BHC	ND		7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
alpha-BHC	ND	*1	7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
delta-BHC	ND		7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
gamma-BHC (Lindane)	ND		7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
trans-Chlordane	27		7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDD	ND	*+	7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDE	ND		7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
4,4'-DDT	ND	*+	7.0		ug/Kg	☆	05/12/21 10:24	05/24/21 16:44	2
Heptachlor	ND	*+	7.0		ug/Kg	≎	05/12/21 10:24	05/24/21 16:44	2
Heptachlor epoxide	ND		7.0		ug/Kg	☆	05/12/21 10:24	05/24/21 16:44	2
Dieldrin	ND		7.0		ug/Kg	☆	05/12/21 10:24	05/24/21 16:44	2
Aldrin	ND		7.0		ug/Kg	☆	05/12/21 10:24	05/24/21 16:44	2
Methoxychlor	ND	*+	14		ug/Kg	☆	05/12/21 10:24	05/24/21 16:44	2
Toxaphene	ND		280		ug/Kg	☼	05/12/21 10:24	05/24/21 16:44	2
cis-Chlordane	24		7.0		ug/Kg	₩	05/12/21 10:24	05/24/21 16:44	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	91		63 - 124				05/12/21 10:24	05/24/21 16:44	2
Tetrachloro-m-xylene	70		59 ₋ 115				05/12/21 10:24	05/24/21 16:44	2

Method: 8081B - Organochlorine Pesticides (GC) - RA										
Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac				
Endrin aldehyde	ND ND	7.0	ug/Kg	□ □ □ 05/12/21 10:24	06/01/21 17:24	2				
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac				
Surrogate DCB Decachlorobiphenyl	%Recovery Qualifier 84	63 - 124			Analyzed 06/01/21 17:24	Dil Fac				

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		98		ug/Kg	— <u></u>	05/13/21 13:44	05/22/21 17:43	5
Bolstar	ND		70		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Atrazine	ND		360		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Chlorpyrifos	ND		110		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	5
Diazinon	ND		120		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	5
Coumaphos	ND		70		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Dichlorvos	ND		120		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	5
Disulfoton	ND		260		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Dimethoate	ND		120		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
EPN	ND		70		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	5
Ethoprop	ND		81		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Ethyl Parathion	ND		98		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Famphur	ND		70		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Fensulfothion	ND		140		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5
Fenthion	ND		180		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	5

Eurofins TestAmerica, Spokane

6/2/2021

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Job ID: 590-15094-1

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-01

Date Collected: 05/07/21 14:30 Date Received: 05/07/21 16:46

Mercury

Lab Sample ID: 590-15094-1

Matrix: Solid

Job ID: 590-15094-1

Percent Solids: 91.3

Method: 8141B - Organopho Analyte	•	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	81	WIDL				05/22/21 17:43	
Malathion	ND				ug/Kg	. .			
Merphos	ND		160		ug/Kg	☆		05/22/21 17:43	;
Methyl parathion	ND		110		ug/Kg			05/22/21 17:43	
Phorate	ND		110		ug/Kg	≎		05/22/21 17:43	!
Propazine	ND		360		ug/Kg	≎		05/22/21 17:43	;
Ronnel	ND		250		ug/Kg	.	05/13/21 13:44	05/22/21 17:43	
Simazine	ND	*+	360		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	;
Sulfotepp	ND		110		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	
Trichloronate	ND		110		ug/Kg	₩	05/13/21 13:44	05/22/21 17:43	
Thionazin	ND		98		ug/Kg	☼	05/13/21 13:44	05/22/21 17:43	
Tokuthion	ND		110		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	
o,o',o"-Triethylphosphorothioate	ND		210		ug/Kg	₽	05/13/21 13:44	05/22/21 17:43	:
Demeton, Total	ND		210		ug/Kg	≎	05/13/21 13:44	05/22/21 17:43	;
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Triphenylphosphate	82	D	47 - 161				05/13/21 13:44	05/22/21 17:43	
Chlormefos	57	D	42 - 132				05/13/21 13:44	05/22/21 17:43	;
Method: 8151A - Herbicides	(GC)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
MCPA	ND		17000		ug/Kg	— -	05/12/21 06:54	05/20/21 20:17	
Silvex (2,4,5-TP)	ND		41		ug/Kg	₽	05/12/21 06:54	05/20/21 20:17	:
MCPP	ND		17000		ug/Kg	₩	05/12/21 06:54	05/20/21 20:17	
2,4,5-T	ND		41		ug/Kg		05/12/21 06:54	05/20/21 20:17	
2,4-D	ND		170		ug/Kg	₩	05/12/21 06:54	05/20/21 20:17	
2,4-DB	ND		170		ug/Kg	₩	05/12/21 06:54	05/20/21 20:17	
Dalapon	ND		83		ug/Kg		05/12/21 06:54	05/20/21 20:17	:
Dicamba	ND		83		ug/Kg	÷.	05/12/21 06:54	05/20/21 20:17	
Dichlorprop	ND		170		ug/Kg	₽		05/20/21 20:17	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
2,4-Dichlorophenylacetic acid		D	31 - 105				05/12/21 06:54	05/20/21 20:17	
Method: 6020B - Metals (ICI	P/MS)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Arsenic	15		0.41		mg/Kg		05/12/21 11:18	05/13/21 14:55	1
Barium	72		0.81		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	1
Cadmium	ND		0.65		mg/Kg	≎	05/12/21 11:18	05/13/21 14:55	1
Chromium	15		0.81		mg/Kg	₽	05/12/21 11:18	05/13/21 14:55	1
Lead	20		0.41		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	1
Selenium	2.5		1.2		mg/Kg	☼	05/12/21 11:18	05/13/21 14:55	1
Silver	0.79		0.16		mg/Kg		05/12/21 11:18	05/13/21 14:55	1
Method: 7471A - Mercury (C	CVAA)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa

0.030

mg/Kg

0.31

Client Sample ID: SGC-042221-PH-02

Date Collected: 05/07/21 14:40 Date Received: 05/07/21 16:46 Lab Sample ID: 590-15094-2

Matrix: Solid

Percent Solids: 90.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	6.9		ug/Kg	<u></u>	05/12/21 10:24	05/19/21 07:10	2
Endosulfan II	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
Endosulfan sulfate	ND	*+	6.9		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
Endrin	ND	*+	6.9		ug/Kg	⊅	05/12/21 10:24	05/19/21 07:10	2
Endrin aldehyde	ND	*+	6.9		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
Endrin ketone	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
beta-BHC	ND	*+	6.9		ug/Kg	⊅	05/12/21 10:24	05/19/21 07:10	2
alpha-BHC	ND	*+	6.9		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
delta-BHC	ND		6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
gamma-BHC (Lindane)	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
trans-Chlordane	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDD	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDE	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
4,4'-DDT	ND	*+	6.9		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
Heptachlor	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Heptachlor epoxide	ND	*+	6.9		ug/Kg	₽	05/12/21 10:24	05/19/21 07:10	2
Dieldrin	ND	*+	6.9		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
Aldrin	ND	*+	6.9		ug/Kg	☼	05/12/21 10:24	05/19/21 07:10	2
Methoxychlor	ND	*+	13		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
Toxaphene	ND		270		ug/Kg	₩	05/12/21 10:24	05/19/21 07:10	2
cis-Chlordane	ND	*+	6.9		ug/Kg	≎	05/12/21 10:24	05/19/21 07:10	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		63 - 124				05/12/21 10:24	05/19/21 07:10	2
Tetrachloro-m-xylene	77		59 - 115				05/12/21 10:24	05/19/21 07:10	2

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND ND	95	ug/Kg	<u></u>	05/13/21 13:44	05/22/21 18:22	5
Bolstar	ND	69	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Atrazine	ND	350	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Chlorpyrifos	ND	110	ug/Kg	₽	05/13/21 13:44	05/22/21 18:22	5
Diazinon	ND	120	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Coumaphos	ND	69	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Dichlorvos	ND	120	ug/Kg	₽	05/13/21 13:44	05/22/21 18:22	5
Disulfoton	ND	250	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Dimethoate	ND	120	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
EPN	ND	69	ug/Kg	₽	05/13/21 13:44	05/22/21 18:22	5
Ethoprop	ND	79	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Ethyl Parathion	ND	95	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Famphur	ND	69	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Fensulfothion	ND	130	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Fenthion	ND	170	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Malathion	ND	79	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Merphos	ND	160	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Methyl parathion	ND	110	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Phorate	ND	110	ug/Kg	₽	05/13/21 13:44	05/22/21 18:22	5
Propazine	ND	350	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5
Ronnel	ND	240	ug/Kg	☼	05/13/21 13:44	05/22/21 18:22	5
Simazine	ND *+	350	ug/Kg	≎	05/13/21 13:44	05/22/21 18:22	5

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-02

Date Collected: 05/07/21 14:40 Date Received: 05/07/21 16:46 Lab Sample ID: 590-15094-2

Matrix: Solid

Percent Solids: 90.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfotepp	ND		110		ug/Kg		05/13/21 13:44	05/22/21 18:22	5
Trichloronate	ND		110		ug/Kg	₽	05/13/21 13:44	05/22/21 18:22	5
Thionazin	ND		95		ug/Kg	₩	05/13/21 13:44	05/22/21 18:22	5
Tokuthion	ND		110		ug/Kg	₩	05/13/21 13:44	05/22/21 18:22	5
o,o',o"-Triethylphosphorothioate	ND		210		ug/Kg	₩	05/13/21 13:44	05/22/21 18:22	5
Demeton, Total	ND		210		ug/Kg	₩	05/13/21 13:44	05/22/21 18:22	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	85	D	47 - 161				05/13/21 13:44	05/22/21 18:22	5
Chlormefos	61	D	42 - 132				05/13/21 13:44	05/22/21 18:22	5

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND ND	17000	ug/Kg	<u></u>	05/12/21 06:54	05/20/21 20:40	2
Silvex (2,4,5-TP)	ND	43	ug/Kg	₩	05/12/21 06:54	05/20/21 20:40	2
MCPP	ND	17000	ug/Kg	☼	05/12/21 06:54	05/20/21 20:40	2
2,4,5-T	ND	43	ug/Kg	₽	05/12/21 06:54	05/20/21 20:40	2
2,4-D	ND	170	ug/Kg	₩	05/12/21 06:54	05/20/21 20:40	2
2,4-DB	ND	170	ug/Kg	₩	05/12/21 06:54	05/20/21 20:40	2
Dalapon	ND	87	ug/Kg	₽	05/12/21 06:54	05/20/21 20:40	2
Dicamba	ND	87	ug/Kg	₩	05/12/21 06:54	05/20/21 20:40	2
Dichlorprop	ND	170	ug/Kg	₩	05/12/21 06:54	05/20/21 20:40	2
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac

our oguto	, ,	~~~~						, ,	
2,4-Dichlorophenylacetic acid	95	D	31 - 105				05/12/21 06:54	05/20/21 20:40	2
	NS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		0.39		mg/Kg	<u></u>	05/12/21 11:18	05/13/21 14:59	10
Barium	93		0.79		mg/Kg	☆	05/12/21 11:18	05/13/21 14:59	10

Silver	ND	0.16	mg/Kg	᠅ (05/12/21 11:18	05/13/21 14:59	10
Selenium	2.1	1.2	mg/Kg	☆ (05/12/21 11:18	05/13/21 14:59	10
Lead	10	0.39	mg/Kg	☆ (05/12/21 11:18	05/13/21 14:59	10
Chromium	13	0.79	mg/Kg	☆ (05/12/21 11:18	05/13/21 14:59	10
Cadmium	ND	0.63	mg/Kg	☆ (05/12/21 11:18	05/13/21 14:59	10
Barium	93	0.79	mg/Kg	☆ (05/12/21 11:18	05/13/21 14:59	10
Alsenic	0.5	0.00	mg/rtg	~ `	00/12/21 11.10	00/10/21 14.00	10

Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg	*	05/19/21 12:03	05/19/21 18:05	1

 Client Sample ID: SGC-042221-PH-03
 Lab Sample ID: 590-15094-3

 Date Collected: 05/07/21 14:52
 Matrix: Solid

 Date Received: 05/07/21 16:46
 Percent Solids: 93.0

Method: 8081B - Organochlorine Pesticides (GC)												
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Endosulfan I	ND ND		35		ug/Kg	<u></u>	05/12/21 10:24	05/19/21 19:38	10			
Endosulfan II	ND *-	+	35		ug/Kg	₽	05/12/21 10:24	05/19/21 19:38	10			
Endosulfan sulfate	ND *-	+	35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10			
Endrin	ND *-	'+	35		ug/Kg	₽	05/12/21 10:24	05/19/21 19:38	10			
Endrin aldehyde	ND *-	' +	35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10			

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Client: Fulcrum Environmental Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-03

Lab Sample ID: 590-15094-3 Date Collected: 05/07/21 14:52 **Matrix: Solid** Date Received: 05/07/21 16:46

Percent Solids: 93.0

Method: 8081B - Organo	chlorine Pesticid	les (GC) (C	Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND	*+	35		ug/Kg	<u></u>	05/12/21 10:24	05/19/21 19:38	10
beta-BHC	ND		35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
alpha-BHC	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
delta-BHC	ND		35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
gamma-BHC (Lindane)	ND		35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
trans-Chlordane	340		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDD	ND	*+	35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDE	ND		35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
4,4'-DDT	ND	*+	35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Heptachlor	ND	*+	35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
Heptachlor epoxide	ND		35		ug/Kg	⊅	05/12/21 10:24	05/19/21 19:38	10
Dieldrin	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Aldrin	ND		35		ug/Kg	₩	05/12/21 10:24	05/19/21 19:38	10
Methoxychlor	ND	*+	68		ug/Kg	⊅	05/12/21 10:24	05/19/21 19:38	10
Toxaphene	ND		1400		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
cis-Chlordane	ND		35		ug/Kg	☼	05/12/21 10:24	05/19/21 19:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	139	S1+	63 - 124				05/12/21 10:24	05/19/21 19:38	10
Tetrachloro-m-xylene	66		59 - 115				05/12/21 10:24	05/19/21 19:38	10

Analyte	Result Qual	ifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND	97	ug/Kg		05/13/21 13:44	05/22/21 19:01	5
Bolstar	ND	70	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Atrazine	ND	360	ug/Kg	₽	05/13/21 13:44	05/22/21 19:01	5
Chlorpyrifos	ND	110	ug/Kg	₽	05/13/21 13:44	05/22/21 19:01	5
Diazinon	ND	120	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Coumaphos	ND	70	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Dichlorvos	ND	120	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Disulfoton	ND	260	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Dimethoate	ND	120	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
EPN	ND	70	ug/Kg	₽	05/13/21 13:44	05/22/21 19:01	5
Ethoprop	ND	81	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Ethyl Parathion	ND	97	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Famphur	ND	70	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Fensulfothion	ND	130	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Fenthion	ND	180	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Malathion	ND	81	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Merphos	ND	160	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Methyl parathion	ND	110	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Phorate	ND	110	ug/Kg	₩	05/13/21 13:44	05/22/21 19:01	5
Propazine	ND	360	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Ronnel	ND	250	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Simazine	ND *+	360	ug/Kg	₩	05/13/21 13:44	05/22/21 19:01	5
Sulfotepp	ND	110	ug/Kg	≎	05/13/21 13:44	05/22/21 19:01	5
Trichloronate	ND	110	ug/Kg	☼	05/13/21 13:44	05/22/21 19:01	5
Thionazin	ND	97	ug/Kg	₽	05/13/21 13:44	05/22/21 19:01	5
Tokuthion	ND	110	ug/Kg	≎	05/13/21 13:44	05/22/21 19:01	5
o,o',o"-Triethylphosphorothioate	ND	210	ug/Kg	₩	05/13/21 13:44	05/22/21 19:01	5

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Project/Site: Kinney Sundance/192860.03

Client: Fulcrum Environmental

Client Sample ID: SGC-042221-PH-03 Lab Sample ID: 590-15094-3

Date Collected: 05/07/21 14:52 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 93.0

Method: 8141B - Organ	ophosphorous Co	mpounds	by Gas Chro	matogr	aphy, Ca	pillary	/ Column Ted	chnique (Con	tinued)
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Demeton, Total	ND		210		ug/Kg		05/13/21 13:44	05/22/21 19:01	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	66	D	47 - 161				05/13/21 13:44	05/22/21 19:01	5

Method: 8151A - Herbicide	es (GC)								
Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	MD ND		8500		ug/Kg	<u></u>	05/12/21 06:54	05/20/21 21:02	1
Silvex (2,4,5-TP)	ND		21		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
MCPP	ND		8500		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
2,4,5-T	ND		21		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
2,4-D	ND		85		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
2,4-DB	ND		85		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
Dalapon	ND		42		ug/Kg	₽	05/12/21 06:54	05/20/21 21:02	1
Dicamba	ND		42		ug/Kg	₩	05/12/21 06:54	05/20/21 21:02	1
Dichlorprop	ND		85		ug/Kg	☼	05/12/21 06:54	05/20/21 21:02	1
Surrogate	%Recovery Q	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		31 - 105				05/12/21 06:54	05/20/21 21:02	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10	0.42	mg/Kg	<u></u>	05/12/21 11:18	05/13/21 15:03	10
Barium	48	0.83	mg/Kg	₩	05/12/21 11:18	05/13/21 15:03	10
Cadmium	ND	0.67	mg/Kg	₩	05/12/21 11:18	05/13/21 15:03	10
Chromium	15	0.83	mg/Kg	₽	05/12/21 11:18	05/13/21 15:03	10
Lead	9.9	0.42	mg/Kg	☼	05/12/21 11:18	05/13/21 15:03	10
Selenium	1.6	1.2	mg/Kg	₩	05/12/21 11:18	05/13/21 15:03	10
Silver	0.30	0.17	mg/Kg	₩	05/12/21 11:18	05/13/21 15:03	10

Method: 7471A - Mercury (CVAA)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.6		0.26		mg/Kg	-	05/19/21 12:03	05/19/21 18:23	10

Client Sample ID: SGC-042221-PH-04 Lab Sample ID: 590-15094-4 Date Collected: 05/07/21 14:55 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 91.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	6.7		ug/Kg	<u></u>	05/12/21 10:24	05/19/21 07:47	2
Endosulfan II	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
Endosulfan sulfate	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
Endrin	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
Endrin aldehyde	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
Endrin ketone	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
beta-BHC	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
alpha-BHC	ND	*+	6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
delta-BHC	ND		6.7		ug/Kg	₩	05/12/21 10:24	05/19/21 07:47	2
gamma-BHC (Lindane)	ND	*+	6.7		ug/Kg	☼	05/12/21 10:24	05/19/21 07:47	2

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Client: Fulcrum Environmental

Chlormefos

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-04 Lab Sample ID: 590-15094-4

Date Collected: 05/07/21 14:55 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 91.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	ND	*+	6.7		ug/Kg	-	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDD	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDE	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
4,4'-DDT	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
Heptachlor	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
Heptachlor epoxide	ND	*+	6.7		ug/Kg	≎	05/12/21 10:24	05/19/21 07:47	2
Dieldrin	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
Aldrin	ND	*+	6.7		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
Methoxychlor	ND	*+	13		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
Toxaphene	ND		260		ug/Kg	₽	05/12/21 10:24	05/19/21 07:47	2
cis-Chlordane	ND	*+	6.7		ug/Kg	≎	05/12/21 10:24	05/19/21 07:47	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		63 - 124				05/12/21 10:24	05/19/21 07:47	2
Tetrachloro-m-xylene	85		59 - 115				05/12/21 10:24	05/19/21 07:47	2

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND			ug/Kg	<u></u>	05/13/21 13:44	05/22/21 19:40	1
Bolstar	ND		14	ug/Kg	₽	05/13/21 13:44	05/22/21 19:40	1
Atrazine	ND		73	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Chlorpyrifos	ND		22	ug/Kg	₽	05/13/21 13:44	05/22/21 19:40	1
Diazinon	ND		24	ug/Kg	₽	05/13/21 13:44	05/22/21 19:40	1
Coumaphos	ND		14	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Dichlorvos	ND		25	ug/Kg	₽	05/13/21 13:44	05/22/21 19:40	1
Disulfoton	ND		53	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Dimethoate	ND		24	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
EPN	ND		14	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Ethoprop	ND		16	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Ethyl Parathion	ND		20	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Famphur	ND		14	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Fensulfothion	ND		27	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Fenthion	ND		36	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Malathion	ND		16	ug/Kg		05/13/21 13:44	05/22/21 19:40	1
Merphos	ND		33	ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Methyl parathion	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Phorate	ND		22	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Propazine	ND		73	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Ronnel	ND		50	ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
Simazine	ND	*+	73	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Sulfotepp	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Trichloronate	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Thionazin	ND		20	ug/Kg	≎	05/13/21 13:44	05/22/21 19:40	1
Tokuthion	ND		22	ug/Kg	☼	05/13/21 13:44	05/22/21 19:40	1
o,o',o"-Triethylphosphorothioate	ND		43	ug/Kg	₩	05/13/21 13:44	05/22/21 19:40	1
Demeton, Total	ND		43	ug/Kg	₽	05/13/21 13:44	05/22/21 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Triphenylphosphate	80		47 - 161			05/13/21 13:44	05/22/21 19:40	

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Job ID: 590-15094-1

Project/Site: Kinney Sundance/192860.03

Client: Fulcrum Environmental

Client Sample ID: SGC-042221-PH-04

Lab Sample ID: 590-15094-4 Date Collected: 05/07/21 14:55

Matrix: Solid Date Received: 05/07/21 16:46 Percent Solids: 91.2

Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND ND		8700		ug/Kg	<u></u>	05/12/21 06:54	05/20/21 21:24	1
Silvex (2,4,5-TP)	ND		22		ug/Kg	₩	05/12/21 06:54	05/20/21 21:24	1
MCPP	ND		8700		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
2,4,5-T	ND		22		ug/Kg	≎	05/12/21 06:54	05/20/21 21:24	1
2,4-D	ND		87		ug/Kg	☼	05/12/21 06:54	05/20/21 21:24	1
2,4-DB	ND		87		ug/Kg	₩	05/12/21 06:54	05/20/21 21:24	1
Dalapon	ND		43		ug/Kg	₩	05/12/21 06:54	05/20/21 21:24	1
Dicamba	ND		43		ug/Kg	₩	05/12/21 06:54	05/20/21 21:24	1
Dichlorprop	ND		87		ug/Kg	₩	05/12/21 06:54	05/20/21 21:24	1
Surrogate	%Recovery Q	Qualifier Lim	its				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid		31 -	105				05/12/21 06:54	05/20/21 21:24	1

Method: 6020B - Metals	(ICP/MS)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.3	0.34		mg/Kg	<u></u>	05/12/21 11:18	05/13/21 15:07	10
Barium	110	0.67		mg/Kg	₩	05/12/21 11:18	05/13/21 15:07	10
Cadmium	ND	0.54		mg/Kg	₩	05/12/21 11:18	05/13/21 15:07	10
Chromium	14	0.67		mg/Kg	₩	05/12/21 11:18	05/13/21 15:07	10
Lead	10	0.34		mg/Kg	₩	05/12/21 11:18	05/13/21 15:07	10
Selenium	2.2	1.0		mg/Kg	₩	05/12/21 11:18	05/13/21 15:07	10
Silver	ND	0.13		mg/Kg	₽	05/12/21 11:18	05/13/21 15:07	10

Method: 7471A - Mercury (CVA	A)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg		05/19/21 12:03	05/19/21 18:15	1

Client Sample ID: SGC-042221-PH-05 Lab Sample ID: 590-15094-5

Date Collected: 05/07/21 15:11 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 93.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		32		ug/Kg	<u></u>	05/12/21 10:24	05/24/21 17:03	10
Endosulfan II	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Endosulfan sulfate	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Endrin	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Endrin aldehyde	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Endrin ketone	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
beta-BHC	ND		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
alpha-BHC	ND	*1	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
delta-BHC	ND		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
gamma-BHC (Lindane)	ND		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
trans-Chlordane	69		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDD	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDE	ND		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
4,4'-DDT	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Heptachlor	ND	*+	32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Heptachlor epoxide	ND		32		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
Dieldrin	ND		32		ug/Kg	₽	05/12/21 10:24	05/24/21 17:03	10
Aldrin	ND		32		ug/Kg	⇔	05/12/21 10:24	05/24/21 17:03	10

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Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11 Date Received: 05/07/21 16:46

Client: Fulcrum Environmental

Lab Sample ID: 590-15094-5

Matrix: Solid

Percent Solids: 93.4

Method: 8081B - Organod	chlorine Pesticid	es (GC) (C	ontinued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	ND	*+	62		ug/Kg	<u></u>	05/12/21 10:24	05/24/21 17:03	10
Toxaphene	ND		1300		ug/Kg	₩	05/12/21 10:24	05/24/21 17:03	10
cis-Chlordane	81		32		ug/Kg	☼	05/12/21 10:24	05/24/21 17:03	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	260	S1+	63 - 124				05/12/21 10:24	05/24/21 17:03	10
Tetrachloro-m-xylene	86		59 - 115				05/12/21 10:24	05/24/21 17:03	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		94		ug/Kg	<u></u>	05/13/21 13:44	05/22/21 20:19	5
Bolstar	ND		68		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Atrazine	ND		350		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Chlorpyrifos	ND		100		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Diazinon	ND		120		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Coumaphos	ND		68		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Dichlorvos	ND		120		ug/Kg	≎	05/13/21 13:44	05/22/21 20:19	5
Disulfoton	ND		250		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Dimethoate	ND		120		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
EPN	ND		68		ug/Kg	₽	05/13/21 13:44	05/22/21 20:19	5
Ethoprop	ND		79		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Ethyl Parathion	ND		94		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Famphur	ND		68		ug/Kg	₽	05/13/21 13:44	05/22/21 20:19	5
Fensulfothion	ND		130		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Fenthion	ND		170		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Malathion	ND		79		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Merphos	ND		160		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Methyl parathion	ND		100		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Phorate	ND		100		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Propazine	ND		350		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Ronnel	ND		240		ug/Kg	₽	05/13/21 13:44	05/22/21 20:19	5
Simazine	ND	*+	350		ug/Kg	≎	05/13/21 13:44	05/22/21 20:19	5
Sulfotepp	ND		100		ug/Kg	₽	05/13/21 13:44	05/22/21 20:19	5
Trichloronate	ND		100		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Thionazin	ND		94		ug/Kg	₽	05/13/21 13:44	05/22/21 20:19	5
Tokuthion	ND		100		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
o,o',o"-Triethylphosphorothioate	ND		200		ug/Kg	☼	05/13/21 13:44	05/22/21 20:19	5
Demeton, Total	ND		200		ug/Kg	₩	05/13/21 13:44	05/22/21 20:19	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Triphenylphosphate	71	D	47 - 161				05/13/21 13:44	05/22/21 20:19	5
Chlormefos	50	D	42 - 132				05/13/21 13:44	05/22/21 20:19	5

Method: 8151A - Herbicide	s (GC)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND ND	8300	ug/Kg	<u></u>	05/12/21 06:54	05/20/21 21:46	1
Silvex (2,4,5-TP)	ND	21	ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1
MCPP	ND	8300	ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1
2,4,5-T	ND	21	ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1
2,4-D	ND	83	ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11 Date Received: 05/07/21 16:46 Lab Sample ID: 590-15094-5

Matrix: Solid

Percent Solids: 93.4

Job ID: 590-15094-1

Method: 8151A - Herbicides	s (GC) (Contin	ued)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-DB	ND		83		ug/Kg	-	05/12/21 06:54	05/20/21 21:46	1
Dalapon	ND		42		ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1
Dicamba	ND		42		ug/Kg	₽	05/12/21 06:54	05/20/21 21:46	1
Dichlorprop	ND		83		ug/Kg	₩	05/12/21 06:54	05/20/21 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		31 - 105				05/12/21 06:54	05/20/21 21:46	1
- Method: 6020B - Metals (IC	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		0.41		mg/Kg	<u></u>	05/12/21 11:18	05/13/21 15:11	10
Barium	61		0.82		mg/Kg	☼	05/12/21 11:18	05/13/21 15:11	10
Cadmium	ND		0.66		mg/Kg	₩	05/12/21 11:18	05/13/21 15:11	10

Method: 7471A - Mercury (CVAA) Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND	0.16	mg/Kg	₽	05/12/21 11:18	05/13/21 15:11	10
Selenium	1.8	1.2	mg/Kg	₩	05/12/21 11:18	05/13/21 15:11	10

0.28

0.82

0.41

mg/Kg

mg/Kg

mg/Kg

19

10

4.1

Client Sample ID: SGC-042221-PH-06

Date Collected: 05/07/21 15:28 Date Received: 05/07/21 16:46

Chromium

Lead

Mercury

Lab Sample ID: 590-15094-6 **Matrix: Solid**

© 05/12/21 11:18 05/13/21 15:11

☼ 05/12/21 11:18 05/13/21 15:11

Percent Solids: 88.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND	*+	7.2		ug/Kg	*	05/12/21 10:24	05/19/21 08:24	2
Endosulfan II	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Endosulfan sulfate	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Endrin	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Endrin aldehyde	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Endrin ketone	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
beta-BHC	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
alpha-BHC	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
delta-BHC	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
gamma-BHC (Lindane)	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
trans-Chlordane	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDD	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDE	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
4,4'-DDT	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Heptachlor	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Heptachlor epoxide	ND	*+	7.2		ug/Kg	₽	05/12/21 10:24	05/19/21 08:24	2
Dieldrin	ND	*+	7.2		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
Aldrin	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Methoxychlor	ND	*+	14		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2
Toxaphene	ND		280		ug/Kg	☼	05/12/21 10:24	05/19/21 08:24	2
cis-Chlordane	ND	*+	7.2		ug/Kg	₩	05/12/21 10:24	05/19/21 08:24	2

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-06

Lab Sample ID: 590-15094-6

Date Collected: 05/07/21 15:28 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 88.3

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77	63 - 124	05/12/21 10:24	05/19/21 08:24	2
Tetrachloro-m-xylene	74	59 - 115	05/12/21 10:24	05/19/21 08:24	2

Method: 8141B - Organopho	nenhoroue Co	mnounde	hy Gas Chro	matography Ca	nillan	, Column To	chnique	
Analyte		Qualifier	RL	MDL Unit	piliai y D	Prepared	Analyzed	Dil Fa
Azinphos-methyl	ND			ug/Kg	<u></u>	05/13/21 13:44	05/22/21 20:58	
Bolstar	ND		15	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Atrazine	ND		75	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Chlorpyrifos	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Diazinon	ND		25	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Coumaphos	ND		15	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Dichlorvos	ND		26	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Disulfoton	ND		54	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Dimethoate	ND	F1	25	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
EPN	ND		15	ug/Kg		05/13/21 13:44	05/22/21 20:58	
Ethoprop	ND		17	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Ethyl Parathion	ND		20	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Famphur	ND		15	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Fensulfothion	ND	F1	28	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Fenthion	ND		37	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Malathion	ND		17	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Merphos	ND		34	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Methyl parathion	ND		22	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Phorate	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Propazine	ND		75	ug/Kg	₽	05/13/21 13:44	05/22/21 20:58	
Ronnel	ND		52	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Simazine	ND	*+	75	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Sulfotepp	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Trichloronate	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
Thionazin	ND		20	ug/Kg	☼	05/13/21 13:44	05/22/21 20:58	
Tokuthion	ND		22	ug/Kg	≎	05/13/21 13:44	05/22/21 20:58	
o,o',o"-Triethylphosphorothioate	ND		44	ug/Kg	☆	05/13/21 13:44	05/22/21 20:58	
Demeton, Total	ND		44	ug/Kg	₩	05/13/21 13:44	05/22/21 20:58	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Triphenylphosphate	75		47 - 161			05/13/21 13:44	05/22/21 20:58	
Chlormefos	49		42 - 132			05/13/21 13:44	05/22/21 20:58	

Method: 8151A - Herbicid	les (GC)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND ND	8800		ug/Kg	<u></u>	05/12/21 06:54	05/20/21 22:08	1
Silvex (2,4,5-TP)	ND	22		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
MCPP	ND	8800		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
2,4,5-T	ND	22		ug/Kg	₽	05/12/21 06:54	05/20/21 22:08	1
2,4-D	ND	88		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
2,4-DB	ND	88		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
Dalapon	ND	44		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
Dicamba	ND	44		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1
Dichlorprop	ND	88		ug/Kg	₩	05/12/21 06:54	05/20/21 22:08	1

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Job ID: 590-15094-1

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-06

Date Collected: 05/07/21 15:28

Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-6

Matrix: Solid

Percent Solids: 88.3

Job ID: 590-15094-1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	80		31 - 105				05/12/21 06:54	05/20/21 22:08	1
Method: 6020B - Metals (IC	P/MS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3		0.46		mg/Kg	— <u></u>	05/12/21 11:18	05/13/21 15:14	10
Barium	100		0.92		mg/Kg	₽	05/12/21 11:18	05/13/21 15:14	10
Cadmium	ND		0.74		mg/Kg	₽	05/12/21 11:18	05/13/21 15:14	10
Chromium	12		0.92		mg/Kg	₩	05/12/21 11:18	05/13/21 15:14	10
Lead	11		0.46		mg/Kg	₽	05/12/21 11:18	05/13/21 15:14	10
Selenium	2.6		1.4		mg/Kg	₽	05/12/21 11:18	05/13/21 15:14	10
Silver	ND		0.18		mg/Kg	₽	05/12/21 11:18	05/13/21 15:14	10
Method: 7471A - Mercury (CVAA)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.032		mg/Kg	— <u>—</u>	05/19/21 12:03	05/19/21 18:20	

Client: Fulcrum Environmental

MB MB

Job ID: 590-15094-1 Project/Site: Kinney Sundance/192860.03

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 280-535796/1-A

Matrix: Solid

Analysis Batch: 536567

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

Prep Batch: 535796

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan I	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endosulfan II	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endosulfan sulfate	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin aldehyde	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Endrin ketone	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
beta-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
alpha-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
delta-BHC	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
gamma-BHC (Lindane)	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
trans-Chlordane	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDD	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDE	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
4,4'-DDT	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Heptachlor	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Heptachlor epoxide	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Dieldrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Aldrin	ND		3.4		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Methoxychlor	ND		6.6		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
Toxaphene	ND		130		ug/Kg		05/12/21 10:24	05/19/21 08:43	1
					_				

MB MB

ND

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		63 - 124	05/12/21 10:24	05/19/21 08:43	1
Tetrachloro-m-xylene	78		59 - 115	05/12/21 10:24	05/19/21 08:43	1

3.4

ug/Kg

Lab Sample ID: LCS 280-535796/2-A

Matrix: Solid

cis-Chlordane

Analysis Batch: 537235

Client Sample ID: Lab Control Sample Prep Type: Total/NA **Prep Batch: 535796**

05/12/21 10:24 05/19/21 08:43

Analysis Batch. 337233	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Endosulfan I	33.3	32.8		ug/Kg		98	60 - 101
Endosulfan II	33.3	39.8	*+	ug/Kg		119	60 - 100
Endosulfan sulfate	33.3	40.7	*+	ug/Kg		122	63 - 105
Endrin	33.3	44.0	*+	ug/Kg		132	62 - 111
Endrin aldehyde	33.3	40.5	*+	ug/Kg		121	53 - 88
Endrin ketone	33.3	43.1	*+	ug/Kg		129	62 - 98
beta-BHC	33.3	30.4		ug/Kg		91	60 - 99
alpha-BHC	33.3	34.7	*+	ug/Kg		104	61 - 101
delta-BHC	33.3	31.2		ug/Kg		94	62 - 103
gamma-BHC (Lindane)	33.3	32.8		ug/Kg		99	61 - 102
trans-Chlordane	33.3	33.3		ug/Kg		100	59 - 109
4,4'-DDD	33.3	44.3	*+	ug/Kg		133	63 - 104
4,4'-DDE	33.3	33.4		ug/Kg		100	63 - 105
4,4'-DDT	33.3	45.9	*+	ug/Kg		138	63 - 106
Heptachlor	33.3	39.9	*+	ug/Kg		120	59 - 109
Heptachlor epoxide	33.3	32.2		ug/Kg		97	61 - 105
Dieldrin	33.3	34.3		ug/Kg		103	64 - 106

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

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

Lab Sample ID: LCS 280-535796/2-A

Matrix: Solid

Analysis Batch: 537235

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 535796

	Spike	LCS LCS				%Rec.	
Analyte	Added	Result Qual	ifier Unit	D %	Rec	Limits	
Aldrin	33.3	31.4	ug/Kg		94	59 - 104	
Methoxychlor	33.3	49.0 *+	ug/Kg		147	62 - 110	
cis-Chlordane	33.3	33.3	ug/Kg		100	60 - 104	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
DCB Decachlorobiphenyl	91		63 - 124
Tetrachloro-m-xylene	83		59 ₋ 115

Client Sample ID: Lab Control Sample Dup

137

125

99

105

96

143

102

29

18

18

25

50

23

18

2

3

Lab Sample ID: LCSD 280-535796/3-A **Matrix: Solid Prep Type: Total/NA** Prep Batch: 535796 **Analysis Batch: 537235** Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Endosulfan I 33.3 33.5 60 - 101 2 ug/Kg 101 26 Endosulfan II 33.3 39.6 *+ 20 ug/Kg 119 60 - 100 Endosulfan sulfate 33.3 41.1 *+ ug/Kg 123 63 - 105 22

33.3 44.9 135 62 - 111 30 Endrin ug/Kg 29 Endrin aldehyde 33.3 40.6 *+ 122 53 - 88 O ug/Kg Endrin ketone 33.3 43.8 *+ ug/Kg 131 62 - 9820 beta-BHC 33.3 31.2 94 60 - 99 17 ug/Kg alpha-BHC 33.3 36.2 *+ ug/Kg 109 61 - 101 17 delta-BHC 33.3 32.6 98 62 - 103 19 ug/Kg gamma-BHC (Lindane) 33.3 33.9 ug/Kg 102 61 - 102 24 trans-Chlordane 33.3 34.1 102 59 - 109 21 ug/Kg 3 4,4'-DDD 130 33.3 43.3 *+ ug/Kg 63 - 1042 20 4,4'-DDE 33.3 34.1 ug/Kg 102 63 - 10515

33.3

33.3

33.3

33.3

33.3

45.6 *+

41.7 *+

33.1

34.8

32 1

34.1

47.7 *+

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

33.3 33.3 LCSD LCSD

MB MB

%Recovery Qualifier Surrogate Limits DCB Decachlorobiphenyl 95 63 - 124 85 59 - 115 Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC) - RA

Lab Sample ID: MB 280-535796/1-A

Matrix: Solid

4,4'-DDT

Dieldrin

Aldrin

Heptachlor

Methoxychlor

cis-Chlordane

Heptachlor epoxide

Analysis Batch: 538096

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

63 - 106

59 - 109

61 - 105

64 - 106

59 - 104

62 - 110

60 - 104

Prep Batch: 535796

6/2/2021

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Endrin aldehyde - RA ND 3.4 05/12/21 10:24 06/01/21 17:42 ug/Kg

Client: Fulcrum Environmental Job ID: 590-15094-1

Project/Site: Kinney Sundance/192860.03

Method: 8081B - Organochlorine Pesticides (GC) - RA (Continued)

Lab Sample ID: MB 280-535796/1-A

Matrix: Solid

Analysis Batch: 538096

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 535796

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate DCB Decachlorobiphenyl - RA 88 63 - 124 05/12/21 10:24 06/01/21 17:42 Tetrachloro-m-xylene - RA 101 59 - 115 05/12/21 10:24 06/01/21 17:42

Lab Sample ID: LCS 280-535796/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 538096

Prep Type: Total/NA

Prep Batch: 535796

LCS LCS %Rec. Spike Analyte Limits

Added Result Qualifier Unit %Rec Endrin aldehyde - RA 33.3 24.5 ug/Kg 73 53 - 88

LCS LCS

Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl - RA 99 63 - 124 Tetrachloro-m-xylene - RA 102 59 - 115

Lab Sample ID: LCSD 280-535796/3-A **Client Sample ID: Lab Control Sample Dup**

Spike

Matrix: Solid

Analysis Batch: 538096

Prep Type: Total/NA **Prep Batch: 535796**

%Rec. **RPD**

Added Result Qualifier Unit D %Rec Limits RPD Limit 33.3 23.3 Endrin aldehyde - RA 70 53 - 88 ug/Kg

LCSD LCSD

LCSD LCSD

Surrogate %Recovery Qualifier Limits DCB Decachlorobiphenyl - RA 103 63 - 124 109 Tetrachloro-m-xylene - RA 59 - 115

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique

Lab Sample ID: MB 280-536038/1-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 537125

Prep Type: Total/NA Prep Batch: 536038

	MB N	ИΒ							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Azinphos-methyl	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Bolstar	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Atrazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Chlorpyrifos	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Diazinon	ND		22		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Coumaphos	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Dichlorvos	ND		23		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Disulfoton	ND		48		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Dimethoate	ND		22		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
EPN	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ethoprop	ND		15		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ethyl Parathion	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Famphur	ND		13		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Fensulfothion	ND		25		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Fenthion	ND		33		ug/Kg		05/13/21 13:44	05/22/21 15:46	1

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6/2/2021

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: MB 280-536038/1-A

Matrix: Solid

Analysis Batch: 537125

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 536038

Job ID: 590-15094-1

	MB M	IB							
Analyte	Result Q	ualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Malathion	ND		15		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Merphos	ND		30		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Methyl parathion	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Phorate	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Propazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Ronnel	ND		46		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Simazine	ND		67		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Sulfotepp	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Trichloronate	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Thionazin	ND		18		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Tokuthion	ND		20		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
o,o',o"-Triethylphosphorothioate	ND		39		ug/Kg		05/13/21 13:44	05/22/21 15:46	1
Demeton, Total	ND		39		ug/Kg		05/13/21 13:44	05/22/21 15:46	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Triphenylphosphate	80		47 - 161	05/13/21 13:44	05/22/21 15:46	1
Chlormefos	59		42 - 132	05/13/21 13:44	05/22/21 15:46	1

Lab Sample ID: LCS 280-536038/2-A

Matrix: Solid

Analysis Batch: 537125

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 536038

7 maryolo Batom 607 120	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Azinphos-methyl	133	113		ug/Kg		85	48 - 126
Atrazine	133	133		ug/Kg		100	35 - 123
Chlorpyrifos	133	112		ug/Kg		84	48 - 115
Diazinon	133	116		ug/Kg		87	43 - 115
Coumaphos	133	124		ug/Kg		93	57 - 125
Dichlorvos	133	112		ug/Kg		84	37 - 143
Disulfoton	133	96.6		ug/Kg		72	31 - 98
Dimethoate	133	49.5		ug/Kg		37	20 - 115
EPN	133	104		ug/Kg		78	47 - 109
Ethoprop	133	97.4		ug/Kg		73	44 - 102
Ethyl Parathion	133	106		ug/Kg		79	49 - 115
Famphur	133	120		ug/Kg		90	40 - 115
Fensulfothion	133	85.3		ug/Kg		64	49 - 115
Fenthion	133	108		ug/Kg		81	43 - 110
Malathion	133	102		ug/Kg		76	41 - 95
Merphos	133	54.6		ug/Kg		41	10 - 93
Methyl parathion	133	109		ug/Kg		82	46 - 107
Phorate	133	91.5		ug/Kg		69	33 - 96
Ronnel	133	112		ug/Kg		84	50 - 115
Simazine	133	167	*+	ug/Kg		125	38 - 115
Sulfotepp	133	101		ug/Kg		76	42 - 115
Trichloronate	133	98.3		ug/Kg		74	52 - 110
Thionazin	133	96.6		ug/Kg		72	40 - 108
o,o',o"-Triethylphosphorothioate	133	80.7		ug/Kg		61	21 - 117

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9

3

5

7

9

10

12

12

5:46 1
rol Sample

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column **Technique (Continued)**

Lab Sample ID: LCS 280-536038/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Total/NA Prep Batch: 536038 Analysis Batch: 537125** Spike LCS LCS %Rec.

Limits **Analyte** Added Result Qualifier Unit D %Rec Demeton, Total 133 94.8 ug/Kg

LCS LCS %Recovery Qualifier Surrogate Limits Triphenylphosphate 85 47 - 161 Chlormefos 68 42 - 132

Lab Sample ID: 590-15094-6 MS Client Sample ID: SGC-042221-PH-06

Analysis Batch: 537125

Matrix: Solid Prep Type: Total/NA Prep Batch: 536038

7 , 0.0 = 0.0 001 .=0	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits
Azinphos-methyl	ND		150	122		ug/Kg	— <u></u>	81	48 - 126
Atrazine	ND		150	123		ug/Kg	☆	82	35 - 123
Chlorpyrifos	ND		150	109		ug/Kg	₩	73	48 - 115
Diazinon	ND		150	112		ug/Kg	₩	75	43 - 115
Coumaphos	ND		150	134		ug/Kg	≎	89	57 - 125
Dichlorvos	ND		150	80.2		ug/Kg	☆	53	37 - 143
Disulfoton	ND		150	80.9		ug/Kg	☆	54	31 - 98
Dimethoate	ND	F1	150	32.7		ug/Kg	☆	22	20 - 115
EPN	ND		150	110		ug/Kg	₩	73	47 - 109
Ethoprop	ND		150	91.7		ug/Kg	₩	61	44 - 102
Ethyl Parathion	ND		150	115		ug/Kg	≎	77	49 - 115
Famphur	ND		150	123		ug/Kg	₩	82	40 - 115
Fensulfothion	ND	F1	150	85.8		ug/Kg	₩	57	49 - 115
Fenthion	ND		150	107		ug/Kg	≎	71	43 - 110
Malathion	ND		150	109		ug/Kg	≎	73	41 - 95
Merphos	ND		150	61.4		ug/Kg	₩	41	10 - 93
Methyl parathion	ND		150	110		ug/Kg	₩	73	46 - 107
Phorate	ND		150	82.9		ug/Kg	≎	55	33 - 96
Ronnel	ND		150	113		ug/Kg	₽	76	50 - 115
Simazine	ND	*+	150	143		ug/Kg	≎	95	38 - 115
Sulfotepp	ND		150	95.1		ug/Kg	≎	63	42 - 115
Trichloronate	ND		150	100		ug/Kg	₩	67	52 - 110
Thionazin	ND		150	91.4		ug/Kg	≎	61	40 - 108
o,o',o"-Triethylphosphorothioate	ND		150	55.3		ug/Kg	≎	37	21 - 117
Demeton, Total	ND		150	71.7		ug/Kg	₩	48	38 - 100

MS MS

Surrogate	%Recovery	Qualifier	Limits
Triphenylphosphate	80		47 - 161
Chlormefos	46		42 - 132

Lab Sample ID: 590-15094-6 MSD

Matrix: Solid									Prep ly	pe: 10t	ai/NA
Analysis Batch: 537125									Prep Ba	atch: 5	36038
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Azinphos-methyl	ND		147	110		ug/Kg	<u></u>	75	48 - 126	10	21

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Client Sample ID: SGC-042221-PH-06

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Client: Fulcrum Environmental Job ID: 590-15094-1

Project/Site: Kinney Sundance/192860.03

Method: 8141B - Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique (Continued)

Lab Sample ID: 590-15094-6 MSD

Matrix: Solid

Analysis Batch: 537125

Client Sample ID: SGC-042221-PH-06

Prep Type: Total/NA Prep Batch: 536038

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Atrazine	ND		147	122	-	ug/Kg	☼	83	35 - 123	1	31
Chlorpyrifos	ND		147	109		ug/Kg	☼	74	48 - 115	0	27
Diazinon	ND		147	109		ug/Kg	₽	74	43 - 115	3	29
Coumaphos	ND		147	130		ug/Kg	☼	89	57 - 125	3	26
Dichlorvos	ND		147	83.5		ug/Kg	☼	57	37 - 143	4	50
Disulfoton	ND		147	88.5		ug/Kg	₽	60	31 - 98	9	35
Dimethoate	ND	F1	147	27.4	F1	ug/Kg	☼	19	20 - 115	18	29
EPN	ND		147	104		ug/Kg	☼	71	47 - 109	5	23
Ethoprop	ND		147	97.0		ug/Kg	₩	66	44 - 102	6	34
Ethyl Parathion	ND		147	108		ug/Kg	☼	74	49 - 115	6	23
Famphur	ND		147	106		ug/Kg	☼	72	40 - 115	15	23
Fensulfothion	ND	F1	147	71.0	F1	ug/Kg	₩	48	49 - 115	19	23
Fenthion	ND		147	106		ug/Kg	☼	72	43 - 110	1	24
Malathion	ND		147	106		ug/Kg	☼	72	41 - 95	3	23
Merphos	ND		147	57.5		ug/Kg	₽	39	10 - 93	7	25
Methyl parathion	ND		147	107		ug/Kg	☼	73	46 - 107	3	23
Phorate	ND		147	85.6		ug/Kg	☼	58	33 - 96	3	44
Ronnel	ND		147	109		ug/Kg	₽	74	50 - 115	4	29
Simazine	ND	*+	147	141		ug/Kg	☼	96	38 - 115	1	43
Sulfotepp	ND		147	95.6		ug/Kg	☼	65	42 - 115	1	37
Trichloronate	ND		147	99.6		ug/Kg	₽	68	52 - 110	1	31
Thionazin	ND		147	92.1		ug/Kg	☼	63	40 - 108	1	41
o,o',o"-Triethylphosphorothioate	ND		147	65.0		ug/Kg	☼	44	21 - 117	16	50
Demeton, Total	ND		147	79.6		ug/Kg	₽	54	38 - 100	10	51

MSD MSD

Surrogate%RecoveryQualifierLimitsTriphenylphosphate7947 - 161Chlormefos5142 - 132

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 280-535795/1-A

Matrix: Solid

Analysis Batch: 536748

Client	: Sampl	le I	D:	Meth	od	Blan	K
		D	1		T	4-1/81	

Prep Type: Total/NA

Prep Batch: 535795

	MB ME	3						
Analyte	Result Qu	ıalifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MCPA	ND ND	8000		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Silvex (2,4,5-TP)	ND	20		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
MCPP	ND	8000		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4,5-T	ND	20		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4-D	ND	80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
2,4-DB	ND	80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dalapon	ND	40		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dicamba	ND	40		ug/Kg		05/12/21 06:54	05/21/21 00:20	1
Dichlorprop	ND	80		ug/Kg		05/12/21 06:54	05/21/21 00:20	1

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5

4

0

8

10

11

Project/Site: Kinney Sundance/192860.03

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 280-535795/1-A

Matrix: Solid

Analysis Batch: 536748

Client: Fulcrum Environmental

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 535795

MB MB

%Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 2,4-Dichlorophenylacetic acid 05/12/21 06:54 05/21/21 00:20 73 31 - 105

LCS LCS

8740

73.4

8730

78.3

85.7

65.1

71.4

66.8 J

76.1 J

Result Qualifier

Unit

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

ug/Kg

Lab Sample ID: LCS 280-535795/2-A

Spike

Added

10000

10000

100

100

100

100

100

100

100

Matrix: Solid

Silvex (2,4,5-TP)

Analyte

MCPA

MCPP

2,4,5-T

2,4-D

2,4-DB

Dalapon

Dicamba

Dichlorprop

Analysis Batch: 536748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

%Rec.

Prep Batch: 535795

Limits

25 - 92

24 - 98

D %Rec 87 15 - 100 73 26 - 100 87 20 - 112 78 22 - 102 86 22 - 105 67 21 - 98 65 25 - 102

LCS LCS

Surrogate %Recovery Qualifier Limits 2,4-Dichlorophenylacetic acid 81 31 - 105

Lab Sample ID: LCSD 280-535795/3-A

Matrix: Solid

Analysis Batch: 536748

Client Sample ID: Lab Control Sample Dup

71

76

Prep Type: Total/NA

Prep Batch: 535795

-	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
MCPA	10000	8320		ug/Kg		83	15 - 100	5	50
Silvex (2,4,5-TP)	100	72.2		ug/Kg		72	26 - 100	2	40
MCPP	10000	8250		ug/Kg		83	20 - 112	6	50
2,4,5-T	100	75.9		ug/Kg		76	22 - 102	3	40
2,4-D	100	84.3		ug/Kg		84	22 - 105	2	40
2,4-DB	100	66.2	J	ug/Kg		66	21 - 98	1	50
Dalapon	100	59.6		ug/Kg		60	25 - 102	9	50
Dicamba	100	69.6		ug/Kg		70	25 - 92	2	50
Dichlorprop	100	72.5	J	ug/Kg		72	24 - 98	5	50

LCSD LCSD

%Recovery Qualifier Limits Surrogate

31 - 105 2,4-Dichlorophenylacetic acid 75

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-356388/22-A

Matrix: Solid

Analysis Batch: 356445

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

Prep Batch: 356388

6/2/2021

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.25		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Barium	ND		0.50		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Cadmium	ND		0.40		mg/Kg		05/12/21 11:18	05/12/21 14:53	5

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

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

Lab Sample ID: MB 580-356388/22-A

Lab Sample ID: LCS 580-356388/23-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 356445

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 356388

	MB	MB						•	
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.50		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Lead	ND		0.25		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Selenium	ND		0.75		mg/Kg		05/12/21 11:18	05/12/21 14:53	5
Silver	ND		0.10		mg/Kg		05/12/21 11:18	05/12/21 14:53	5

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 356388

Analysis Batch: 356445 Spike LCS LCS %Rec. Added Result Qualifier D %Rec Limits Analyte Unit Arsenic 50.0 52.7 105 80 - 120 mg/Kg Barium 50.0 50.8 mg/Kg 102 80 - 120 Cadmium 50.0 49.0 mg/Kg 98 80 - 120 Chromium 50.0 50.0 mg/Kg 100 80 - 120 Lead 50.0 49.1 mg/Kg 98 80 - 120 Selenium 50.0 49.6 80 - 120 mg/Kg 99 Silver 50.0 50.3 mg/Kg 101 80 - 120

Lab Sample ID: LCSD 580-356388/24-A

Matrix: Solid

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 356445							Prep Ba	itch: 3	56388
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	50.0	55.0		mg/Kg		110	80 - 120	4	20
Barium	50.0	53.7		mg/Kg		107	80 - 120	5	20
Cadmium	50.0	51.9		mg/Kg		104	80 - 120	6	20
Chromium	50.0	52.8		mg/Kg		106	80 - 120	6	20
Lead	50.0	51.8		mg/Kg		104	80 - 120	5	20
Selenium	50.0	51.0		mg/Kg		102	80 - 120	3	20
Silver	50.0	52.9		mg/Kg		106	80 - 120	5	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-356900/23-A

Matrix: Solid

Analysis Batch: 356960

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

Prep Batch: 356900

MB MB

Result Qualifier Analyte RL **MDL** Unit Analyzed Dil Fac Prepared 0.018 05/19/21 12:03 05/19/21 17:13 Mercury ND mg/Kg

Lab Sample ID: LCS 580-356900/24-A

Matrix: Solid

Analyte

Mercury

Analysis Batch: 356960

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 356900**

%Rec.

Spike LCS LCS Added Result Qualifier D %Rec Limits Unit 0.100 0.101 101 80 - 120 mg/Kg

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QC Sample Results

Client: Fulcrum Environmental Job ID: 590-15094-1

Project/Site: Kinney Sundance/192860.03

Method: 7471A - Mercury (CVAA) (Continued)

Mercury

Lab Sample ID: LCSD 580-356900/25-A **Client Sample ID: Lab Control Sample Dup Matrix: Solid Prep Type: Total/NA Analysis Batch: 356960 Prep Batch: 356900** Spike LCSD LCSD RPD %Rec. Result Qualifier Unit Added Limits RPD Limit Analyte D %Rec

0.0938

mg/Kg

0.100

20

80 - 120

94

8

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Batch

Client Sample ID: SGC-042221-PH-01

Batch

Date Collected: 05/07/21 14:30 Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-1 **Matrix: Solid**

Initial

Final

Batch **Prepared**

Lab Sample ID: 590-15094-2

Matrix: Solid

Method **Factor** or Analyzed **Prep Type** Type Run **Amount Amount** Number Analyst Lab Total/NA Analysis Moisture 31586 05/12/21 11:14 AMB TAL SPK

Dil

Client Sample ID: SGC-042221-PH-01 Lab Sample ID: 590-15094-1 Date Collected: 05/07/21 14:30 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 91.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546	RA		16.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DE
Total/NA	Analysis	8081B	RA	2			538096	06/01/21 17:24	MD	TAL DE
Total/NA	Prep	3546			16.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DE
Total/NA	Analysis	8081B		2			537235	05/24/21 16:44	MD	TAL DE
Total/NA	Prep	3540C			30.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DE
Total/NA	Analysis	8141B		5			537125	05/22/21 17:43	MKW	TAL DE
Total/NA	Prep	8151A			52.9 g	10 mL	535795	05/12/21 06:54	DB	TAL DE
Total/NA	Analysis	8151A		2			536748	05/20/21 20:17	MB	TAL DE
Total/NA	Prep	3050B			1.3485 g	50 mL	356388	05/12/21 11:18	C1K	FGS SE
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 14:55	FCW	FGS SE
Total/NA	Prep	7471A			0.6664 g	50 mL	356900	05/19/21 12:03	C1K	FGS SE
Total/NA	Analysis	7471A		1			356960	05/19/21 18:03	C1K	FGS SE

Client Sample ID: SGC-042221-PH-02

Date Collected: 05/07/21 14:40 Date Received: 05/07/21 16:46

Batch **Batch** Dil Initial Final **Batch** Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis Moisture 31586 05/12/21 11:14 AMB TAL SPK

Client Sample ID: SGC-042221-PH-02 Lab Sample ID: 590-15094-2 Date Collected: 05/07/21 14:40 Matrix: Solid

Date Received: 05/07/21 16:46 Percent Solids: 90.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.4 g	10 mL	535796	05/12/21 10:24	DB	TAL DE
Total/NA	Analysis	8081B		2			536567	05/19/21 07:10	MD	TAL DE
Total/NA	Prep	3540C			31.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DE
Total/NA	Analysis	8141B		5			537125	05/22/21 18:22	MKW	TAL DE
Total/NA	Prep	8151A			51.0 g	10 mL	535795	05/12/21 06:54	DB	TAL DE
Total/NA	Analysis	8151A		2			536748	05/20/21 20:40	MB	TAL DE
Total/NA	Prep	3050B			1.3992 g	50 mL	356388	05/12/21 11:18	C1K	FGS SE
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 14:59	FCW	FGS SE
Total/NA	Prep	7471A			0.6282 g	50 mL	356900	05/19/21 12:03	C1K	FGS SE
Total/NA	Analysis	7471A		1			356960	05/19/21 18:05	C1K	FGS SE

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-03

Date Collected: 05/07/21 14:52

Client: Fulcrum Environmental

Matrix: Solid Date Received: 05/07/21 16:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-03

Date Collected: 05/07/21 14:52 Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-3

Lab Sample ID: 590-15094-4

Lab Sample ID: 590-15094-4

Matrix: Solid

Matrix: Solid

Percent Solids: 91.2

Lab Sample ID: 590-15094-3

Matrix: Solid Percent Solids: 93.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.7 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		10			536653	05/19/21 19:38	MD	TAL DEN
Total/NA	Prep	3540C			30.0 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 19:01	MKW	TAL DEN
Total/NA	Prep	8151A			50.7 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:02	MB	TAL DEN
Total/NA	Prep	3050B			1.2917 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:03	FCW	FGS SEA
Total/NA	Prep	7471A			0.7367 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		10			356960	05/19/21 18:23	C1K	FGS SEA

Client Sample ID: SGC-042221-PH-04

Date Collected: 05/07/21 14:55

Date Received: 05/07/21 16:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-04

Date Collected: 05/07/21 14:55

Date Received: 05/07/21 16:46

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.7 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			536567	05/19/21 07:47	MD	TAL DEN
Total/NA	Prep	3540C			30.0 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		1			537125	05/22/21 19:40	MKW	TAL DEN
Total/NA	Prep	8151A			50.4 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:24	MB	TAL DEN
Total/NA	Prep	3050B			1.6308 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:07	FCW	FGS SEA
Total/NA	Prep	7471A			0.6092 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:15	C1K	FGS SEA

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Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11 Date Received: 05/07/21 16:46 Lab Sample ID: 590-15094-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-05

Date Collected: 05/07/21 15:11

Date Received: 05/07/21 16:46

Lab Sample ID: 590-15094-5

Matrix: Solid Percent Solids: 93.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			17.0 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		10			537235	05/24/21 17:03	MD	TAL DEN
Total/NA	Prep	3540C			30.6 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		5			537125	05/22/21 20:19	MKW	TAL DEN
Total/NA	Prep	8151A			51.5 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 21:46	MB	TAL DEN
Total/NA	Prep	3050B			1.3048 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:11	FCW	FGS SEA
Total/NA	Prep	7471A			0.6858 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		10			356960	05/19/21 18:33	C1K	FGS SEA

Client Sample ID: SGC-042221-PH-06

Date Collected: 05/07/21 15:28

Date Received: 05/07/21 16:46

Lab Sample	ID: 590-15094-6
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Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			31586	05/12/21 11:14	AMB	TAL SPK

Client Sample ID: SGC-042221-PH-06

Lab Sample ID: 590-15094-6 Date Collected: 05/07/21 15:28 **Matrix: Solid** Date Received: 05/07/21 16:46 Percent Solids: 88.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			16.1 g	10 mL	535796	05/12/21 10:24	DB	TAL DEN
Total/NA	Analysis	8081B		2			536567	05/19/21 08:24	MD	TAL DEN
Total/NA	Prep	3540C			30.3 g	2 mL	536038	05/13/21 13:44	SKL	TAL DEN
Total/NA	Analysis	8141B		1			537125	05/22/21 20:58	MKW	TAL DEN
Total/NA	Prep	8151A			51.4 g	10 mL	535795	05/12/21 06:54	DB	TAL DEN
Total/NA	Analysis	8151A		1			536748	05/20/21 22:08	MB	TAL DEN
Total/NA	Prep	3050B			1.2300 g	50 mL	356388	05/12/21 11:18	C1K	FGS SEA
Total/NA	Analysis	6020B		10	50 mL	50 mL	356530	05/13/21 15:14	FCW	FGS SEA
Total/NA	Prep	7471A			0.6442 g	50 mL	356900	05/19/21 12:03	C1K	FGS SEA
Total/NA	Analysis	7471A		1			356960	05/19/21 18:20	C1K	FGS SEA

Laboratory References:

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

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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

Eurofins TestAmerica, Spokane

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Pr	ogram	Identification Number	Expiration Date
Washington	Sta	ate	C569	01-06-22
The following analyte	s are included in this rend	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not	'	ort, but the laboratory is i	ior certified by the governing authority.	This list may include analytes for which
0 ,	'	Matrix	Analyte	This list may include analytes for which
the agency does not o	offer certification.	,	, , ,	This list may include analytes for which

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	Dept. of Energy	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2954	06-30-21
Florida	NELAP	E87575	07-30-21
Kentucky (WW)	State	KY98042	12-31-21
Louisiana	NELAP	03073	06-30-21
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-21
New York	NELAP	11662	04-01-22
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-21
Wisconsin	State	399133460	08-31-21

6/2/2021

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Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-1

Laboratory: Eurofins TestAmerica, Denver

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
lowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

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 $^{^{\}star}\,\text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Eurofins TestAmerica, Spokane

Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Method **Method Description** Protocol Laboratory 8081B Organochlorine Pesticides (GC) SW846 TAL DEN 8141B Organophosphorous Compounds by Gas Chromatography, Capillary Column Technique SW846 TAL DEN 8151A Herbicides (GC) SW846 TAL DEN 6020B Metals (ICP/MS) SW846 FGS SEA 7471A Mercury (CVAA) SW846 **FGS SEA** Percent Moisture EPA Moisture TAL SPK 3050B Preparation, Metals SW846 FGS SEA 3540C Soxhlet Extraction SW846 TAL DEN 3546 Microwave Extraction SW846 TAL DEN 7471A Preparation, Mercury SW846 **FGS SEA** 8151A Extraction (Herbicides) SW846 TAL DEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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

Job ID: 590-15094-1

EPA 80818

THE LEADER IN ENVIRONMENTAL TES	TATAL SECTION OF THE		21	

P 0 # Special Instructions/QC Requirements & Comments: Project Name: Kinney Sun Oance Spokane, WA 99201 Fulcrum Environmental Consulting, Inc. Relinquished by: Relinquished by: Relinquished by: Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification Non-Hazard Flammable Skin Irritant Poison B (509) 459-9220 207 West Boone Avenue (509) 459-9219 SGC-042221 - PH-01 192860.03 Sample Identification Client Contact Phone 105 404 703 06 707 Company: Tel/Fax: 1448 Project Manager: Stoff (510 05) TeUFax: Son-459-9220 Company: Sample Date Calendar (C) or Work Days (W) Poison B TAT if different from Below Analysis Turnaround Time 28. HI 1440 Sample Time 15SH 1528 2 days 1 week 2 weeks 1 day Sample Type Unknown Date/Time: 5/7/2 Date/Time: Date/Time: Matrix Chain of Custody Record # of IT GEOSTOPE Site Contact: SCOH GOOD Received by: Received by: NOW COUNTRY OF U Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Montl The Pesticider layEAA 8151A Received by: etals 6020, 590-15094 Chain of Custody Disposal By Lab Date: 5 Carrier: Company: Company: Company Date/Time; Job No. TestAmerica Laboratories, Inc. SDG No. Date/Time: Date/Time: Sample Specific Notes: Months 16:40 COCs Page 35 of 40

ooler Temperature(s) °C and Other Remarks:

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane. WA 99206 Phone: 509-924-9200 Fax: 509-924-9290

	Sampler			Lab PM:				Carrie	Carrier Tracking Mole)	(0)	1000		P
Client Information (Sub Contract Lab)	ē			Arring	Arrington, Randee E	dee E			n		590-5976.1		_
Shipping/Receiving	Phone:			E-Mail: Rande	e.Arring	ton@[E-Mail: Randee.Arrington@Eurofinset.com		State of Origin: Washington		Page:		
Company: TestAmerica Laboratories Inc				∀.	creditatio	ns Req	Accreditations Required (See note):				Job #:		_
Address:				S	tate Pro	gram	State Program - Washington				590-15094-1		_
4955 Yarrow Street.	5/20/2021						Analysis	Sis Reguested	ted		Preservation Codes	des:	_
City: Arvada	TAT Requested (days):	ys):				L					A - HCL B - NaOH	M - Hexane	_
State, Zip. CO, 80002											C - Zn Acetate D - Nitric Acid	0 - AsNa02 P - Na204S	
Phone: 303-736-0100(Tel) 303-431-7171(Fax)	PO #:										F - MeOH G - Amchlor	Q - Na2SO3 R - Na2S2O3 S - H2SO4	
Email:	, MO #:			I I	(0		(biid				H - Ascorbic Acid	T - TSP Dodecahydrate U - Acetone	
Project Name: General Testing - Scott Groat	Project #: 59001922				N 10 8		oS) əpi:				J - UI Water K - EDTA L - EDA	V - MCAA W - pH 4-5 Z - other (specify)	
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Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not cur maintain accreditation in the State of Origin listed above for analysis/lests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica altertion immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.	ica places the ownership x being analyzed, the sa o date, return the signed	o of method, an imples must be Chain of Custe	alyte & accredit shipped back to ody attesting to	ation compliance the Eurofins Te said complicance	upon out stAmerica e to Eurofi	subcor la labora ns Test	itract laboratories tory or other instn America.	. This sample ship	ment is forwar	ded under chain	of-custody. If the laboration status should be	of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently makes must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Chain of Custody attesting to said complicance to Eurofins TestAmerica.	
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Unconfirmed						Return	Return To Client		Disnosal By Lah	oles are retal	Return To Client Disposal Rul sh	1 month)	_
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Reinquished by.	Date/Time:		Ö	Company	Re	Received by:	34:		Da	Date/Time:		Company	$\overline{}$

Custody Seals Intact:
A Yes A No

Custody Seal No.

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane. WA 99206 Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record



💸 eurofins

Environment Testing

Client Information (Sub Contract Lab)	Sampler: Lab					PM: ington, Randee E						Can							COC No: 590-5975.1			
Client Information (Sub Contract Lab) Client Contact:	Phone:			E-Mai	i:							Stat	e of O	rigin:					Page:			
Shipping/Receiving	<u> </u>			Rand				urofin				Wa	shing	ton					Page 1 of 1			
Company: Eurofins Frontier Global Sciences LLC								ired (Se Wash											Job #: 590-15094-1			
Address:	Due Date Reques	sted:						•	<u> </u>		_					***************************************		_	Preservation Co	des:		
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Tacoma	i en requesteu (uaysį.																	B - NaOH C - Zn Acetate	N - None O - AsNaO2		
State, Zip:	1						أا									İ			D - Nitric Acid	P - Na2O4S		
WA, 98424 Phone:	PO #:					_			ĺ										E - NaHSO4 F - MeOH	Q - Na2SQ3 R - Na2S2Q3	\$	
253-922-2310(Tel) 425-420-9210(Fax)					_	arcur.								İ		Ì			G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dode	cahvdrate	
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Δ Yes Δ No	4.4				K K							(1.T.)	17.7		W.	17	n:	4/	ne			

Triber April

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Client: Fulcrum Environmental Job Number: 590-15094-1

Login Number: 15094

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	Not requested on COC.
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 66mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Eurofins TestAmerica, Spokane

Page 38 of 40

Client: Fulcrum Environmental Job Number: 590-15094-1

Login Number: 15094
List Source: Eurofins FGS, Seattle
List Number: 3
List Creation: 05/11/21 05:27 PM

Creator: Presley, Kim A

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Johnnont</td>	N/A	Johnnont
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	A2=0.7c/0.8d
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Fulcrum Environmental Job Number: 590-15094-1

Login Number: 15094 List Number: 2 List Source: Eurofins TestAmerica, Denver List Creation: 05/11/21 01:23 PM

Creator: Dubicki, Adam I

Sample Preservation Verified.

Residual Chlorine Checked.

Multiphasic samples are not present.

Samples do not require splitting or compositing.

MS/MSDs

<6mm (1/4").

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Creator: Dubicki, Adam L		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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?	N/A	
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	

True

True

N/A

True

True

N/A

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15094-2

Client Project/Site: Kinney Sundance/192860.03

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 6/8/2021 7:10:11 AM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Fulcrum Environmental Project/Site: Kinney Sundance/192860.03 Laboratory Job ID: 590-15094-2

Table of Contents

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Sample Summary	4
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Client Sample Results	6
QC Sample Results	7
Chronicle	8
Certification Summary	9
Method Summary	10
Chain of Custody	11
Receipt Checklists	

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Case Narrative

Client: Fulcrum Environmental

Job ID: 590-15094-2 Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Laboratory: Eurofins TestAmerica, Spokane

Receipt

The samples were received on 5/7/2021 4:46 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8° C.

Receipt Exceptions

The following sample was activated for 7196 Hexavalent Chromium analysis by the client on 06.04/2021: SGC-042221-PH-05 (590-15094-5). This analysis was not originally requested on the chain-of-custody (COC).

General Chemistry

Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 280-538600 and analytical batch 280-538913 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7196A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 280-538600 and analytical batch 280-538913 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

 Lab Sample ID
 Client Sample ID
 Matrix
 Collected
 Received
 Asset ID

 590-15094-5
 SGC-042221-PH-05
 Solid
 05/07/21 15:11
 05/07/21 16:46
 Asset ID

Job ID: 590-15094-2

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15094-2

Project/Site: Kinney Sundance/192860.03

Qualifiers

General Chemistry

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

F2 MS/MSD RPD exceeds control limits

Glossarv

Abbreviation	These commonly used abbreviations may or may not be present in this report.
n	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery

CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DΙ

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Client Sample Results

Client: Fulcrum Environmental Job ID: 590-15094-2

Project/Site: Kinney Sundance/192860.03

Date Collected: 05/07/21 15:11

Matrix: Solid
Date Received: 05/07/21 16:46

Percent Solids: 93.4

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND	F1 F2	2.2		mg/Kg	₩	06/04/21 11:43	06/07/21 16:17	1

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Job ID: 590-15094-2

Prep Batch: 538600

Project/Site: Kinney Sundance/192860.03

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 280-538600/14-A Client Sample ID: Method Blank Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 538913

Client: Fulcrum Environmental

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 2.0 06/04/21 11:43 06/07/21 16:17 Chromium, hexavalent ND mg/Kg

Lab Sample ID: LCS 280-538600/11-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA **Prep Batch: 538600 Analysis Batch: 538913**

Spike LCS LCS %Rec. Added Result Qualifier Unit D %Rec Limits 10.0 10.8 80 - 120 Chromium, hexavalent mg/Kg 108

Lab Sample ID: LCSD 280-538600/12-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 538913 Prep Batch: 538600** Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chromium, hexavalent 9.84 10.2 80 - 120 mg/Kg

Lab Sample ID: LCSI 280-538600/13-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 538913** Prep Batch: 538600 Spike LCSI LCSI %Rec. Added Analyte Result Qualifier Unit %Rec Limits

549 485 80 - 120 Chromium, hexavalent mg/Kg

Lab Sample ID: 590-15094-5 MS

Matrix: Solid

Analysis Batch: 538913

Prep Batch: 538600 MS MS Sample Sample Spike %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit Chromium, hexavalent ND F1 F2 10.8 3.49 F1 75 - 125 mg/Kg

Client Sample ID: SGC-042221-PH-05 Lab Sample ID: 590-15094-5 MSD

Matrix: Solid

Analysis Batch: 538913

Prep Batch: 538600 Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec ND F1 F2 10.8 4.82 F1 F2 Chromium, hexavalent mg/Kg 75 - 125 32

Lab Sample ID: 590-15094-5 MSI Client Sample ID: SGC-042221-PH-05 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 538913 Prep Batch: 538600 Sample Sample Spike MSI MSI %Rec.

Result Qualifier Added Result Qualifier Limits Unit ND F1 F2 80 - 120 Chromium, hexavalent 672 612 mg/Kg 91

Lab Sample ID: 590-15094-5 DU Client Sample ID: SGC-042221-PH-05 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 538913 Prep Batch: 538600 Sample Sample DU DU **RPD** Result Qualifier Result Qualifier **RPD** Analyte Unit D

Limit Chromium, hexavalent ND F1 F2 ND mg/Kg 20

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6/8/2021

Client Sample ID: SGC-042221-PH-05

Prep Type: Total/NA

Prep Type: Total/NA

Lab Chronicle

Client: Fulcrum Environmental Job ID: 590-15094-2

Project/Site: Kinney Sundance/192860.03

Date Collected: 05/07/21 15:11

Matrix: Solid
Para Received: 05/07/21 16:46

Date Received: 05/07/21 16:46 Percent Solids: 93.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			1.22 g	50 mL	538600	06/04/21 11:43	QJB	TAL DEN
Total/NA	Analysis	7196A		1	5 mL	5 mL	538913	06/07/21 16:17	QJB	TAL DEN

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

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Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

Job ID: 590-15094-2

Laboratory: Eurofins TestAmerica, Denver

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	2907.01	10-31-21
A2LA	ISO/IEC 17025	2907.01	10-31-21
Alabama	State Program	40730	09-30-12 *
Alaska (UST)	State	18-001	02-28-22
Arizona	State	AZ0713	12-21-21
Arkansas DEQ	State	19-047-0	06-01-21 *
California	State	2513	01-08-22
Connecticut	State	PH-0686	11-30-22
Florida	NELAP	E87667-57	07-01-21
Georgia	State	4025-011	01-08-22
Illinois	NELAP	2000172019-1	04-30-21 *
lowa	State	IA#370	12-02-21
Kansas	NELAP	E-10166	04-30-22
Kentucky (WW)	State	KY98047	12-31-21
Louisiana	NELAP	30785	06-30-14 *
Louisiana	NELAP	30785	06-30-21
Minnesota	NELAP	1788752	12-31-21
Nevada	State	CO000262020-1	07-31-21
New Hampshire	NELAP	205319	04-29-22
New Jersey	NELAP	190002	06-30-21
New York	NELAP	59923	04-01-22
North Carolina (WW/SW)	State	358	12-31-21
North Dakota	State	R-034	01-08-22
Oklahoma	State	2018-006	09-01-21
Oregon	NELAP	4025-011	01-08-22
Pennsylvania	NELAP	013	07-31-21
South Carolina	State	72002001	01-08-22
Texas	NELAP	TX104704183-08-TX	09-30-09 *
Texas	NELAP	T104704183-20-18	09-30-21
US Fish & Wildlife	US Federal Programs	058448	08-01-21
USDA	US Federal Programs	P330-20-00065	03-06-23
Utah	NELAP	QUAN5	06-30-13 *
Utah	NELAP	CO000262019-11	07-31-21
Virginia	NELAP	10490	06-14-21
Washington	State	C583-19	08-03-21
West Virginia DEP	State	354	11-30-21
Wisconsin	State	999615430	08-31-21
Wyoming (UST)	A2LA	2907.01	10-31-21

6/8/2021

Eurofins TestAmerica, Spokane

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 $^{^{\}star}\,\text{Accreditation/Certification renewal pending - accreditation/certification considered valid}.$

Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance/192860.03

MethodMethod DescriptionProtocolLaboratory7196AChromium, HexavalentSW846TAL DEN3060AAlkaline Digestion (Chromium, Hexavalent)SW846TAL DEN

Protocol References:

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

Laboratory References:

TAL DEN = Eurofins TestAmerica, Denver, 4955 Yarrow Street, Arvada, CO 80002, TEL (303)736-0100

Job ID: 590-15094-2

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P 0 # Special Instructions/QC Requirements & Comments: Project Name: Kinney Sun Oance Spokane, WA 99201 Fulcrum Environmental Consulting, Inc. Relinquished by: Relinquished by: Relinquished by: Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B (509) 459-9220 207 West Boone Avenue (509) 459-9219 SGC-042221-PH-01 192860.03 Sample Identification Client Contact Phone 105 404 703 06 707 Company: Tel/Fax: 1448 Project Manager: Stoff (510 05)
TeUFax: Son-459-9220 Company: Sample Date Calendar (C) or Work Days (W) Poison B TAT if different from Below Analysis Turnaround Time 28. HI 1440 Sample Time 15SH 1528 2 days 1 week 2 weeks 1 day Sample Type Unknown Date/Time:
5/7/2
Date/Time: Date/Time: Matrix Chain of Custody Record # of IT GEOSTOPE Site Contact: SCOH GOOD Received by: Received by:
NOWELLY OF U Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Montl The Pesticider layEAA 8151A Received by: etals 6020, 590-15094 Chain of Custody Disposal By Lab Date: 5 Carrier: Company: Company: Company Date/Time; Job No. TestAmerica Laboratories, Inc. SDG No. Date/Time: Date/Time: Sample Specific Notes: Months 16:40 COCs Page 11 of 13

Client: Fulcrum Environmental

Job Number: 590-15094-2

Login Number: 15094

List Number: 1

Creator: O'Toole, Maria C

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	Not requested on COC.
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 66mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Client: Fulcrum Environmental

List Source: Eurofins TestAmerica, Denver

List Creation: 05/11/21 01:23 PM

Job Number: 590-15094-2

Login Number: 15094 List Number: 2

Creator: Dubicki, Adam L

Creator: Dubicki, Adam L		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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?	N/A	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15039-1

Client Project/Site: Kinneg Sun Dance/192860.03

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 5/4/2021 7:15:31 AM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Fulcrum Environmental Project/Site: Kinneg Sun Dance/192860.03 Laboratory Job ID: 590-15039-1

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinneg Sun Dance/192860.03

Job ID: 590-15039-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 4/29/2021 2:44 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.5° C.

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

General Chemistry

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

Job ID: 590-15039-1

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinneg Sun Dance/192860.03

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15039-1	SGC-042921-74-2.0	Solid	04/29/21 08:32	04/29/21 14:44	
590-15039-2	SGC-042921-75-2.0	Solid	04/29/21 08:34	04/29/21 14:44	
590-15039-3	SGC-042921-76-2.0	Solid	04/29/21 08:36	04/29/21 14:44	
590-15039-4	SGC-042921-403-2.0	Solid	04/29/21 08:40	04/29/21 14:44	

Job ID: 590-15039-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15039-1

Project/Site: Kinneg Sun Dance/192860.03

Glossary

DL

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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
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor

DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

Detection Limit (DoD/DOE)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive 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)

TNTC Too Numerous To Count

Client Sample Results

Client: Fulcrum Environmental Job ID: 590-15039-1

Project/Site: Kinneg Sun Dance/192860.03

Client Sample ID: SGC-042921-74-2.0 Lab Sample ID: 590-15039-1

Date Collected: 04/29/21 08:32 East Sample 1B: 530-15053-1

Date Received: 04/29/21 14:44 Percent Solids: 89.5

Method: 7471A - Mercury (CVAA)
Analyte Result Qualifier RL MDL Unit

Client Sample ID: SGC-042921-75-2.0 Lab Sample ID: 590-15039-2

Date Collected: 04/29/21 08:34

Matrix: Solid

Date Received: 04/29/21 14:44 Percent Solids: 81.4

Method: 7471A - Mercury (CVAA)

 Analyte
 Result Mercury
 Qualifier ND
 RL Value
 MDL Value
 Unit Value
 D Value
 Prepared Value
 Analyzed Value
 Dil Fac Value

 Mercury
 ND
 29
 vg/Kg
 vg/Kg
 04/30/21 12:33
 04/30/21 16:49
 1

Client Sample ID: SGC-042921-76-2.0 Lab Sample ID: 590-15039-3

Date Collected: 04/29/21 08:36 Matrix: Solid

Date Received: 04/29/21 14:44 Percent Solids: 78.6

Method: 7471A - Mercury (CVAA)

 Analyte
 Result Morcury
 Qualifier
 RL ND
 MDL unit ug/Kg
 D value wg/Kg
 Prepared prepared of 04/30/21 12:33 04/30/21 16:51
 Analyzed Dil Fac of 18 of 1

Client Sample ID: SGC-042921-403-2.0 Lab Sample ID: 590-15039-4

Date Collected: 04/29/21 08:40

Matrix: Solid
Date Received: 04/29/21 14:44

Percent Solids: 79.1

Method: 7471A - Mercury (CVAA)

 Analyte
 Result Mercury
 Qualifier
 RL ND
 MDL unit ug/Kg
 D 04/30/21 12:33
 Prepared Analyzed Analyzed 04/30/21 16:53
 Dil Fac 04/30/21 16:53

5/4/2021

Job ID: 590-15039-1

Prep Type: Total/NA

Prep Batch: 355525

Client: Fulcrum Environmental

Project/Site: Kinneg Sun Dance/192860.03

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 580-355525/22-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 355607

MB MB Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared Mercury 30 04/30/21 12:33 04/30/21 16:04 ND ug/Kg

Lab Sample ID: LCS 580-355525/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 355525 Analysis Batch: 355607** Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits 167 174 104 80 - 120 Mercury ug/Kg

Lab Sample ID: LCSD 580-355525/24-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 355607 Prep Batch: 355525**

Spike LCSD LCSD %Rec. **RPD** Limits Analyte Added Result Qualifier **RPD** Limit Unit %Rec Mercury 167 185 80 - 120 ug/Kg

Lab Sample ID: 590-15039-1 MS Client Sample ID: SGC-042921-74-2.0 Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 355607 Prep Batch: 355525 Spike MS MS %Rec. Sample Sample

Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits

 $\overline{\mathsf{ND}}$ 133 160 80 - 120 Mercury ug/Kg

Sample Sample

Lab Sample ID: 590-15039-1 MSD

Matrix: Solid

Analysis Batch: 355607 Prep Batch: 355525 MSD MSD Sample Sample Spike %Rec. **RPD** Analyte Result Qualifier Added Result Qualifier Limits RPD Unit %Rec Limit ND 130 152 111 80 - 120 Mercury ug/Kg

Lab Sample ID: 590-15039-1 DU

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 355607 Prep Batch: 355525**

Result Qualifier Result Qualifier **RPD** Limit Analyte Unit D ND NC Mercury ND ug/Kg 20

DU DU

5/4/2021

Client Sample ID: SGC-042921-74-2.0

Client Sample ID: SGC-042921-74-2.0

Prep Type: Total/NA

RPD

Job ID: 590-15039-1

Project/Site: Kinneg Sun Dance/192860.03

Client Sample ID: SGC-042921-74-2.0

Lab Sample ID: 590-15039-1

Date Collected: 04/29/21 08:32 **Matrix: Solid**

Date Received: 04/29/21 14:44

Client: Fulcrum Environmental

Batch Batch Dil Initial Batch Final Prepared Method Factor Number or Analyzed **Prep Type** Type Run Amount Amount Analyst Lab Total/NA Analysis 2540G 355615 05/03/21 10:02 ABP TAL SEA

Client Sample ID: SGC-042921-74-2.0

Lab Sample ID: 590-15039-1 Date Collected: 04/29/21 08:32 **Matrix: Solid** Date Received: 04/29/21 14:44 Percent Solids: 89.5

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8576 g	50 mL	355525	04/30/21 12:33	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355607	04/30/21 16:39	C1K	TAL SEA

Client Sample ID: SGC-042921-75-2.0

Lab Sample ID: 590-15039-2 Date Collected: 04/29/21 08:34 **Matrix: Solid**

Date Received: 04/29/21 14:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355615	05/03/21 10:02	ABP	TAL SEA

Client Sample ID: SGC-042921-75-2.0

Lab Sample ID: 590-15039-2 Date Collected: 04/29/21 08:34 **Matrix: Solid** Date Received: 04/29/21 14:44 Percent Solids: 81.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7664 g	50 mL	355525	04/30/21 12:33	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355607	04/30/21 16:49	C1K	TAL SEA

Client Sample ID: SGC-042921-76-2.0

Lab Sample ID: 590-15039-3 Date Collected: 04/29/21 08:36 **Matrix: Solid**

Date Received: 04/29/21 14:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1		-	355615	05/03/21 10:02	ABP	TAL SEA

Client Sample ID: SGC-042921-76-2.0 Lab Sample ID: 590-15039-3

Date Collected: 04/29/21 08:36 Matrix: Solid Date Received: 04/29/21 14:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8534 g	50 mL	355525	04/30/21 12:33	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355607	04/30/21 16:51	C1K	TAL SEA

Client Sample ID: SGC-042921-403-2.0

Lab Sample ID: 590-15039-4 Date Collected: 04/29/21 08:40 Matrix: Solid

Date Received: 04/29/21 14:44

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			355615	05/03/21 10:02	ABP	TAL SEA

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Percent Solids: 78.6

5/4/2021

Lab Chronicle

Client: Fulcrum Environmental Job ID: 590-15039-1

Project/Site: Kinneg Sun Dance/192860.03

Client Sample ID: SGC-042921-403-2.0 Lab Sample ID: 590-15039-4

Date Collected: 04/29/21 08:40

Matrix: Solid
Date Received: 04/29/21 14:44

Percent Solids: 79.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6503 g	50 mL	355525	04/30/21 12:33	JLS	TAL SEA
Total/NA	Analysis	7471A		1			355607	04/30/21 16:53	C1K	TAL SEA

Laboratory References:

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

5/4/2021

Eurofins TestAmerica, Spokane

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinneg Sun Dance/192860.03

Job ID: 590-15039-1

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-024	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	Dept. of Energy	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2954	06-30-21
Florida	NELAP	E87575	07-30-21
Kentucky (WW)	State	KY98042	12-31-21
Louisiana	NELAP	03073	06-30-21
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-21
New York	NELAP	11662	04-01-22
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-21
Wisconsin	State	399133460	08-31-21

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinneg Sun Dance/192860.03

Method **Method Description** Protocol Laboratory 7471A Mercury (CVAA) SW846 TAL SEA 2540G SM 2540G SM22 TAL SEA 7471A Preparation, Mercury SW846 TAL SEA

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Job ID: 590-15039-1

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		Chain	Chain of Custody Record		THE LEADER IN ENVIRONMENTAL TESTING
Client Contact	Project Manager	Groad S	Site Contact:	Date: 4/24/21	COC No:
Fulcrum Environmental Consulting, Inc.	Tel/Fax: +58-990	-5507		7	of COCs
207 West Boone Avenue	Analysis				Job No.
Spokane, WA 99201	Calendar (C) or Work Days (W)	W			
(509) 459-9220 Phone	TAT if different from Below				
	2 weeks				SDG No.
Project Name: King North Sun Dawe		oja-av			
Site:	2 days				
PO# 197X,0,0,0	l day				
			at the second	,	
Sample Identification	Date Time Type	Matrix Cont.	H •		Sample Specific Notes:
202-44-125HD-1450	3258	() () ()	Χ.		
- 5-2.0	1280	- -			
76-20	1 1280 /		X		15
- 403-2.0	1 WTX 1	7 1 7	X		2 0
					je 1:
				590-15039 Chain of Custody	Pag
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other	OH; 6= Other				
Possible Hazard Identification Non-Hazard Flammable Skin Irritant	Poison B Unknown		Sample Disposal (A fee may be	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Month	d longer than 1 month)
S S			,	1	
Relinquished by:	Company:	Date/Time:	Received by: MON CO TOD	Company:	Date/Time:
reinquisned by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		_			

Lemb: 1-8-24. 200

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record



💸 eurofins

Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290																				NONTO			
Client Information (Sub Contract Lab)	Sampler:				ib PM: rringto	n, Ran	dee E	E					Carri	er Trad	cking	No(s):				COC No: 590-5950.1	*		
Client Contact: Shipping/Receiving	Phone:				Mail: andee	.Arring	ton@	Euro	finse	t.com				of Ori				**********		Page: Page 1 of 1		**********	
Company: Eurofins Frontier Global Sciences LLC						reditatio ete Pro														Job#:			
Address:	Due Date Reques	ted:			+		g. v=			-										590-15039-1 Preservation Co	odes:		····
5755 8th Street East, City:	5/2/2021 TAT Requested (c	iavs):						1	<u> </u>	nalys	is	Req	ues	ted		į			S01-25-4	A - HCL	M - Hexa	ne	
Tacoma																		l		B - NaOH C - Zn Acetate	N - None O - AsNa		
State, Zip: WA, 98424																				D - Nitric Acid E - NaHSO4	P - Na2O Q - Na2S	4\$ 03	
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:																l			F - MeOH G - Amchior	R - Na2S: S - H2SO	4	
Émail:	WO #:		· · · · · · · · · · · · · · · · · · ·		왕		ĺ							ĺ	Ì					H - Ascorbic Acid I - Ice	T - TSP D U - Acetoi		rate
Project Name:	Project #:				- ≩ 	욁						Ì	ı						2	J - DI Water K - EDTA	V - MCAA W - pH 4-	\	
Kinneg Sun Dance	59001922					(Yes or Mercury	Ì								İ	İ				L - EDA	Z - other (
Site;	SSOW#:				冒	ا ا			•				1				ļ		\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Other:			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time		Matrix {wewater, Seacild, O=waste/oll, BF=tissue, A=A	Field Fiftersd Sa	Perform MS/MSD 7471A/7471A_Prep	Moisture												Total Number of	Special li	nstruction	s/Note:	
	<u> </u>	$\geq \leq$		tion Code:	N)	<u> </u>													X				
SGC-042921-74-2.0 (590-15039-1)	4/29/21	08:32 Pacific		Solid	11	X	Х											9	1				
SGC-042921-75-2.0 (590-15039-2)	4/29/21	08:34 Pacific		Solid	11	X	х			1	7	1	1	7	7			1	1				\dashv
SGC-042921-76-2.0 (590-15039-3)	4/29/21	08:36 Pacific		Solid		×	х				1	1	7	1	1				7				
SGC-042921-403-2.0 (590-15039-4)	4/29/21	08:40 Pacific		Solid	П	х	х						1		1		7		1			• •	
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ote: Since laboratory accreditations are subject to change, Eurofins TestAmerica iaintain accreditation in the State of Origin listed above for analysis/tests/matrix br estAmerica attention immediately. If all requested accreditations are current to da	ing analyzeo, ine sa	imbies must be	Shinned back	to the Eurotin	C Lecta	menca l	sharate	OB/ OF /	that is	ries. Th	nis sa ons w	mple s	shipm provid	nent is led. A	forwa ny ch	rded u anges	under to acc	chain- credita	of-cu	istody. If the labora status should be br	itory does no ought to Euro	ot currently ofins	
Possible Hazard Identification			***************************************		s	ample	Disp	osal	(Af	ee ma	y be	ass	esse	ed if	sam	ples	are i	retai	ned	longer than 1	month)		
Inconfirmed						\square_R	eturn	To C	lient					al By				7		e For	Months	s	
eliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	ible Rank: 2			S	pecial					iren								•				一
mpty Kit Relinquished by:		Date:			Time	: /	<u> </u>						М	ethod	of Sh	ipmen	t:						_
elinguished by: MaiuCool elinguished by:	Date/Time: 1/2/g/7/ Date/Time	15:0	20 [ompany A 1/ company	20	Rede		1					·····		D	ate/]in	30 J	21		0940	Company EF 6	ς	
	Date/Time:						ved by	,							D.	ertes i in	ne:			*****	Company		
	- G-50 1 H (G)			company		Recei	ved by	/:							D.	ate/Tin	ne:				Company		
Custody Seals Intact: Custody Seal No.: A Yes A No			Marking.			Coole	Tem	peratur	e(s) °(and O	ther I	Remar	ks:			NA							

Ver: 11/01

5/4/202

Client: Fulcrum Environmental

Job Number: 590-15039-1

Login Number: 15039 List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
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	No analysis requiring residual chlorine check assigned.

Client: Fulcrum Environmental Job Number: 590-15039-1

Login Number: 15039
List Source: Eurofins TestAmerica, Seattle
List Number: 2
List Creation: 04/30/21 12:31 PM

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	0.3°C
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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15446-1

Client Project/Site: Kinney Sundance General Consulting

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 7/16/2021 2:13:49 PM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance General Consulting

Job ID: 590-15446-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 7/8/2021 4:15 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

GC Semi VOA

Method 8081B: Surrogate recovery was outside acceptance limits for the following matrix spike duplicate (MSD) sample: SGC-070721-PH-07 (590-15446-1). The parent sample's surrogate recovery was within limits. The MSD sample has been qualified and reported.

Method 8081B: The continuing calibration verification (CCV) associated with batch 410-147579 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-070721-PH-07 (590-15446-1), SGC-070721-PH-08 (590-15446-2), SGC-070721-PH-10 (590-15446-4), SGC-070721-PH-11 (590-15446-5), SGC-070721-PH-12 (590-15446-6), SGC-070721-PH-13 (590-15446-7), SGC-070721-PH-16 (590-15446-10), SGC-070721-PH-17 (590-15446-11), SGC-070721-PH-18 (590-15446-12), SGC-070721-PH-19 (590-15446-13), SGC-070721-PH-20 (590-15446-14), SGC-070721-PH-21 (590-15446-15), SGC-070721-PH-23 (590-15446-17), SGC-070721-PH-31 (590-15446-25) and SGC-070721-PH-32 (590-15446-26).

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SGC-070721-PH-07 (590-15446-1). SGC-070721-PH-08 (590-15446-2), SGC-070721-PH-10 (590-15446-4), SGC-070721-PH-11 (590-15446-5), SGC-070721-PH-12 (590-15446-6), SGC-070721-PH-13 (590-15446-7), SGC-070721-PH-16 (590-15446-10), SGC-070721-PH-17 (590-15446-11), SGC-070721-PH-18 (590-15446-12), SGC-070721-PH-19 (590-15446-13), SGC-070721-PH-20 (590-15446-14), SGC-070721-PH-21 (590-15446-15), SGC-070721-PH-23 (590-15446-17), SGC-070721-PH-31 (590-15446-25) and SGC-070721-PH-32 (590-15446-26). Elevated reporting limits (RLs) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 410-148118 recovered above the upper control limit for Toxaphene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: SGC-070721-PH-09 (590-15446-3), SGC-070721-PH-14 (590-15446-8), SGC-070721-PH-15 (590-15446-9) and SGC-070721-PH-24 (590-15446-18).

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SGC-070721-PH-09 (590-15446-3), SGC-070721-PH-14 (590-15446-8), SGC-070721-PH-15 (590-15446-9) and SGC-070721-PH-24 (590-15446-18). Elevated reporting limits (RLs) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 410-148120 recovered outside acceptance criteria, low biased, for Endosulfan sulfate and 4,4'-DDT. The associated samples were non-detect for this analyte, the data have been reported.

Method 8081B: The following samples were diluted due to the nature of the sample matrix: SGC-070721-PH-25 (590-15446-19), SGC-070721-PH-26 (590-15446-20), SGC-070721-PH-27 (590-15446-21), SGC-070721-PH-28 (590-15446-22), SGC-070721-PH-29 (590-15446-23) and SGC-070721-PH-30 (590-15446-24). Elevated reporting limits (RLs) are provided.

Method 8081B: The following sample required a dilution due to the nature of the sample matrix: SGC-070721-PH-22 (590-15446-16). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8081B: The following sample was diluted due to the nature of the sample matrix: SGC-070721-PH-22 (590-15446-16). Elevated reporting limits (RLs) are provided.

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

Metals

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

Organic Prep

Job ID: 590-15446-1

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundance General Consulting

Job ID: 590-15446-1

Job ID: 590-15446-1 (Continued)

Laboratory: Eurofins TestAmerica, Spokane (Continued)

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

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Sample Summary

Client: Fulcrum Environmental

590-15446-25

590-15446-26

Project/Site: Kinney Sundance General Consulting

SGC-070721-PH-31

SGC-070721-PH-32

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15446-1	SGC-070721-PH-07	Solid	07/07/21 09:13	07/08/21 16:15	
590-15446-2	SGC-070721-PH-08	Solid	07/07/21 09:25	07/08/21 16:15	
590-15446-3	SGC-070721-PH-09	Solid	07/07/21 09:33	07/08/21 16:15	
590-15446-4	SGC-070721-PH-10	Solid	07/07/21 09:45	07/08/21 16:15	
590-15446-5	SGC-070721-PH-11	Solid	07/07/21 09:52	07/08/21 16:15	
590-15446-6	SGC-070721-PH-12	Solid	07/07/21 10:14	07/08/21 16:15	
590-15446-7	SGC-070721-PH-13	Solid	07/07/21 10:18	07/08/21 16:15	
590-15446-8	SGC-070721-PH-14	Solid	07/07/21 10:33	07/08/21 16:15	
590-15446-9	SGC-070721-PH-15	Solid	07/07/21 10:45	07/08/21 16:15	
590-15446-10	SGC-070721-PH-16	Solid	07/07/21 10:46	07/08/21 16:15	
590-15446-11	SGC-070721-PH-17	Solid	07/07/21 10:52	07/08/21 16:15	
590-15446-12	SGC-070721-PH-18	Solid	07/07/21 10:59	07/08/21 16:15	
590-15446-13	SGC-070721-PH-19	Solid	07/07/21 11:03	07/08/21 16:15	
590-15446-14	SGC-070721-PH-20	Solid	07/07/21 11:15	07/08/21 16:15	
590-15446-15	SGC-070721-PH-21	Solid	07/07/21 11:21	07/08/21 16:15	
590-15446-16	SGC-070721-PH-22	Solid	07/07/21 11:25	07/08/21 16:15	
590-15446-17	SGC-070721-PH-23	Solid	07/07/21 11:28	07/08/21 16:15	
590-15446-18	SGC-070721-PH-24	Solid	07/07/21 11:34	07/08/21 16:15	
590-15446-19	SGC-070721-PH-25	Solid	07/07/21 11:39	07/08/21 16:15	
590-15446-20	SGC-070721-PH-26	Solid	07/07/21 12:02	07/08/21 16:15	
590-15446-21	SGC-070721-PH-27	Solid	07/07/21 12:14	07/08/21 16:15	
590-15446-22	SGC-070721-PH-28	Solid	07/07/21 12:15	07/08/21 16:15	
590-15446-23	SGC-070721-PH-29	Solid	07/07/21 12:30	07/08/21 16:15	
590-15446-24	SGC-070721-PH-30	Solid	07/07/21 12:31	07/08/21 16:15	

Solid

Solid

07/07/21 13:03 07/08/21 16:15

07/07/21 13:15 07/08/21 16:15

Job ID: 590-15446-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Qualifiers

Qualifier

GC Semi VOA

F1 MS and/or MSD recovery exceeds control limits.

Qualifier Description F2 MS/MSD RPD exceeds control limits

р The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery 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 CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DΙ 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)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MI Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

TNTC Too Numerous To Count

Eurofins TestAmerica, Spokane

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-07

Lab Sample ID: 590-15446-1 Date Collected: 07/07/21 09:13 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 96.4

Method: 8081B - Organochlorine Pesticides (GC) Result Qualifier RL **MDL** Unit D Dil Fac Analyte Prepared Analyzed 4,4'-DDD F1 8.8 07/12/21 16:10 07/13/21 10:26 ND ug/Kg 5 4,4'-DDE ND F1 8.8 07/12/21 16:10 07/13/21 10:26 5 ug/Kg 4,4'-DDT ND F2 F1 8.8 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 Aldrin ND F1 4.3 07/12/21 16:10 07/13/21 10:26 5 ug/Kg alpha-BHC ND F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 beta-BHC ND F1 5 5.2 ug/Kg 07/12/21 16:10 07/13/21 10:26 cis-Chlordane ND F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 delta-BHC ND F1 5.2 07/12/21 16:10 07/13/21 10:26 5 ug/Kg 5 Dieldrin ND F1 8.8 ug/Kg 07/12/21 16:10 07/13/21 10:26 Endosulfan I ND F2 F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 5 Endosulfan II ND F1 12 ug/Kg 07/12/21 16:10 07/13/21 10:26 Endosulfan sulfate ND F1 8.8 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 5 **Endrin** ND F1 8.8 ug/Kg 07/12/21 16:10 07/13/21 10:26 Endrin aldehyde ND F2 F1 8.8 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 5 Endrin ketone ND F2F1 10 07/12/21 16:10 07/13/21 10:26 ug/Kg gamma-BHC (Lindane) 4.3 07/12/21 16:10 07/13/21 10:26 5 ND F1 ug/Kg 5 Heptachlor ND F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 Heptachlor epoxide ND F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 07/12/21 16:10 07/13/21 10:26 5 Methoxychlor ND F2 F1 35 ug/Kg Toxaphene ND 170 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 trans-Chlordane ND F1 4.3 ug/Kg 07/12/21 16:10 07/13/21 10:26 5 %Recovery Dil Fac Surrogate Qualifier I imits Prepared Analyzed 07/12/21 16:10 07/13/21 10:26 Tetrachloro-m-xylene 89 19 - 136 84 19 - 136 07/12/21 16:10 07/13/21 10:26 5 Tetrachloro-m-xylene DCB Decachlorobiphenyl (Surr) 5 114 46 - 152 07/12/21 16:10 07/13/21 10:26 DCB Decachlorobiphenyl (Surr) 99 46 - 152 07/12/21 16:10 07/13/21 10:26 5 Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Dil Fac Analyzed 07/12/21 05:02 07/12/21 18:50 Mercury ND 0.062 mg/Kg

Client Sample ID: SGC-070721-PH-08 Lab Sample ID: 590-15446-2

Date Collected: 07/07/21 09:25 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 96.5

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	440		ug/Kg	☆	07/12/21 16:10	07/13/21 10:46	250
4,4'-DDE	ND	440		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
4,4'-DDT	ND	440		ug/Kg	☼	07/12/21 16:10	07/13/21 10:46	250
Aldrin	ND	210		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
alpha-BHC	ND	210		ug/Kg	☼	07/12/21 16:10	07/13/21 10:46	250
beta-BHC	ND	260		ug/Kg	☼	07/12/21 16:10	07/13/21 10:46	250
cis-Chlordane	710	210		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
delta-BHC	ND	260		ug/Kg	☼	07/12/21 16:10	07/13/21 10:46	250
Dieldrin	ND	440		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Endosulfan I	ND	210		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Endosulfan II	ND	600		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Endosulfan sulfate	ND	440		ug/Kg	☆	07/12/21 16:10	07/13/21 10:46	250

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Page 7 of 51 7/16/2021 Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-08

Lab Sample ID: 590-15446-2 Date Collected: 07/07/21 09:25 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 96.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		440		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 10:46	250
Endrin aldehyde	ND		440		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Endrin ketone	ND		520		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
gamma-BHC (Lindane)	ND		210		ug/Kg	₽	07/12/21 16:10	07/13/21 10:46	250
Heptachlor	ND		210		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Heptachlor epoxide	ND		210		ug/Kg	☼	07/12/21 16:10	07/13/21 10:46	250
Methoxychlor	ND		1700		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Toxaphene	ND		8500		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
trans-Chlordane	690		210		ug/Kg	₩	07/12/21 16:10	07/13/21 10:46	250
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		19 - 136				07/12/21 16:10	07/13/21 10:46	250
Tetrachloro-m-xylene	118		19 - 136				07/12/21 16:10	07/13/21 10:46	250
DCB Decachlorobiphenyl (Surr)	185	S1+	46 - 152				07/12/21 16:10	07/13/21 10:46	250
DCB Decachlorobiphenyl (Surr)	136		46 - 152				07/12/21 16:10	07/13/21 10:46	250

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Mercury 1.5 mg/Kg 16

Client Sample ID: SGC-070721-PH-09

Lab Sample ID: 590-15446-3 Date Collected: 07/07/21 09:33 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 97.4

Analyte	Result Qua	alifier RL	MDL Un	nit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	43	ug/	/Kg	☆	07/12/21 16:10	07/14/21 09:54	25
4,4'-DDE	ND	43	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
4,4'-DDT	ND	43	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Aldrin	ND	21	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
alpha-BHC	ND	21	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
beta-BHC	ND	25	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
cis-Chlordane	ND	21	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
delta-BHC	ND	25	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Dieldrin	ND	43	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Endosulfan I	ND	21	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Endosulfan II	ND	58	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Endosulfan sulfate	ND	43	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Endrin	ND	43	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Endrin aldehyde	ND	43	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Endrin ketone	ND	51	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
gamma-BHC (Lindane)	ND	21	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Heptachlor	ND	21	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Heptachlor epoxide	ND	21	ug/	/Kg	☼	07/12/21 16:10	07/14/21 09:54	25
Methoxychlor	ND	170	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
Toxaphene	ND	840	ug/	/Kg	≎	07/12/21 16:10	07/14/21 09:54	25
trans-Chlordane	ND	21	ug/	/Kg	₩	07/12/21 16:10	07/14/21 09:54	25
Surrogate	%Recovery Qua	alifier Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96	19 - 136				07/12/21 16:10	07/14/21 09:54	25
Tetrachloro-m-xylene	80	19 - 136				07/12/21 16:10	07/14/21 09:54	25

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Client Sample Results

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-09

Date Collected: 07/07/21 09:33 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-3

Lab Sample ID: 590-15446-4

Matrix: Solid

Percent Solids: 97.4

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	158	S1+	46 - 152	07/12/21 16:10	07/14/21 09:54	25
DCB Decachlorobiphenyl (Surr)	131		46 - 152	07/12/21 16:10	07/14/21 09:54	25

Method: 7471B - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.058	mg/Kg	j ÿ	07/12/21 05:02	07/12/21 18:52	1

Client Sample ID: SGC-070721-PH-10

 Date Collected: 07/07/21 09:45
 Matrix: Solid

 Date Received: 07/08/21 16:15
 Percent Solids: 97.0

Method: 8081B - Organochlorine Pesticides (GC) RL **MDL** Unit **Analyte** Result Qualifier D Prepared Analyzed Dil Fac 4,4'-DDD ND 170 07/12/21 16:10 07/13/21 11:26 ug/Kg 100 4,4'-DDE ND 170 07/12/21 16:10 07/13/21 11:26 ug/Kg 100 4.4'-DDT ND 170 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Aldrin ND 85 07/12/21 16:10 07/13/21 11:26 ug/Kg 100 alpha-BHC ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 beta-BHC ND 100 07/12/21 16:10 07/13/21 11:26 100 ug/Kg cis-Chlordane ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 delta-BHC ND 100 07/12/21 16:10 07/13/21 11:26 100 ug/Kg Dieldrin ND 170 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Endosulfan I ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Endosulfan II ND 07/12/21 16:10 07/13/21 11:26 240 ug/Kg 100 Endosulfan sulfate 170 07/12/21 16:10 07/13/21 11:26 ND ug/Kg 100 Endrin ND 170 07/12/21 16:10 07/13/21 11:26 100 ug/Kg Endrin aldehyde ND 170 07/12/21 16:10 07/13/21 11:26 100 ug/Kg ND 210 07/12/21 16:10 07/13/21 11:26 100 Endrin ketone ug/Kg gamma-BHC (Lindane) ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Heptachlor ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Heptachlor epoxide ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Methoxychlor ND 690 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Toxaphene ND 3400 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 trans-Chlordane ND 85 ug/Kg 07/12/21 16:10 07/13/21 11:26 100 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Tetrachloro-m-xylene 96 19 - 136 07/12/21 16:10 07/13/21 11:26 100 Tetrachloro-m-xylene 87 19 - 136 07/12/21 16:10 07/13/21 11:26 100 155 46 - 152 07/12/21 16:10 07/13/21 11:26 100 DCB Decachlorobiphenyl (Surr) S1+ DCB Decachlorobiphenyl (Surr) 112 46 - 152 07/12/21 16:10 07/13/21 11:26 100 Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 07/12/21 05:02 07/12/21 18:28 0.062 0.14 F1 mg/Kg Mercury

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-11

Date Collected: 07/07/21 09:52 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-5

Matrix: Solid

Percent Solids: 97.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.5		ug/Kg	— <u>~</u>	07/12/21 16:10	07/13/21 11:46	5
4,4'-DDE	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
4,4'-DDT	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Aldrin	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
alpha-BHC	ND		4.2		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
beta-BHC	ND		5.0		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
cis-Chlordane	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
delta-BHC	ND		5.0		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
Dieldrin	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Endosulfan I	ND		4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 11:46	5
Endosulfan II	ND		12		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Endosulfan sulfate	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Endrin	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Endrin aldehyde	ND		8.5		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Endrin ketone	ND		10		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
gamma-BHC (Lindane)	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Heptachlor	ND		4.2		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
Heptachlor epoxide	ND		4.2		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
Methoxychlor	ND		34		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Toxaphene	ND		170		ug/Kg	☼	07/12/21 16:10	07/13/21 11:46	5
trans-Chlordane	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 11:46	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	57		19 - 136				07/12/21 16:10	07/13/21 11:46	5
Tetrachloro-m-xylene	53		19 - 136				07/12/21 16:10	07/13/21 11:46	5
DCB Decachlorobiphenyl (Surr)	78		46 - 152				07/12/21 16:10	07/13/21 11:46	5
DCB Decachlorobiphenyl (Surr)	70		46 - 152				07/12/21 16:10	07/13/21 11:46	5

Client Sample ID: SGC-070721-PH-12

Date Collected: 07/07/21 10:14 Date Received: 07/08/21 16:15

Analyte

Mercury

Lab Sample ID: 590-15446-6

Analyzed

Prepared

Matrix: Solid Percent Solids: 97.3

Dil Fac

Result Qualifier

ND

Method: 8081B - Organo	chlorine Pesticides (GC)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	8.6		ug/Kg	☆	07/12/21 16:10	07/13/21 12:06	5
4,4'-DDE	ND	8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
4,4'-DDT	ND	8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Aldrin	ND	4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:06	5
alpha-BHC	ND	4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:06	5
beta-BHC	ND	5.1		ug/Kg	₽	07/12/21 16:10	07/13/21 12:06	5
cis-Chlordane	ND	4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
delta-BHC	ND	5.1		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Dieldrin	ND	8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Endosulfan I	ND	4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Endosulfan II	ND	12		ug/Kg	₽	07/12/21 16:10	07/13/21 12:06	5
Endosulfan sulfate	ND	8.6		ug/Kg	≎	07/12/21 16:10	07/13/21 12:06	5

RL

0.058

MDL Unit

mg/Kg

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-12

Date Collected: 07/07/21 10:14 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-6

Matrix: Solid

Percent Solids: 97.3

Job ID: 590-15446-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		8.6		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 12:06	5
Endrin aldehyde	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Endrin ketone	ND		10		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
gamma-BHC (Lindane)	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Heptachlor	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Heptachlor epoxide	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Methoxychlor	ND		34		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
Toxaphene	ND		170		ug/Kg	₩	07/12/21 16:10	07/13/21 12:06	5
trans-Chlordane	ND		4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:06	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		19 - 136				07/12/21 16:10	07/13/21 12:06	5
Tetrachloro-m-xylene	70		19 - 136				07/12/21 16:10	07/13/21 12:06	5
DCB Decachlorobiphenyl (Surr)	94		46 - 152				07/12/21 16:10	07/13/21 12:06	5
DCB Decachlorobiphenyl (Surr)	82		46 - 152				07/12/21 16:10	07/13/21 12:06	5

Method: 7471B - Mercury (CVAA	A)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.061	mg/k	(g ∵	07/12/21 05:02	07/12/21 19:40	1

Client Sample ID: SGC-070721-PH-13

Date Collected: 07/07/21 10:18 Date Received: 07/08/21 16:15

Tetrachloro-m-xylene

Lab Sample ID: 590-15446-7 **Matrix: Solid**

Percent Solids: 98.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:26	5
4,4'-DDE	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:26	5
4,4'-DDT	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 12:26	5
Aldrin	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:26	5
alpha-BHC	ND		4.2		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
beta-BHC	ND		5.1		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
cis-Chlordane	ND		4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
delta-BHC	ND		5.1		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
Dieldrin	ND		8.6		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
Endosulfan I	ND		4.2		ug/Kg	⊅	07/12/21 16:10	07/13/21 12:26	5
Endosulfan II	ND		12		ug/Kg	☼	07/12/21 16:10	07/13/21 12:26	5
Endosulfan sulfate	ND		8.6		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
Endrin	ND		8.6		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
Endrin aldehyde	ND		8.6		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
Endrin ketone	ND		10		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
gamma-BHC (Lindane)	ND		4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
Heptachlor	ND		4.2		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
Heptachlor epoxide	ND		4.2		ug/Kg	≎	07/12/21 16:10	07/13/21 12:26	5
Methoxychlor	ND		34		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
Toxaphene	ND		170		ug/Kg	₽	07/12/21 16:10	07/13/21 12:26	5
trans-Chlordane	ND		4.2		ug/Kg	₩	07/12/21 16:10	07/13/21 12:26	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	76		19 - 136				07/12/21 16:10	07/13/21 12:26	5

Eurofins TestAmerica, Spokane

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07/12/21 16:10 07/13/21 12:26

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Client Sample ID: SGC-070721-PH-13

Date Collected: 07/07/21 10:18 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-7

Matrix: Solid

Percent Solids: 98.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	94		46 - 152	07/12/21 16:10	07/13/21 12:26	5
DCB Decachlorobiphenyl (Surr)	79		46 - 152	07/12/21 16:10	07/13/21 12:26	5

Method: 7471B - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.058	mg/Kg	₩	07/12/21 05:02	07/12/21 19:00	1

Client Sample ID: SGC-070721-PH-14

Date Collected: 07/07/21 10:33

Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-8 **Matrix: Solid**

Percent Solids: 98.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		43		ug/Kg	<u></u>	07/12/21 16:10	07/14/21 10:14	25
4,4'-DDE	ND		43		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
4,4'-DDT	ND		43		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Aldrin	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
alpha-BHC	ND		21		ug/Kg	☼	07/12/21 16:10	07/14/21 10:14	25
beta-BHC	ND		25		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
cis-Chlordane	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
delta-BHC	ND		25		ug/Kg	☼	07/12/21 16:10	07/14/21 10:14	25
Dieldrin	ND		43		ug/Kg	☼	07/12/21 16:10	07/14/21 10:14	25
Endosulfan I	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Endosulfan II	ND		58		ug/Kg	☼	07/12/21 16:10	07/14/21 10:14	25
Endosulfan sulfate	ND		43		ug/Kg	≎	07/12/21 16:10	07/14/21 10:14	25
Endrin	ND		43		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Endrin aldehyde	ND		43		ug/Kg	≎	07/12/21 16:10	07/14/21 10:14	25
Endrin ketone	ND		50		ug/Kg	≎	07/12/21 16:10	07/14/21 10:14	25
gamma-BHC (Lindane)	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Heptachlor	ND		21		ug/Kg	☼	07/12/21 16:10	07/14/21 10:14	25
Heptachlor epoxide	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Methoxychlor	ND		170		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Toxaphene	ND		830		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
trans-Chlordane	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:14	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		19 - 136				07/12/21 16:10	07/14/21 10:14	25
Tetrachloro-m-xylene	85		19 - 136				07/12/21 16:10	07/14/21 10:14	25
DCB Decachlorobiphenyl (Surr)	132		46 - 152				07/12/21 16:10	07/14/21 10:14	25
DCB Decachlorobiphenyl (Surr)	123		46 - 152				07/12/21 16:10	07/14/21 10:14	25
_ Method: 7471B - Mercury (C	CVAA)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.057	mg/Kg	— <u></u>	07/12/21 05:02	07/12/21 19:53	1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-15

Date Collected: 07/07/21 10:45 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-9

Matrix: Solid

Percent Solids: 96.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		44		ug/Kg	-	07/12/21 16:10	07/14/21 10:34	25
4,4'-DDE	ND		44		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
4,4'-DDT	ND		44		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Aldrin	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:34	25
alpha-BHC	ND		21		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
beta-BHC	ND		26		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
cis-Chlordane	ND		21		ug/Kg	≎	07/12/21 16:10	07/14/21 10:34	25
delta-BHC	ND		26		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Dieldrin	ND		44		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
Endosulfan I	ND		21		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Endosulfan II	ND		59		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Endosulfan sulfate	ND		44		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
Endrin	ND		44		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Endrin aldehyde	ND		44		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Endrin ketone	ND		52		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
gamma-BHC (Lindane)	ND		21		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Heptachlor	ND		21		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
Heptachlor epoxide	ND		21		ug/Kg	☼	07/12/21 16:10	07/14/21 10:34	25
Methoxychlor	ND		170		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
Toxaphene	ND		850		ug/Kg	₽	07/12/21 16:10	07/14/21 10:34	25
trans-Chlordane	ND		21		ug/Kg	₩	07/12/21 16:10	07/14/21 10:34	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	98		19 - 136				07/12/21 16:10	07/14/21 10:34	25
Tetrachloro-m-xylene	85		19 - 136				07/12/21 16:10	07/14/21 10:34	25
DCB Decachlorobiphenyl (Surr)	130		46 - 152				07/12/21 16:10	07/14/21 10:34	25
DCB Decachlorobiphenyl (Surr)	115		46 - 152				07/12/21 16:10	07/14/21 10:34	25

 Mercury
 ND
 0.059
 mg/Kg
 © 07/12/21 05:02
 07/12/21 19:02

 Client Sample ID: SGC-070721-PH-16
 Lab Sample ID: 590-154

Result Qualifier

Date Collected: 07/07/21 10:46 Date Received: 07/08/21 16:15

Analyte

Lab Sample ID: 590-15446-10

Matrix: Solid
Percent Solids: 98.2

Analyzed

Dil Fac

Prepared

Analyte	Result Qualifier	RL	MDL Ur	nit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	17	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
4,4'-DDE	ND	17	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
4,4'-DDT	ND	17	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
Aldrin	ND	8.4	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
alpha-BHC	ND	8.4	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
beta-BHC	ND	10	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
cis-Chlordane	ND	8.4	ug	g/Kg	☼	07/12/21 16:10	07/13/21 13:26	10
delta-BHC	ND	10	ug	g/Kg	≎	07/12/21 16:10	07/13/21 13:26	10
Dieldrin	ND	17	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10
Endosulfan I	ND	8.4	ug	g/Kg	☼	07/12/21 16:10	07/13/21 13:26	10
Endosulfan II	ND	23	ug	g/Kg	≎	07/12/21 16:10	07/13/21 13:26	10
Endosulfan sulfate	ND	17	ug	g/Kg	☆	07/12/21 16:10	07/13/21 13:26	10

RL

MDL Unit

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-16

Date Collected: 07/07/21 10:46 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-10

Matrix: Solid

Job ID: 590-15446-1

Percent Solids: 98.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		17		ug/Kg	-	07/12/21 16:10	07/13/21 13:26	10
Endrin aldehyde	ND		17		ug/Kg	₽	07/12/21 16:10	07/13/21 13:26	10
Endrin ketone	ND		20		ug/Kg	☼	07/12/21 16:10	07/13/21 13:26	10
gamma-BHC (Lindane)	ND		8.4		ug/Kg	⊅	07/12/21 16:10	07/13/21 13:26	10
Heptachlor	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 13:26	10
Heptachlor epoxide	ND		8.4		ug/Kg	₽	07/12/21 16:10	07/13/21 13:26	10
Methoxychlor	ND		68		ug/Kg	⊅	07/12/21 16:10	07/13/21 13:26	10
Toxaphene	ND		330		ug/Kg	₩	07/12/21 16:10	07/13/21 13:26	10
trans-Chlordane	ND		8.4		ug/Kg	☼	07/12/21 16:10	07/13/21 13:26	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89		19 - 136				07/12/21 16:10	07/13/21 13:26	10
Tetrachloro-m-xylene	82		19 - 136				07/12/21 16:10	07/13/21 13:26	10
DCB Decachlorobiphenyl (Surr)	118		46 - 152				07/12/21 16:10	07/13/21 13:26	10
DCB Decachlorobiphenyl (Surr)	105		46 - 152				07/12/21 16:10	07/13/21 13:26	10

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier MDL Unit RL Prepared Analyzed Dil Fac Mercury 0.059 mg/Kg

Client Sample ID: SGC-070721-PH-17

Date Collected: 07/07/21 10:52 Date Received: 07/08/21 16:15

Tetrachloro-m-xylene

Tetrachloro-m-xylene

Lab Sample ID: 590-15446-11

Percent Solids: 96.0

Analyte	Result Qual	ifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	88		ug/Kg	*	07/12/21 16:10	07/13/21 15:46	50
4,4'-DDE	ND	88		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
4,4'-DDT	ND	88		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Aldrin	ND	43		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
alpha-BHC	ND	43		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
beta-BHC	ND	52		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
cis-Chlordane	110	43		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
delta-BHC	ND	52		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Dieldrin	ND	88		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Endosulfan I	ND	43		ug/Kg	⊅	07/12/21 16:10	07/13/21 15:46	50
Endosulfan II	ND	120		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Endosulfan sulfate	ND	88		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Endrin	ND	88		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Endrin aldehyde	ND	88		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Endrin ketone	ND	100		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
gamma-BHC (Lindane)	ND	43		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Heptachlor	ND	43		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Heptachlor epoxide	ND	43		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Methoxychlor	ND	350		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
Toxaphene	ND	1700		ug/Kg	☼	07/12/21 16:10	07/13/21 15:46	50
trans-Chlordane	61	43		ug/Kg	₩	07/12/21 16:10	07/13/21 15:46	50
Surrogate	%Recovery Qual	lifier Limits				Prepared	Analyzed	Dil Fac

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07/12/21 16:10 07/13/21 15:46

07/12/21 16:10 07/13/21 15:46

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-17

Date Collected: 07/07/21 10:52 Date Received: 07/08/21 16:15 Percent Solids: 96.0

Lab Sample ID: 590-15446-11 Matrix: Solid

Lab Sample ID: 590-15446-12

Method: 8081B - Organochlorine Pesticides	(GC) (Continued)
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Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	180	S1+	46 - 152	07/12/21 16:10	07/13/21 15:46	50
DCB Decachlorobiphenyl (Surr)	137		46 - 152	07/12/21 16:10	07/13/21 15:46	50

Method: 7471B - Mercury (CVAA)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	6.2	1.5	mg/Kg	₩	07/12/21 05:02	07/12/21 19:38	25

Client Sample ID: SGC-070721-PH-18

Date Collected: 07/07/21 10:59 Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 99.0

Method: 8081B - Organochlorine Pesticides (GC) RL **MDL** Unit **Analyte** Result Qualifier D Prepared Analyzed Dil Fac 4,4'-DDD ND 34 07/12/21 16:10 07/13/21 16:06 20 ug/Kg 4.4'-DDE ND 34 07/12/21 16:10 07/13/21 16:06 ug/Kg 20 4.4'-DDT ND 34 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 Aldrin ND 17 07/12/21 16:10 07/13/21 16:06 20 ug/Kg alpha-BHC ND 17 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 beta-BHC ND 20 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 17 cis-Chlordane 44 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 delta-BHC ND 20 07/12/21 16:10 07/13/21 16:06 20 ug/Kg Dieldrin ND 34 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 Endosulfan I ND 17 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 ND Endosulfan II 46 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 Endosulfan sulfate ND 34 07/12/21 16:10 07/13/21 16:06 20 ug/Kg Endrin ND 34 07/12/21 16:10 07/13/21 16:06 20 ug/Kg Endrin aldehyde ND 34 07/12/21 16:10 07/13/21 16:06 20 ug/Kg ND 40 07/12/21 16:10 07/13/21 16:06 20 Endrin ketone ug/Kg gamma-BHC (Lindane) ND 17 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 Heptachlor ND 17 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 07/12/21 16:10 07/13/21 16:06 Heptachlor epoxide ND 17 ug/Kg 20 Methoxychlor ND 130 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 Toxaphene ND 660 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 28 17 ug/Kg 07/12/21 16:10 07/13/21 16:06 20 trans-Chlordane Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac Tetrachloro-m-xylene 87 19 - 136 07/12/21 16:10 07/13/21 16:06 20 Tetrachloro-m-xylene 78 19 - 136 07/12/21 16:10 07/13/21 16:06 20 131 46 - 152 07/12/21 16:10 07/13/21 16:06 20 DCB Decachlorobiphenyl (Surr) DCB Decachlorobiphenyl (Surr) 113 46 - 152 07/12/21 16:10 07/13/21 16:06 20 Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.057 07/12/21 05:02 07/12/21 19:45 Mercury 0.45 mg/Kg

Eurofins TestAmerica, Spokane

Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-19

Date Collected: 07/07/21 11:03 Date Received: 07/08/21 16:15

Client: Fulcrum Environmental

Lab Sample ID: 590-15446-13

Matrix: Solid

Percent Solids: 97.4

Analyte	Result	Qualifier	RL	MDL Un	nit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17	ug	/Kg	<u></u>	07/12/21 16:10	07/13/21 16:26	10
4,4'-DDE	ND		17	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
4,4'-DDT	ND		17	ug	/Kg	₩	07/12/21 16:10	07/13/21 16:26	10
Aldrin	ND		8.4	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
alpha-BHC	ND		8.4	ug	/Kg	₩	07/12/21 16:10	07/13/21 16:26	10
beta-BHC	ND		10	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
cis-Chlordane	ND		8.4	ug	/Kg	₩	07/12/21 16:10	07/13/21 16:26	10
delta-BHC	ND		10	ug	/Kg	₩	07/12/21 16:10	07/13/21 16:26	10
Dieldrin	ND		17	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endosulfan I	ND		8.4	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endosulfan II	ND		23	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endosulfan sulfate	ND		17	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endrin	ND		17	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endrin aldehyde	ND		17	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Endrin ketone	ND		20	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
gamma-BHC (Lindane)	ND		8.4	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Heptachlor	ND		8.4	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Heptachlor epoxide	ND		8.4	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
Methoxychlor	ND		68	ug	/Kg	☼	07/12/21 16:10	07/13/21 16:26	10
Toxaphene	ND		340	ug	/Kg	☆	07/12/21 16:10	07/13/21 16:26	10
trans-Chlordane	ND		8.4	ug	/Kg	₩	07/12/21 16:10	07/13/21 16:26	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	92		19 - 136				07/12/21 16:10	07/13/21 16:26	10
Tetrachloro-m-xylene	83		19 - 136				07/12/21 16:10	07/13/21 16:26	10
DCB Decachlorobiphenyl (Surr)	119		46 - 152				07/12/21 16:10	07/13/21 16:26	10
DCB Decachlorobiphenyl (Surr)	99		46 - 152				07/12/21 16:10	07/13/21 16:26	10

Client Sample ID: SGC-070721-PH-20

Result Qualifier

ND

Date Collected: 07/07/21 11:15

Analyte

Mercury

Date Received: 07/08/21 16:15

_ab Samp	le ID:	590-1	5446-14
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Matrix: Solid Percent Solids: 96.7

Analyzed

Dil Fac

Analyte	Result Qualifie	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	87		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 16:46	50
4,4'-DDE	ND	87		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
4,4'-DDT	ND	87		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
Aldrin	ND	42		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
alpha-BHC	ND	42		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
beta-BHC	ND	51		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
cis-Chlordane	240	42		ug/Kg	≎	07/12/21 16:10	07/13/21 16:46	50
delta-BHC	ND	51		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
Dieldrin	ND	87		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
Endosulfan I	ND	42		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
Endosulfan II	ND	120		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
Endosulfan sulfate	ND	87		ug/Kg	☆	07/12/21 16:10	07/13/21 16:46	50

RL

0.057

MDL Unit

mg/Kg

D

Prepared

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Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-20

Lab Sample ID: 590-15446-14 Date Collected: 07/07/21 11:15 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 96.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		87		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 16:46	50
Endrin aldehyde	ND		87		ug/Kg	₽	07/12/21 16:10	07/13/21 16:46	50
Endrin ketone	ND		100		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
gamma-BHC (Lindane)	ND		42		ug/Kg	≎	07/12/21 16:10	07/13/21 16:46	50
Heptachlor	ND		42		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
Heptachlor epoxide	ND		42		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
Methoxychlor	ND		340		ug/Kg	₩	07/12/21 16:10	07/13/21 16:46	50
Toxaphene	ND		1700		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
trans-Chlordane	190		42		ug/Kg	☼	07/12/21 16:10	07/13/21 16:46	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene			19 - 136				07/12/21 16:10	07/13/21 16:46	50
Tetrachloro-m-xylene	99		19 - 136				07/12/21 16:10	07/13/21 16:46	50
DCB Decachlorobiphenyl (Surr)	161	S1+	46 - 152				07/12/21 16:10	07/13/21 16:46	50
DCB Decachlorobiphenyl (Surr)	143		46 - 152				07/12/21 16:10	07/13/21 16:46	50

Method: 7471B - Mercury (CVA)	4)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.77		0.15		mg/Kg	<u></u>	07/12/21 21:23	07/13/21 19:40	2.5

Client Sample ID: SGC-070721-PH-21

Lab Sample ID: 590-15446-15 Date Collected: 07/07/21 11:21 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 98.7

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	34		ug/Kg	-	07/12/21 16:10	07/13/21 17:06	20
4,4'-DDE	ND	34		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
4,4'-DDT	ND	34		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Aldrin	ND	17		ug/Kg	≎	07/12/21 16:10	07/13/21 17:06	20
alpha-BHC	ND	17		ug/Kg	☼	07/12/21 16:10	07/13/21 17:06	20
beta-BHC	ND	20		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
cis-Chlordane	ND	17		ug/Kg	₩	07/12/21 16:10	07/13/21 17:06	20
delta-BHC	ND	20		ug/Kg	≎	07/12/21 16:10	07/13/21 17:06	20
Dieldrin	ND	34		ug/Kg	☼	07/12/21 16:10	07/13/21 17:06	20
Endosulfan I	ND	17		ug/Kg	≎	07/12/21 16:10	07/13/21 17:06	20
Endosulfan II	ND	46		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Endosulfan sulfate	ND	34		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Endrin	ND	34		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Endrin aldehyde	ND	34		ug/Kg	≎	07/12/21 16:10	07/13/21 17:06	20
Endrin ketone	ND	40		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
gamma-BHC (Lindane)	ND	17		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Heptachlor	ND	17		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Heptachlor epoxide	ND	17		ug/Kg	☼	07/12/21 16:10	07/13/21 17:06	20
Methoxychlor	ND	130		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
Toxaphene	ND	660		ug/Kg	₽	07/12/21 16:10	07/13/21 17:06	20
trans-Chlordane	ND	17		ug/Kg	☆	07/12/21 16:10	07/13/21 17:06	20
Surrogate	%Recovery Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	89	19 - 136				07/12/21 16:10	07/13/21 17:06	20
Tetrachloro-m-xylene	79	19 - 136				07/12/21 16:10	07/13/21 17:06	20

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Client Sample Results

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-21

Lab Sample ID: 590-15446-15 Date Collected: 07/07/21 11:21 **Matrix: Solid**

Date Received: 07/08/21 16:15 Percent Solids: 98.7

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

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	DCB Decachlorobiphenyl (Surr)	130		46 - 152	07/12/21 16:10	07/13/21 17:06	20
ı	DCB Decachlorobiphenyl (Surr)	114		46 - 152	07/12/21 16:10	07/13/21 17:06	20

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.058		mg/Kg		☼	07/12/21 05:02	07/12/21 19:55	1

Client Sample ID: SGC-070721-PH-22

Date Collected: 07/07/21 11:25 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 86.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		19		ug/Kg	<u></u>	07/12/21 16:10	07/14/21 10:54	10
4,4'-DDE	ND		19		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
4,4'-DDT	ND		19		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Aldrin	ND		9.4		ug/Kg	⊅	07/12/21 16:10	07/14/21 10:54	10
alpha-BHC	ND		9.4		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
beta-BHC	ND		11		ug/Kg	₩	07/12/21 16:10	07/14/21 10:54	10
cis-Chlordane	ND		9.4		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
delta-BHC	ND		11		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Dieldrin	ND		19		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Endosulfan I	ND		9.4		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Endosulfan II	ND		26		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Endosulfan sulfate	ND		19		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Endrin	ND		19		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Endrin aldehyde	ND		19		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Endrin ketone	ND		23		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
gamma-BHC (Lindane)	ND		9.4		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Heptachlor	ND		9.4		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Heptachlor epoxide	ND		9.4		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Methoxychlor	ND		76		ug/Kg	₽	07/12/21 16:10	07/14/21 10:54	10
Toxaphene	ND		380		ug/Kg	₩	07/12/21 16:10	07/14/21 10:54	10
trans-Chlordane	ND		9.4		ug/Kg	☼	07/12/21 16:10	07/14/21 10:54	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	3	S1-	19 - 136				07/12/21 16:10	07/14/21 10:54	10
Tetrachloro-m-xylene	4	S1-	19 - 136				07/12/21 16:10	07/14/21 10:54	10
DCB Decachlorobiphenyl (Surr)	91		46 - 152				07/12/21 16:10	07/14/21 10:54	10
DCB Decachlorobiphenyl (Surr)	73		46 - 152				07/12/21 16:10	07/14/21 10:54	10
Method: 7471B - Mercury (C	VAA)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.065		mg/Kg	— <u>—</u>	07/12/21 21:23	07/13/21 19:28	1

Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.065		mg/Kg	<u></u>	07/12/21 21:23	07/13/21 19:28	1

Lab Sample ID: 590-15446-16

7/16/2021

Lab Sample ID: 590-15446-17

Matrix: Solid

Job ID: 590-15446-1

Percent Solids: 98.7

Client Sample	ID: SGC-070721-PH-23
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Date Collected: 07/07/21 11:28 Date Received: 07/08/21 16:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		86		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 17:46	50
4,4'-DDE	ND		86		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
4,4'-DDT	ND		86		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Aldrin	ND		42		ug/Kg	₩	07/12/21 16:10	07/13/21 17:46	50
alpha-BHC	ND		42		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
beta-BHC	ND		50		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
cis-Chlordane	ND		42		ug/Kg	₽	07/12/21 16:10	07/13/21 17:46	50
delta-BHC	ND		50		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Dieldrin	ND		86		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Endosulfan I	ND		42		ug/Kg	₽	07/12/21 16:10	07/13/21 17:46	50
Endosulfan II	ND		120		ug/Kg	₩	07/12/21 16:10	07/13/21 17:46	50
Endosulfan sulfate	ND		86		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Endrin	ND		86		ug/Kg	₽	07/12/21 16:10	07/13/21 17:46	50
Endrin aldehyde	ND		86		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Endrin ketone	ND		100		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
gamma-BHC (Lindane)	ND		42		ug/Kg	₩	07/12/21 16:10	07/13/21 17:46	50
Heptachlor	ND		42		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Heptachlor epoxide	ND		42		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
Methoxychlor	ND		340		ug/Kg	₩	07/12/21 16:10	07/13/21 17:46	50
Toxaphene	ND		1700		ug/Kg	☼	07/12/21 16:10	07/13/21 17:46	50
trans-Chlordane	ND		42		ug/Kg	₩	07/12/21 16:10	07/13/21 17:46	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	86		19 - 136				07/12/21 16:10	07/13/21 17:46	50
Tetrachloro-m-xylene	77		19 - 136				07/12/21 16:10	07/13/21 17:46	50
DCB Decachlorobiphenyl (Surr)	120		46 - 152				07/12/21 16:10	07/13/21 17:46	50
DCB Decachlorobiphenyl (Surr)	103		46 - 152				07/12/21 16:10	07/13/21 17:46	50
Method: 7471B - Mercury (C	CVAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SGC-070721-PH-24

ND

Date Collected: 07/07/21 11:34 Date Received: 07/08/21 16:15

Mercury

Lab Sample ID: 590-15446-18

Matrix: Solid

Percent Solids: 98.0

Analyte	Result (Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17		ug/Kg	☆	07/12/21 16:10	07/14/21 11:14	10
4,4'-DDE	ND		17		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
4,4'-DDT	ND		17		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Aldrin	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
alpha-BHC	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
beta-BHC	ND		10		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
cis-Chlordane	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
delta-BHC	ND		10		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Dieldrin	ND		17		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Endosulfan I	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Endosulfan II	ND		23		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Endosulfan sulfate	ND		17		ug/Kg	⇔	07/12/21 16:10	07/14/21 11:14	10

0.060

mg/Kg

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-24

Date Collected: 07/07/21 11:34 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-18

Matrix: Solid

Job ID: 590-15446-1

Percent Solids: 98.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	ND		17		ug/Kg	<u></u>	07/12/21 16:10	07/14/21 11:14	10
Endrin aldehyde	ND		17		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Endrin ketone	ND		20		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
gamma-BHC (Lindane)	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Heptachlor	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Heptachlor epoxide	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Methoxychlor	ND		68		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
Toxaphene	ND		330		ug/Kg	₩	07/12/21 16:10	07/14/21 11:14	10
trans-Chlordane	ND		8.4		ug/Kg	≎	07/12/21 16:10	07/14/21 11:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	85		19 - 136				07/12/21 16:10	07/14/21 11:14	10
Tetrachloro-m-xylene	75		19 - 136				07/12/21 16:10	07/14/21 11:14	10
DCB Decachlorobiphenyl (Surr)	121		46 - 152				07/12/21 16:10	07/14/21 11:14	10
DCB Decachlorobiphenyl (Surr)	104		46 - 152				07/12/21 16:10	07/14/21 11:14	10

RL

0.060

MDL Unit

mg/Kg

Result Qualifier

108

Client Sample ID: SGC-070721-PH-25

Date Collected: 07/07/21 11:39 Date Received: 07/08/21 16:15

Analyte

Mercury

Tetrachloro-m-xylene

Method: 7471B - Mercury (CVAA)

Lab Sample ID: 590-15446-19

Analyzed

Prepared

Percent Solids: 98.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		34		ug/Kg	-	07/13/21 16:57	07/14/21 09:29	20
4,4'-DDE	ND		34		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
4,4'-DDT	ND		34		ug/Kg	₩	07/13/21 16:57	07/14/21 09:29	20
Aldrin	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
alpha-BHC	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
beta-BHC	ND		20		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
cis-Chlordane	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
delta-BHC	ND		20		ug/Kg	☼	07/13/21 16:57	07/14/21 09:29	20
Dieldrin	ND		34		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
Endosulfan I	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
Endosulfan II	ND		46		ug/Kg	☼	07/13/21 16:57	07/14/21 09:29	20
Endosulfan sulfate	ND		34		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
Endrin	ND		34		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
Endrin aldehyde	ND		34		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
Endrin ketone	ND		40		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
gamma-BHC (Lindane)	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:29	20
Heptachlor	ND		17		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
Heptachlor epoxide	ND		17		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
Methoxychlor	ND		130		ug/Kg	₩	07/13/21 16:57	07/14/21 09:29	20
Toxaphene	ND		660		ug/Kg	≎	07/13/21 16:57	07/14/21 09:29	20
trans-Chlordane	ND		17		ug/Kg	☼	07/13/21 16:57	07/14/21 09:29	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	131		19 - 136				07/13/21 16:57	07/14/21 09:29	20

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07/13/21 16:57 07/14/21 09:29

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2

3

5

8

10

11

12

0-15446-19 Matrix: Solid

Dil Fac

20

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-25

Lab Sample ID: 590-15446-19 Date Collected: 07/07/21 11:39 **Matrix: Solid**

Percent Solids: 98.6

Lab Sample ID: 590-15446-20

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	153	S1+	46 - 152	07/13/21 16:57	07/14/21 09:29	20
DCB Decachlorobiphenyl (Surr)	145		46 - 152	07/13/21 16:57	07/14/21 09:29	20

Method: 7471B - Mercury (CVAA)

Date Received: 07/08/21 16:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.057		mg/Kg	 ☼	07/12/21 21:23	07/13/21 19:33	1

Client Sample ID: SGC-070721-PH-26

Date Collected: 07/07/21 12:02 Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 97.5

Method: 8081B - Organochlorine Pesticides (GC) Result Qualifier RL **MDL** Unit Dil Fac **Analyte** D Prepared Analyzed 4,4'-DDD ND 8.7 07/13/21 16:57 07/14/21 09:40 5 ug/Kg 07/13/21 16:57 07/14/21 09:40 4,4'-DDE ND 8.7 5 ug/Kg 4.4'-DDT ND 8.7 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 Aldrin ND 4.2 07/13/21 16:57 07/14/21 09:40 5 ug/Kg alpha-BHC ND 4.2 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 beta-BHC ND 5.1 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 5 cis-Chlordane ND 4.2 ug/Kg 07/13/21 16:57 07/14/21 09:40 delta-BHC ND 5.1 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 Dieldrin ND 8.7 ug/Kg © 07/13/21 16:57 07/14/21 09:40 5 Endosulfan I ND 4.2 ug/Kg © 07/13/21 16:57 07/14/21 09:40 5 Endosulfan II ND 12 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 Endosulfan sulfate ND 8.7 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 5 Endrin ND 8.7 © 07/13/21 16:57 07/14/21 09:40 ug/Kg Endrin aldehyde ND 8.7 © 07/13/21 16:57 07/14/21 09:40 5 ug/Kg ND 10 © 07/13/21 16:57 07/14/21 09:40 5 Endrin ketone ug/Kg gamma-BHC (Lindane) ND 4.2 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 Heptachlor ND 4.2 ug/Kg 07/13/21 16:57 07/14/21 09:40 5 © 07/13/21 16:57 07/14/21 09:40 Heptachlor epoxide ND 4.2 ug/Kg 5 Methoxychlor ND 34 ug/Kg © 07/13/21 16:57 07/14/21 09:40 5 170 5 Toxaphene ND ug/Kg 07/13/21 16:57 07/14/21 09:40 trans-Chlordane ND 4.2 ug/Kg © 07/13/21 16:57 07/14/21 09:40 5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	141	S1+	19 - 136	07/13/21 16:57	07/14/21 09:40	5
Tetrachloro-m-xylene	124		19 - 136	07/13/21 16:57	07/14/21 09:40	5
DCB Decachlorobiphenyl (Surr)	155	S1+	46 - 152	07/13/21 16:57	07/14/21 09:40	5
DCB Decachlorobiphenyl (Surr)	154	S1+	46 - 152	07/13/21 16:57	07/14/21 09:40	5

Method: 7471B - Mercury (CVAA)

Analyte	•	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Mercury	ND		0.060		mg/Kg	 <u>`</u>	07/12/21 05:02	07/12/21 18:44	1

Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-27

Date Collected: 07/07/21 12:14 Date Received: 07/08/21 16:15

Client: Fulcrum Environmental

Lab Sample ID: 590-15446-21

Matrix: Solid

Percent Solids: 97.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		17		ug/Kg	<u></u>	07/13/21 16:57	07/14/21 09:52	10
4,4'-DDE	ND		17		ug/Kg	☼	07/13/21 16:57	07/14/21 09:52	10
4,4'-DDT	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Aldrin	ND		8.5		ug/Kg	₩	07/13/21 16:57	07/14/21 09:52	10
alpha-BHC	ND		8.5		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
beta-BHC	ND		10		ug/Kg	☼	07/13/21 16:57	07/14/21 09:52	10
cis-Chlordane	ND		8.5		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
delta-BHC	ND		10		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Dieldrin	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Endosulfan I	ND		8.5		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Endosulfan II	ND		23		ug/Kg	☼	07/13/21 16:57	07/14/21 09:52	10
Endosulfan sulfate	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Endrin	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Endrin aldehyde	ND		17		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Endrin ketone	ND		20		ug/Kg	≎	07/13/21 16:57	07/14/21 09:52	10
gamma-BHC (Lindane)	ND		8.5		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Heptachlor	ND		8.5		ug/Kg	≎	07/13/21 16:57	07/14/21 09:52	10
Heptachlor epoxide	ND		8.5		ug/Kg	≎	07/13/21 16:57	07/14/21 09:52	10
Methoxychlor	ND		68		ug/Kg	₽	07/13/21 16:57	07/14/21 09:52	10
Toxaphene	ND		340		ug/Kg	≎	07/13/21 16:57	07/14/21 09:52	10
trans-Chlordane	ND		8.5		ug/Kg	₩	07/13/21 16:57	07/14/21 09:52	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene			19 - 136				07/13/21 16:57	07/14/21 09:52	10
Tetrachloro-m-xylene	96		19 - 136				07/13/21 16:57	07/14/21 09:52	10
DCB Decachlorobiphenyl (Surr)	140		46 - 152				07/13/21 16:57	07/14/21 09:52	10
DCB Decachlorobiphenyl (Surr)	136		46 - 152				07/13/21 16:57	07/14/21 09:52	10

Analyte **Result Qualifier** RL MDL Unit Prepared Analyzed Dil Fac 0.058 Mercury ND mg/Kg

Client Sample ID: SGC-070721-PH-28

Date Collected: 07/07/21 12:15 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-22 **Matrix: Solid** Percent Solids: 98.8

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND -	85		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
4,4'-DDE	ND	85		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
4,4'-DDT	ND	85		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Aldrin	ND	42		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
beta-BHC	ND	50		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
cis-Chlordane	ND	42		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
delta-BHC	ND	50		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Dieldrin	ND	85		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Endosulfan I	ND	42		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Endosulfan II	ND	120		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Endosulfan sulfate	ND	85		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Endrin	ND	85		ug/Kg	☆	07/13/21 16:57	07/14/21 10:03	50

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7/16/2021

Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-28

Date Collected: 07/07/21 12:15 Date Received: 07/08/21 16:15

Client: Fulcrum Environmental

Lab Sample ID: 590-15446-22

Matrix: Solid

Percent Solids: 98.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND		85		ug/Kg	<u></u>	07/13/21 16:57	07/14/21 10:03	50
Endrin ketone	ND		100		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
gamma-BHC (Lindane)	ND		42		ug/Kg	☼	07/13/21 16:57	07/14/21 10:03	50
Heptachlor	ND		42		ug/Kg	☼	07/13/21 16:57	07/14/21 10:03	50
Heptachlor epoxide	ND		42		ug/Kg	☼	07/13/21 16:57	07/14/21 10:03	50
Methoxychlor	ND		340		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
Toxaphene	ND		1700		ug/Kg	₩	07/13/21 16:57	07/14/21 10:03	50
trans-Chlordane	ND		42		ug/Kg	☼	07/13/21 16:57	07/14/21 10:03	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	131		19 - 136				07/13/21 16:57	07/14/21 10:03	50
Tetrachloro-m-xylene	106		19 - 136				07/13/21 16:57	07/14/21 10:03	50
DCB Decachlorobiphenyl (Surr)	170	S1+	46 - 152				07/13/21 16:57	07/14/21 10:03	50
DCB Decachlorobiphenyl (Surr)	149		46 - 152				07/13/21 16:57	07/14/21 10:03	50

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	450		83		ug/Kg	*	07/13/21 16:57	07/14/21 14:39	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	132		19 - 136				07/13/21 16:57	07/14/21 14:39	100
Tetrachloro-m-xylene	112		19 - 136				07/13/21 16:57	07/14/21 14:39	100
DCB Decachlorobiphenyl (Surr)	165	S1+	46 - 152				07/13/21 16:57	07/14/21 14:39	100
DCB Decachlorobiphenyl (Surr)	147		46 - 152				07/13/21 16:57	07/14/21 14:39	100

Method: 7471B - Mercury (CVA	4)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.057		mg/Kg	≎	07/12/21 21:23	07/13/21 19:42	1

Client Sample ID: SGC-070721-PH-29 Lab Sample ID: 590-15446-23

Date Collected: 07/07/21 12:30 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 98.1

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND ND	17		ug/Kg	*	07/13/21 16:57	07/14/21 10:14	10
4,4'-DDE	ND	17		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
4,4'-DDT	ND	17		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Aldrin	ND	8.3		ug/Kg	₩	07/13/21 16:57	07/14/21 10:14	10
alpha-BHC	ND	8.3		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
beta-BHC	ND	10		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
cis-Chlordane	ND	8.3		ug/Kg	₩	07/13/21 16:57	07/14/21 10:14	10
delta-BHC	ND	10		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Dieldrin	ND	17		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Endosulfan I	ND	8.3		ug/Kg	₩	07/13/21 16:57	07/14/21 10:14	10
Endosulfan II	ND	23		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Endosulfan sulfate	ND	17		ug/Kg	₩	07/13/21 16:57	07/14/21 10:14	10
Endrin	ND	17		ug/Kg	₽	07/13/21 16:57	07/14/21 10:14	10
Endrin aldehyde	ND	17		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Endrin ketone	ND	20		ug/Kg	₩	07/13/21 16:57	07/14/21 10:14	10
gamma-BHC (Lindane)	ND	8.3		ug/Kg	₽	07/13/21 16:57	07/14/21 10:14	10

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Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-29

DCB Decachlorobiphenyl (Surr)

Lab Sample ID: 590-15446-23 Date Collected: 07/07/21 12:30 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 98.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND		8.3		ug/Kg	-	07/13/21 16:57	07/14/21 10:14	10
Heptachlor epoxide	ND		8.3		ug/Kg	₽	07/13/21 16:57	07/14/21 10:14	10
Methoxychlor	ND		67		ug/Kg	₽	07/13/21 16:57	07/14/21 10:14	10
Toxaphene	ND		330		ug/Kg	₽	07/13/21 16:57	07/14/21 10:14	10
trans-Chlordane	ND		8.3		ug/Kg	☼	07/13/21 16:57	07/14/21 10:14	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	91		19 - 136				07/13/21 16:57	07/14/21 10:14	10
Tetrachloro-m-xylene	76		19 - 136				07/13/21 16:57	07/14/21 10:14	10
DCB Decachlorobiphenyl (Surr)	111		46 - 152				07/13/21 16:57	07/14/21 10:14	10
DCB Decachlorobiphenyl (Surr)	105		46 - 152				07/13/21 16:57	07/14/21 10:14	10

Method: 7471	B - Mercury (CVAA)								
Analyte	Resul	t Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	NE)	0.060		mg/Kg	*	07/12/21 05:02	07/12/21 19:57	1

Client Sample ID: SGC-070721-PH-30 Lab Sample ID: 590-15446-24 Date Collected: 07/07/21 12:31 **Matrix: Solid**

Date Received: 07/08/21 16:15 Percent Solids: 98.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
4,4'-DDD	ND		8.6		ug/Kg	— <u>—</u>	07/13/21 16:57	07/14/21 10:25	
4,4'-DDE	ND		8.6		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	Ę
4,4'-DDT	ND		8.6		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	į
Aldrin	ND		4.2		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	
alpha-BHC	ND		4.2		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
beta-BHC	ND		5.1		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
cis-Chlordane	ND		4.2		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	5
delta-BHC	ND		5.1		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	5
Dieldrin	ND		8.6		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Endosulfan I	ND		4.2		ug/Kg	₽	07/13/21 16:57	07/14/21 10:25	5
Endosulfan II	ND		12		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Endosulfan sulfate	ND		8.6		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Endrin	ND		8.6		ug/Kg	₽	07/13/21 16:57	07/14/21 10:25	5
Endrin aldehyde	ND		8.6		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	5
Endrin ketone	ND		10		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	į
gamma-BHC (Lindane)	ND		4.2		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Heptachlor	ND		4.2		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Heptachlor epoxide	ND		4.2		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
Methoxychlor	ND		34		ug/Kg	₽	07/13/21 16:57	07/14/21 10:25	5
Toxaphene	ND		170		ug/Kg	☼	07/13/21 16:57	07/14/21 10:25	5
trans-Chlordane	ND		4.2		ug/Kg	₩	07/13/21 16:57	07/14/21 10:25	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Tetrachloro-m-xylene	58		19 - 136				07/13/21 16:57	07/14/21 10:25	
Tetrachloro-m-xylene	49		19 - 136				07/13/21 16:57	07/14/21 10:25	
DCB Decachlorobiphenyl (Surr)	70		46 - 152				07/13/21 16:57	07/14/21 10:25	5

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07/13/21 16:57 07/14/21 10:25

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Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-30

Date Collected: 07/07/21 12:31 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-24

Matrix: Solid Percent Solids: 98.6

Method: 7471B - Mercury (CVAA)							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	0.056	mg/Kg	₩	07/12/21 05:02	07/12/21 18:54	1

Client Sample ID: SGC-070721-PH-31

Date Collected: 07/07/21 13:03 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-25 **Matrix: Solid**

Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		18		ug/Kg	<u></u>	07/12/21 16:10	07/13/21 18:26	10
4,4'-DDE	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
4,4'-DDT	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Aldrin	ND		8.6		ug/Kg	₽	07/12/21 16:10	07/13/21 18:26	10
alpha-BHC	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
beta-BHC	ND		10		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
cis-Chlordane	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
delta-BHC	ND		10		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Dieldrin	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endosulfan I	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endosulfan II	ND		24		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endosulfan sulfate	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endrin	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endrin aldehyde	ND		18		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Endrin ketone	ND		21		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
gamma-BHC (Lindane)	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Heptachlor	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Heptachlor epoxide	ND		8.6		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Methoxychlor	ND		70		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
Toxaphene	ND		340		ug/Kg	₩	07/12/21 16:10	07/13/21 18:26	10
trans-Chlordane	ND		8.6		ug/Kg	☼	07/12/21 16:10	07/13/21 18:26	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	88		19 - 136				07/12/21 16:10	07/13/21 18:26	10
Tetrachloro-m-xylene	79		19 - 136				07/12/21 16:10	07/13/21 18:26	10
DCB Decachlorobiphenyl (Surr)	118		46 - 152				07/12/21 16:10	07/13/21 18:26	10
DCB Decachlorobiphenyl (Surr)	100		46 - 152				07/12/21 16:10	07/13/21 18:26	10
Method: 7471B - Mercury (C	VAA)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.061		mg/Kg	— <u></u>	07/12/21 05:02	07/12/21 18:48	

Client Sample ID: SGC-070721-PH-32

Date Collected: 07/07/21 13:15

Lab Sample ID: 590-15446-26 **Matrix: Solid**

Date Received: 07/08/21 16:15 Percent Solids: 97.7

Method: 8081B	- Organochlorine Pesticid	es (GC)					
Analyte	Result	Qualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		ug/Kg		07/12/21 16:10	07/13/21 18:46	10
4,4'-DDE	ND	17	ug/Kg	₽	07/12/21 16:10	07/13/21 18:46	10
4,4'-DDT	ND	17	ug/Kg	₽	07/12/21 16:10	07/13/21 18:46	10
Aldrin	ND	8.4	ug/Kg	₽	07/12/21 16:10	07/13/21 18:46	10
alpha-BHC	ND	8.4	ug/Kg	₽	07/12/21 16:10	07/13/21 18:46	10

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Client Sample Results

Client: Fulcrum Environmental

Project/Site: Kinney Sundance General Consulting

Date Collected: 07/07/21 13:15

Date Received: 07/08/21 16:15

Matrix: Solid
Percent Solids: 97.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	ND		10		ug/Kg	-	07/12/21 16:10	07/13/21 18:46	10
cis-Chlordane	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
delta-BHC	ND		10		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Dieldrin	ND		17		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endosulfan I	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endosulfan II	ND		23		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endosulfan sulfate	ND		17		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endrin	ND		17		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endrin aldehyde	ND		17		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Endrin ketone	ND		20		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
gamma-BHC (Lindane)	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Heptachlor	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Heptachlor epoxide	ND		8.4		ug/Kg	☼	07/12/21 16:10	07/13/21 18:46	10
Methoxychlor	ND		68		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Toxaphene	ND		330		ug/Kg	☼	07/12/21 16:10	07/13/21 18:46	10
trans-Chlordane	ND		8.4		ug/Kg	₩	07/12/21 16:10	07/13/21 18:46	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		19 - 136				07/12/21 16:10	07/13/21 18:46	10
Tetrachloro-m-xylene	73		19 - 136				07/12/21 16:10	07/13/21 18:46	10
DCB Decachlorobiphenyl (Surr)	117		46 - 152				07/12/21 16:10	07/13/21 18:46	10
DCB Decachlorobiphenyl (Surr)	96		46 - 152				07/12/21 16:10	07/13/21 18:46	10
Method: 7471B - Mercury (C	VAA)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.060		mg/Kg	<u></u>	07/12/21 05:02	07/12/21 18:42	1

2

Job ID: 590-15446-1

3

5

8

9

10

1 -

Project/Site: Kinney Sundance General Consulting

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-147394/1-A

Matrix: Solid

Analysis Batch: 147579

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

Prep Batch: 147394

Job ID: 590-15446-1

Tillary Cic Batchin Till Cic						op =atom	
	MB	MB					
Analyte	Result	Qualifier	RL MD	L Unit	D Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
4,4'-DDE	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
4,4'-DDT	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Aldrin	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
alpha-BHC	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
beta-BHC	ND		1.0	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
cis-Chlordane	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
delta-BHC	ND		1.0	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Dieldrin	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endosulfan I	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endosulfan II	ND		2.3	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endosulfan sulfate	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endrin	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endrin aldehyde	ND		1.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Endrin ketone	ND		2.0	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
gamma-BHC (Lindane)	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Heptachlor	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Heptachlor epoxide	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Methoxychlor	ND		6.7	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
Toxaphene	ND		33	ug/Kg	07/12/21 16:10	07/13/21 08:10	1
trans-Chlordane	ND		0.83	ug/Kg	07/12/21 16:10	07/13/21 08:10	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared Analyzed	Dil Fac
Tetrachloro-m-xylene	48	19 - 136	07/12/21 16:10 07/13/21 08:1	10 1
Tetrachloro-m-xylene	48	19 - 136	07/12/21 16:10 07/13/21 08:	10 1
DCB Decachlorobiphenyl (Surr)	81	46 - 152	07/12/21 16:10 07/13/21 08:	10 1
DCB Decachlorobiphenyl (Surr)	77	46 - 152	07/12/21 16:10 07/13/21 08:	10 1

Lab Sample ID: LCS 410-147394/2-A

Matrix: Solid

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

Analysis Batch: 147579							Prep Batch: 147394
	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	6.71	7.27		ug/Kg		108	69 - 138
4,4'-DDE	6.71	7.68		ug/Kg		114	68 - 146
4,4'-DDT	6.71	7.89		ug/Kg		118	67 - 135
Aldrin	3.38	3.56		ug/Kg		106	60 - 117
alpha-BHC	3.38	3.44		ug/Kg		102	65 - 124
beta-BHC	3.33	3.27		ug/Kg		98	68 - 129
cis-Chlordane	3.33	3.38		ug/Kg		101	73 - 131
delta-BHC	3.33	3.54		ug/Kg		106	45 - 151
Dieldrin	6.67	7.23		ug/Kg		108	63 - 126
Endosulfan I	3.38	3.21		ug/Kg		95	62 - 119
Endosulfan II	6.71	6.78		ug/Kg		101	65 - 126
Endosulfan sulfate	6.71	6.43		ug/Kg		96	71 - 132
Endrin	6.67	7.21		ug/Kg		108	86 - 135
Endrin aldehyde	6.71	6.60		ug/Kg		98	59 - 122
Endrin ketone	6.67	6.96		ug/Kg		104	85 - 131

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Project/Site: Kinney Sundance General Consulting

Job ID: 590-15446-1

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

Lab Sample ID: LCS 410-147394/2-A

Matrix: Solid

Analysis Batch: 147579

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Prep Batch: 147394 %Rec.					
Unit	D	%Rec	Limits					
ug/Kg		103	68 - 133					

•	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	
gamma-BHC (Lindane)	3.33	3.43	uį	g/Kg	103	68 - 133	
Heptachlor	3.38	3.46	uç	g/Kg	102	66 - 118	
Heptachlor epoxide	3.33	3.48	uç	g/Kg	104	74 - 128	
Methoxychlor	33.6	37.6	uç	g/Kg	112	88 - 145	
trans-Chlordane	3.33	3.44	นดู	g/Kg	103	76 - 134	

LCS LCS Surrogate %Recovery Qualifier Limits Tetrachloro-m-xylene 54 19 - 136 Tetrachloro-m-xylene 54 19 - 136 97 46 - 152 DCB Decachlorobiphenyl (Surr) DCB Decachlorobiphenyl (Surr) 99 46 - 152

Lab Sample ID: 590-15446-1 MS

Matrix: Solid

Client Sample ID: SGC-070721-PH-07

Prep Type: Total/NA Prep Batch: 147394

Analysis Batch: 147579 Sample Sample Spike MS MS %Rec. Result Qualifier Analyte Added Result Qualifier Unit D %Rec Limits 4,4'-DDD ND F1 ND ☼ 6.91 110 69 - 138ug/Kg 4,4'-DDE ND F1 6.91 ND ug/Kg ☼ 119 68 - 146 4,4'-DDT ND F2 F1 6.91 ND ug/Kg 96 67 - 135 ∜ Aldrin ND F1 3.48 ND 116 60 - 117 ug/Kg alpha-BHC 3.48 ND 99 ND F1 ug/Kg Ö 65 - 124beta-BHC ND F1 3.44 ND ug/Kg ₩ 110 68 - 129 cis-Chlordane ND F1 3.44 ND ug/Kg 119 73 - 131 ₩ delta-BHC ND F1 ND F1 3.44 ug/Kg ₩ 0 45 - 151 Dieldrin ND F1 6.87 ND ug/Kg ₩ 117 63 - 126Endosulfan I 3.48 ND 101 ND F2F1 ug/Kg ₩ 62 - 119 Endosulfan II 6.91 ND ND F1 ug/Kg ☼ 111 65 - 126 Endosulfan sulfate 6.91 ND 107 71 - 132 ND F1 ug/Kg Ö Endrin ND F1 6.87 ND ug/Kg 113 86 - 135 106 Endrin aldehyde 6.91 ND ₩ 59 - 122 ND F2 F1 ug/Kg Endrin ketone ND F2 F1 6.87 ND 104 85 - 131 ug/Kg gamma-BHC (Lindane) 3.44 ND 106 ND F1 ug/Kg ∜ 68 - 133Heptachlor ND F1 3.48 ND ug/Kg ₩ 110 66 - 118 Heptachlor epoxide ND F1 3.44 ND ug/Kg ₩ 123 74 - 128 Methoxychlor ND F2 F1 34.7 ND ug/Kg ☼ 101 88 - 145 trans-Chlordane ND F1 3.44 ND ug/Kg ₩ 122 76 - 134

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	94		19 - 136
Tetrachloro-m-xylene	89		19 - 136
DCB Decachlorobiphenyl (Surr)	112		46 - 152
DCB Decachlorobiphenyl (Surr)	98		46 - 152

Project/Site: Kinney Sundance General Consulting

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

Lab Sample ID: 590-15446-1 MSD

Matrix: Solid

Analysis Batch: 147579

Client Sample ID: SGC-070721-PH-07

Job ID: 590-15446-1

Prep Type: Total/NA Prep Batch: 147394

Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
4,4'-DDD ND	F1	6.89	11.2	F1	ug/Kg	<u></u>	163	69 - 138	38	50
4,4'-DDE ND	F1	6.89	11.0	F1	ug/Kg	☼	159	68 - 146	29	50
4,4'-DDT ND	F2 F1	6.89	12.4	F1 F2	ug/Kg	₩	181	67 - 135	61	50
Aldrin ND	F1	3.47	5.43	F1	ug/Kg	₽	157	60 - 117	29	50
alpha-BHC ND	F1	3.47	6.25	F1 F2	ug/Kg	☼	180	65 - 124	58	50
beta-BHC ND	F1	3.42	6.46	F1 F2	ug/Kg	☼	189	68 - 129	53	50
cis-Chlordane ND	F1	3.42	5.79	F1	ug/Kg	₽	169	73 - 131	35	50
delta-BHC ND	F1	3.42	5.18	p	ug/Kg	☼	151	45 - 151	NC	50
Dieldrin ND	F1	6.85	10.9	F1	ug/Kg	☼	160	63 - 126	31	50
Endosulfan I ND	F2 F1	3.47	ND		ug/Kg	₽	111	62 - 119	9	50
Endosulfan II ND	F1	6.89	ND	F1	ug/Kg	☼	155	65 - 126	32	50
Endosulfan sulfate ND	F1	6.89	10.5	F1	ug/Kg	₩	152	71 - 132	34	50
Endrin ND	F1	6.85	11.5	F1	ug/Kg	₽	168	86 - 135	39	50
Endrin aldehyde ND	F2 F1	6.89	10.6	F1 F2	ug/Kg	₩	153	59 - 122	37	35
Endrin ketone ND	F2 F1	6.85	ND	F1	ug/Kg	₩	143	85 - 131	31	50
gamma-BHC (Lindane) ND	F1	3.42	5.88	F1	ug/Kg	₽	172	68 - 133	47	50
Heptachlor ND	F1	3.47	5.44	F1	ug/Kg	₩	157	66 - 118	35	50
Heptachlor epoxide ND	F1	3.42	5.89	F1	ug/Kg	₩	172	74 - 128	33	50
Methoxychlor ND	F2 F1	34.5	60.0	F1 F2	ug/Kg	₩	174	88 - 145	53	50
trans-Chlordane ND	F1	3.42	5.65	F1	ug/Kg	₩	165	76 - 134	29	50

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	123		19 - 136
Tetrachloro-m-xylene	150	S1+	19 - 136
DCB Decachlorobiphenyl (Surr)	154	S1+	46 - 152
DCB Decachlorobiphenyl (Surr)	139		46 - 152

Lab Sample ID: MB 410-147951/1-A

Matrix: Solid

Analysis Batch: 148120

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 147951

	MB	MB						
Analyte	Result	Qualifier RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND	1.7	ug	g/Kg	_	07/13/21 16:56	07/14/21 07:59	1
4,4'-DDE	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
4,4'-DDT	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Aldrin	ND	0.83	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
alpha-BHC	ND	0.83	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
beta-BHC	ND	1.0	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
cis-Chlordane	ND	0.83	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
delta-BHC	ND	1.0	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Dieldrin	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endosulfan I	ND	0.83	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endosulfan II	ND	2.3	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endosulfan sulfate	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endrin	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endrin aldehyde	ND	1.7	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
Endrin ketone	ND	2.0	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1
gamma-BHC (Lindane)	ND	0.83	ug	g/Kg		07/13/21 16:56	07/14/21 07:59	1

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7/16/2021

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

Lab Sample ID: MB 410-147951/1-A

Matrix: Solid

Analysis Batch: 148120

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

Prep Batch: 147951

	IVI D IVI	ID					
Analyte	Result Q	ualifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	ND ND	0.83	ug/K	g	07/13/21 16:56	07/14/21 07:59	1
Heptachlor epoxide	ND	0.83	ug/K	g	07/13/21 16:56	07/14/21 07:59	1
Methoxychlor	ND	6.7	ug/K	g	07/13/21 16:56	07/14/21 07:59	1
Toxaphene	ND	33	ug/K	g	07/13/21 16:56	07/14/21 07:59	1
trans-Chlordane	ND	0.83	ug/K	g	07/13/21 16:56	07/14/21 07:59	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	49		19 - 136	07/13/21 16:56	07/14/21 07:59	1
Tetrachloro-m-xylene	45		19 - 136	07/13/21 16:56	07/14/21 07:59	1
DCB Decachlorobiphenyl (Surr)	111		46 - 152	07/13/21 16:56	07/14/21 07:59	1
DCB Decachlorobiphenyl (Surr)	112		46 - 152	07/13/21 16:56	07/14/21 07:59	1

Lab Sample ID: LCS 410-147951/2-A

Matrix: Solid

Analysis Batch: 148120

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

Prep Batch: 147951

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits 4,4'-DDD 6.71 7.97 119 69 - 138 ug/Kg 4,4'-DDE 6.71 7.68 ug/Kg 114 68 - 146 4,4'-DDT 6.71 6.92 ug/Kg 103 67 - 135 Aldrin 3.38 3.81 ug/Kg 113 60 - 117 alpha-BHC 3.38 3.90 116 65 - 124 ug/Kg beta-BHC 3.33 3.44 ug/Kg 103 68 - 129 cis-Chlordane 3.33 3.56 107 73 - 131 ug/Kg delta-BHC 117 3.33 3.91 ug/Kg 45 - 151 Dieldrin 6.67 7.69 ug/Kg 115 63 - 126Endosulfan I 3.38 3.44 ug/Kg 102 62 - 119 Endosulfan II 6.71 6.93 103 65 - 126 ug/Kg Endosulfan sulfate 6.71 6.65 71 - 132 ug/Kg 99 Endrin 6.67 7.31 ug/Kg 110 86 - 135 Endrin aldehyde 6.71 6.20 92 59 - 122 ug/Kg ug/Kg Endrin ketone 6.67 6.86 103 85 - 131 gamma-BHC (Lindane) 115 3.33 3.82 ug/Kg 68 - 133 Heptachlor 3.38 3.57 ug/Kg 106 66 - 118 Heptachlor epoxide 3.33 3.66 ug/Kg 110 74 - 128 Methoxychlor 33.6 35.1 ug/Kg 104 88 - 145 trans-Chlordane 3.33 3.78 ug/Kg 113 76 - 134

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
Tetrachloro-m-xylene	59		19 - 136
Tetrachloro-m-xylene	53		19 - 136
DCB Decachlorobiphenyl (Surr)	120		46 - 152
DCB Decachlorobiphenyl (Surr)	121		46 - 152

7/16/2021

Project/Site: Kinney Sundance General Consulting

Job ID: 590-15446-1

Prep Type: Total/NA **Prep Batch: 147118**

Prep Type: Total/NA **Prep Batch: 147118**

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 410-147118/1-A

Matrix: Solid

Analysis Batch: 147501

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.060 07/12/21 05:02 07/12/21 18:24 Mercury ND mg/Kg

Lab Sample ID: LCS 410-147118/2-A

Matrix: Solid

Analysis Batch: 147501

Analyte

Spike Added 0.167

0.181

LCS LCS Result Qualifier

MS MS

MSD MSD

0.360 F1

DU DU

0.146

Result Qualifier

Result Qualifier

Unit mg/Kg

Unit

Unit

Unit

mg/Kg

mg/Kg

D %Rec 109

Client Sample ID: SGC-070721-PH-10

Client Sample ID: Lab Control Sample

Limits 80 - 120

%Rec.

Client Sample ID: Method Blank

Lab Sample ID: 590-15446-4 MS

Matrix: Solid

Mercury

Mercury

Analysis Batch: 147501

Analysis Batch: 147501

Analyte

Lab Sample ID: 590-15446-4 MSD

0.14 F1

Result Qualifier

Sample Sample

Sample Sample

0.14 F1

Sample Sample

Result Qualifier

MB MB Result Qualifier

ND

Result Qualifier

Added 0.172

Spike

Spike

Added

0.169

Result Qualifier

0.359 F1

mg/Kg

%Rec

127

Limits 80 - 120

80 - 120

Client Sample ID: SGC-070721-PH-10

%Rec.

Client Sample ID: SGC-070721-PH-10

Prep Type: Total/NA **Prep Batch: 147118**

Prep Type: Total/NA **Prep Batch: 147118**

%Rec. **RPD** %Rec Limits **RPD** Limit

Prep Type: Total/NA

Prep Batch: 147118

Prep Type: Total/NA

Prep Batch: 147494

RPD

Limit

Dil Fac

Mercury

Analyte

Matrix: Solid

Lab Sample ID: 590-15446-4 DU

Matrix: Solid

Analysis Batch: 147501

Analyte Mercury

0.14 F1 Lab Sample ID: MB 410-147494/1-A

Matrix: Solid Analysis Batch: 148027

Lab Sample ID: LCS 410-147494/2-A

Matrix: Solid Analysis Batch: 148027

Analyte Mercury

Analyte

Mercury

Client Sample ID: Method Blank

MDL Unit

LCS LCS

0.182

Result Qualifier

RL

0.060

Spike

Added

0.167

mg/Kg

Unit

mg/Kg

Prepared

Analyzed 07/12/21 21:23 07/13/21 18:09

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

7/16/2021

Prep Batch: 147494

%Rec. Limits

Client Sample ID: SGC-070721-PH-07

Date Collected: 07/07/21 09:13 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-1

Matrix: Solid

Job ID: 590-15446-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-07

Date Collected: 07/07/21 09:13 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-1 **Matrix: Solid**

Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		5			147579	07/13/21 10:26	WN7O	ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.60 g	100 mL	147118 147501	07/12/21 05:02 07/12/21 18:50	•	ELLE ELLE

Client Sample ID: SGC-070721-PH-08

Date Collected: 07/07/21 09:25 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-08

Date Collected: 07/07/21 09:25 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-2

Matrix: Solid Percent Solids: 96.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.00 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		250			147579	07/13/21 10:46	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		25			147501	07/12/21 19:36	UEFS	ELLE

Client Sample ID: SGC-070721-PH-09

Date Collected: 07/07/21 09:33

Date Received: 07/08/21 16:15

Lab	Sample	ID:	590-15446-3
			Matrix: Solid

Lab Sample ID: 590-15446-3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-09

Date Collected: 07/07/21 09:33

Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 97.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.44 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		25			148118	07/14/21 09:54	WN7O	ELLE
Total/NA	Prep	7471B			0.64 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:52	UEFS	ELLE

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-10

Date Collected: 07/07/21 09:45 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-4

Matrix: Solid

Job ID: 590-15446-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-10

Date Collected: 07/07/21 09:45 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-4 **Matrix: Solid**

Percent Solids: 97.0

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor 100	Initial Amount 30.15 g	Final Amount 10.0 mL	Batch Number 147394 147579	Prepared or Analyzed 07/12/21 16:10 07/13/21 11:26	Analyst FTV5 WN7O	Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.60 g	100 mL	147118 147501	07/12/21 05:02 07/12/21 18:28	•	ELLE ELLE

Client Sample ID: SGC-070721-PH-11

Date Collected: 07/07/21 09:52 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-11

Date Collected: 07/07/21 09:52 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-5

Matrix: Solid Percent Solids: 97.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.47 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		5			147579	07/13/21 11:46	WN7O	ELLE
Total/NA	Prep	7471B			0.63 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:04	UEFS	ELLE

Client Sample ID: SGC-070721-PH-12

Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-6 Date Collected: 07/07/21 10:14 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-12

Date Collected: 07/07/21 10:14

Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 97.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.31 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		5			147579	07/13/21 12:06	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:40	UEFS	ELLE

Lab Sample ID: 590-15446-6

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-13

Date Collected: 07/07/21 10:18 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-7

Matrix: Solid

Job ID: 590-15446-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-13

Date Collected: 07/07/21 10:18 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-7 **Matrix: Solid**

Percent Solids: 98.3

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor 5	Amount 30.01 g	Final Amount 10.0 mL	Batch Number 147394 147579	Prepared or Analyzed 07/12/21 16:10 07/13/21 12:26		Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.63 g	100 mL	147118 147501	07/12/21 05:02 07/12/21 19:00	•	ELLE ELLE

Initial

Amount

Final

Amount

Dil

Factor

Run

Client Sample ID: SGC-070721-PH-14

Date Collected: 07/07/21 10:33 Date Received: 07/08/21 16:15

Prep Type

Total/NA

Lab Sample ID: 590-15446-8 **Matrix: Solid**

Batch Prepared Number or Analyzed Analyst Lab 147087 07/11/21 14:51 OEL4 ELLE

Analysis Client Sample ID: SGC-070721-PH-14

Batch

Method

Moisture

Batch

Type

Date Collected: 07/07/21 10:33 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-8

Matrix: Solid Percent Solids: 98.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.42 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		25			148118	07/14/21 10:14	WN7O	ELLE
Total/NA	Prep	7471B			0.64 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:53	UEFS	ELLE

Client Sample ID: SGC-070721-PH-15

Lab Sample ID: 590-15446-9 Date Collected: 07/07/21 10:45 **Matrix: Solid** Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-15

Date Collected: 07/07/21 10:45

Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 96.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		25			148118	07/14/21 10:34	WN7O	ELLE
Total/NA	Prep	7471B			0.63 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:02	UEFS	ELLE

Lab Sample ID: 590-15446-9

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-16

Date Collected: 07/07/21 10:46 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-10

Matrix: Solid

Job ID: 590-15446-1

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-16

Date Collected: 07/07/21 10:46 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-10 **Matrix: Solid**

Percent Solids: 98.2

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor 10	Initial Amount 30.22 g	Final Amount 10.0 mL	Batch Number 147394 147579	Prepared or Analyzed 07/12/21 16:10 07/13/21 13:26		Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.62 g	100 mL	147118 147501	07/12/21 05:02 07/12/21 19:43	•	ELLE ELLE

Client Sample ID: SGC-070721-PH-17

Date Collected: 07/07/21 10:52 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-11 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-17

Date Collected: 07/07/21 10:52 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-11 Matrix: Solid Percent Solids: 96.0

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Туре Factor Amount Amount Number or Analyzed Analyst Run Lab 3546 147394 Total/NA Prep 30.23 g 10.0 mL 07/12/21 16:10 FTV5 **ELLE** Total/NA Analysis 8081B 50 147579 07/13/21 15:46 WN7O **ELLE** Total/NA Prep 7471B 0.63 g 100 mL 147118 07/12/21 05:02 UAMX **ELLE** Total/NA 7471B 25 147501 07/12/21 19:38 UEFS **ELLE** Analysis

Client Sample ID: SGC-070721-PH-18

Lab Sample ID: 590-15446-12 Date Collected: 07/07/21 10:59 Matrix: Solid Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-18

Date Collected: 07/07/21 10:59 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-12 **Matrix: Solid** Percent Solids: 99.0

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.22 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		20			147579	07/13/21 16:06	WN7O	ELLE
Total/NA	Prep	7471B			0.64 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:45	UEFS	ELLE

Eurofins TestAmerica, Spokane

Job ID: 590-15446-1

Client: Fulcrum Environmental Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-19

Date Collected: 07/07/21 11:03 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-13

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-19

Date Collected: 07/07/21 11:03 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-13 **Matrix: Solid** Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.32 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		10			147579	07/13/21 16:26	WN7O	ELLE
Total/NA	Prep	7471B			0.65 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:51	UEFS	ELLE

Client Sample ID: SGC-070721-PH-20

Date Collected: 07/07/21 11:15 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-14 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-20

Date Collected: 07/07/21 11:15 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-14 **Matrix: Solid**

Percent Solids: 96.7

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor 50	Amount 30.33 g	Final Amount 10.0 mL	Batch Number 147394 147579	Prepared or Analyzed 07/12/21 16:10 07/13/21 16:46	 Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		2.5	0.63 g	100 mL	147494 148027	07/12/21 21:23 07/13/21 19:40	 ELLE ELLE

Client Sample ID: SGC-070721-PH-21	Lab Sample ID: 590-15446-15
Date Collected: 07/07/21 11:21	Matrix: Solid
Date Received: 07/08/21 16:15	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-21

Date Collected: 07/07/21 11:21

Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.16 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		20			147579	07/13/21 17:06	WN7O	ELLE
Total/NA	Prep	7471B			0.63 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:55	UEFS	ELLE

Eurofins TestAmerica, Spokane

Lab Sample ID: 590-15446-15

Matrix: Solid

Percent Solids: 98.7

Client: Fulcrum Environmental Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-22

Date Collected: 07/07/21 11:25 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-16

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 590-15446-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-22

Date Collected: 07/07/21 11:25 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-16 **Matrix: Solid** Percent Solids: 86.9

Lab Sample ID: 590-15446-17

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor	Initial Amount 30.31 g	Final Amount 10.0 mL	Batch Number 147394 148118	Prepared or Analyzed 07/12/21 16:10 07/14/21 10:54	Analyst FTV5 WN7O	Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.64 g	100 mL	147494 148027	07/12/21 21:23 07/13/21 19:28	UAMX	ELLE ELLE

Client Sample ID: SGC-070721-PH-23

Date Collected: 07/07/21 11:28

Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OFI 4	FLLE	

Client Sample ID: SGC-070721-PH-23

Date Collected: 07/07/21 11:28 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-17 **Matrix: Solid** Percent Solids: 98.7

Lab Sample ID: 590-15446-18

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.10 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		50			147579	07/13/21 17:46	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147494	07/12/21 21:23	UAMX	ELLE
Total/NA	Analysis	7471B		1			148027	07/13/21 19:44	UEFS	ELLE

Client Sample ID: SGC-070721-PH-24

Date Collected: 07/07/21 11:34

Date Received: 07/08/21 16:15

Γ	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147087	07/11/21 14:51	OEL4	ELLE

Client Sample ID: SGC-070721-PH-24

Client Sample ID: SGC-070721-PH-24	Lab Sample ID: 590-15446-18
Date Collected: 07/07/21 11:34	Matrix: Solid
Date Received: 07/08/21 16:15	Percent Solids: 98.0

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.37 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		10			148118	07/14/21 11:14	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:46	UEFS	ELLE

Eurofins TestAmerica, Spokane

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-25

Date Collected: 07/07/21 11:39 Date Received: 07/08/21 16:15

Client: Fulcrum Environmental

Lab Sample ID: 590-15446-19

Matrix: Solid

Job ID: 590-15446-1

Batch Batch Dil Initial Batch Final Prepared Method **Factor** Number or Analyzed **Prep Type** Type Run **Amount Amount** Analyst Lab Total/NA Analysis Moisture 147087 07/11/21 14:51 OEL4 ELLE

Client Sample ID: SGC-070721-PH-25

Date Collected: 07/07/21 11:39 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-19

Matrix: Solid Percent Solids: 98.6

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 3546 8081B	Run	Factor 20	Amount 30.40 g	Final Amount 10.0 mL	Batch Number 147951 148120	Prepared or Analyzed 07/13/21 16:57 07/14/21 09:29	Analyst D7SW WN7O	Lab ELLE ELLE
Total/NA Total/NA	Prep Analysis	7471B 7471B		1	0.64 g	100 mL	147494 148027	07/12/21 21:23 07/13/21 19:33	•	ELLE ELLE

Client Sample ID: SGC-070721-PH-26

Date Collected: 07/07/21 12:02 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-20 **Matrix: Solid**

Batch Batch Dil Initial Final **Batch** Prepared Method Amount Number or Analyzed **Prep Type** Type Run Factor **Amount** Analyst Lab Total/NA Moisture 147087 07/11/21 14:51 OEL4 ELLE Analysis

Client Sample ID: SGC-070721-PH-26

Date Collected: 07/07/21 12:02 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-20

Matrix: Solid Percent Solids: 97.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.11 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B		5			148120	07/14/21 09:40	WN7O	ELLE
Total/NA	Prep	7471B			0.62 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:44	UEFS	ELLE

Client Sample ID: SGC-070721-PH-27

Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-21 Date Collected: 07/07/21 12:14 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147099	07/11/21 15:32	OEL4	ELLE

Client Sample ID: SGC-070721-PH-27

Date Collected: 07/07/21 12:14

Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 97.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.20 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B		10			148120	07/14/21 09:52	WN7O	ELLE
Total/NA	Prep	7471B			0.64 g	100 mL	147494	07/12/21 21:23	UAMX	ELLE
Total/NA	Analysis	7471B		1			148027	07/13/21 19:30	UEFS	ELLE

Lab Sample ID: 590-15446-21

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-28

Date Collected: 07/07/21 12:15 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-22

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147099	07/11/21 15:32	OEL4	ELLE

Client Sample ID: SGC-070721-PH-28

Date Collected: 07/07/21 12:15 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-22 Matrix: Solid

Percent Solids: 98.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.23 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B		50			148120	07/14/21 10:03	WN7O	ELLE
Total/NA	Prep	3546	DL		30.23 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B	DL	100			148120	07/14/21 14:39	WN7O	ELLE
Total/NA	Prep	7471B			0.64 g	100 mL	147494	07/12/21 21:23	UAMX	ELLE
Total/NA	Analysis	7471B		1			148027	07/13/21 19:42	UEFS	ELLE

Client Sample ID: SGC-070721-PH-29

Date Collected: 07/07/21 12:30

Matrix: Solid Date Received: 07/08/21 16:15

Dil Initial Batch Batch Final Batch Prepared **Prep Type** Type Method Run Factor **Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis Moisture 147099 07/11/21 15:32 OEL4 ELLE

Client Sample ID: SGC-070721-PH-29

Date Collected: 07/07/21 12:30 Date Received: 07/08/21 16:15

Lab Sample ID: 590-15446-23 **Matrix: Solid** Percent Solids: 98.1

Lab Sample ID: 590-15446-24

Lab Sample ID: 590-15446-24

Lab Sample ID: 590-15446-23

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.40 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B		10			148120	07/14/21 10:14	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 19:57	UEFS	ELLE

Client Sample ID: SGC-070721-PH-30

Date Collected: 07/07/21 12:31

Date Received: 07/08/21 16:15

Г											
	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture					147099	07/11/21 15:32	OEL4	FLLE	

Client Sample ID: SGC-070721-PH-30

Date Collected: 07/07/21 12:31

Matrix: Solid Date Received: 07/08/21 16:15 Percent Solids: 98.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.07 g	10.0 mL	147951	07/13/21 16:57	D7SW	ELLE
Total/NA	Analysis	8081B		5			148120	07/14/21 10:25	WN7O	ELLE

Eurofins TestAmerica, Spokane

Page 39 of 51

Matrix: Solid

Project/Site: Kinney Sundance General Consulting

Client Sample ID: SGC-070721-PH-30

Date Collected: 07/07/21 12:31 Date Received: 07/08/21 16:15 Lab Sample ID: 590-15446-24 **Matrix: Solid** Percent Solids: 98.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.65 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:54	UEFS	ELLE

Client Sample ID: SGC-070721-PH-31

Lab Sample ID: 590-15446-25 Matrix: Solid

Date Collected: 07/07/21 13:03 Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	Moisture		1			147099	07/11/21 15:32	OEL4	ELLE	

Client Sample ID: SGC-070721-PH-31

Lab Sample ID: 590-15446-25 Date Collected: 07/07/21 13:03 **Matrix: Solid**

Date Received: 07/08/21 16:15 Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		10			147579	07/13/21 18:26	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:48	UEFS	ELLE

Client Sample ID: SGC-070721-PH-32

Lab Sample ID: 590-15446-26 Date Collected: 07/07/21 13:15 **Matrix: Solid**

Date Received: 07/08/21 16:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			147099	07/11/21 15:32	OEL4	ELLE

Client Sample ID: SGC-070721-PH-32

Lab Sample ID: 590-15446-26 Date Collected: 07/07/21 13:15 **Matrix: Solid** Date Received: 07/08/21 16:15 Percent Solids: 97.7

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.34 g	10.0 mL	147394	07/12/21 16:10	FTV5	ELLE
Total/NA	Analysis	8081B		10			147579	07/13/21 18:46	WN7O	ELLE
Total/NA	Prep	7471B			0.61 g	100 mL	147118	07/12/21 05:02	UAMX	ELLE
Total/NA	Analysis	7471B		1			147501	07/12/21 18:42	UEFS	ELLE

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance General Consulting

Job ID: 590-15446-1

Laboratory: Eurofins Lancaster Laboratories Env, LLC

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

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	1.01	11-30-22
Alaska	State	PA00009	06-30-22
Alaska (UST)	State	17-027	02-28-22
Arizona	State	AZ0780	03-12-22
Arkansas DEQ	State	19-053-0	08-09-21
California	State	2792	02-02-22
Colorado	State	PA00009	07-30-21
Connecticut	State	PH-0746	07-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	019-006 (PA cert)	01-31-22
Delaware (DW)	State	N/A	02-01-22
Florida	NELAP	E87997	06-30-22
Hawaii	State	N/A	01-31-22
Illinois	NELAP	004559	01-31-22
lowa	State	361	03-02-22
Kansas	NELAP	E-10151	10-31-21
Kentucky (DW)	State	KY90088	01-01-22
Kentucky (UST)	State	1.01	11-30-22
Kentucky (WW)	State	KY90088	12-31-21
Louisiana	NELAP	02055	06-30-22
Maine	State	2019012	03-12-22
Maryland	State	100	06-30-22
Massachusetts	State	M-PA009	06-30-22
	State	9930	01-31-22
Michigan Minnesota	NELAP	042-999-487	12-31-21
	State		
Missouri	State	450	01-31-22
Montana (DW)		0098 0098	01-01-22
Montana (UST)	State		01-01-22
Nebraska	State	NE-OS-32-17	01-31-22
Nevada	State	PA000092019-3	07-31-21
New Hampshire	NELAP	273019	01-10-22
New Jersey	NELAP	PA011	06-30-22
New York	NELAP	10670	04-01-22
North Carolina (DW)	State	42705	07-31-21
North Carolina (WW/SW)	State	521	12-31-21
North Dakota	State	R-205	01-31-22
Oklahoma	NELAP	R-205	08-31-21
Oregon	NELAP	PA200001-018	09-12-21
PALA	Canada	1978	09-16-24
Pennsylvania	NELAP	36-00037	01-31-22
Rhode Island	State	LAO00338	01-31-22
South Carolina	State	89002002	01-31-22
Tennessee	State	02838	01-31-22
Texas	NELAP	T104704194-20-38	08-31-21
Jtah	NELAP	PA000092019-16	03-01-22
Vermont	State	VT - 36037	10-29-21
Virginia	NELAP	10561	06-14-22
Washington	State	C457	04-12-22
West Virginia (DW)	State	9906 C	12-31-21
West Virginia DEP	State	055	09-30-22
Wyoming	State	8TMS-L	01-31-22

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7/16/2021

Accreditation/Certification Summary

Client: Fulcrum Environmental Job ID: 590-15446-1

Project/Site: Kinney Sundance General Consulting

Laboratory: Eurofins Lancaster Laboratories Env, LLC (Continued)

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

Authority	Program	Identification Number	Expiration Date
Wyoming (UST)	A2LA	1.01	11-30-22

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Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance General Consulting

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	ELLE
7471B	Mercury (CVAA)	SW846	ELLE
Moisture	Percent Moisture	EPA	ELLE
3546	Microwave Extraction	SW846	ELLE
7471B	Preparation Mercury	SW846	FILE

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Env, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Job ID: 590-15446-1

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Chain of Custody Record

															TestAmerica	Laboratories	i, Inc
Client Contact	Project Ma	nager 50	ottle	Dax		Site	Con	itact:		Date	::				COC No:	2	
Fulcrum Environmental Consulting, Inc.	Tel/Fax:					Lab	Co	itact:		Car	rier:				of	→ COCs	4
207 West Boone Avenue		Analysis T	u rna round	Time			8								Job No.		
Spokane, WA 99201	Calenda	(C) or Wo	ork Days (W	<i>/</i>)			2907										5
(509) 459-9220 Phone	TA	T if different f	rom Below _	3 Da	y		3										
(509) 459-9219 FAX		2	weeks	•			ا ځ								SDG No.		6
Project Name: Kinney Sundava beneral Consult	Ny 🗆	1	week				2	50									
Site:	1.4	2	2 days			Ž	8	3									
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Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaC Possible Hazard Identification	H; 6= Othe	<u> </u>				٦,	-	olo Diagonal (A foo may						longer than 1 i		
Non-Hazard Flammable Skin Irritant	Poison	, 🗆	Unknown	. 🗀		٦		Return To Cli	iont I	Dispo	ssed ir	sampre		rtaineo Archive			
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Chain of Custody Record

TestAmerica Laboratories, Inc COC No: Site Contact: Date: Project Manager: **Client Contact** COCs Tel/Fax: Lab Contact: Carrier: Fulcrum Environmental Consulting, Inc. Job No. **Analysis Turnaround Time** 207 West Boone Avenue Calendar (C) or Work Days (W) Spokane, WA 99201 TAT if different from Below (509) 459-9220 Phone SDG No. (509) 459-9219 **FAX** 2 weeks Project Name: 1 week Site: 2 days PO# I day Sample Sample Sample Date Time Type Matrix Cont. Sample Specific Notes: Sample Identification 30 Preservation Used: 1= lce, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other Possible Hazard Identification
Non-Hazard Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Month Archive For Poison B Unknown Skin Irritant Flammable Months Special Instructions/QC Requirements & Comments: Company: Date/Time: Relinquished by: Received by: Date/Time: Company: 4/Cru 7/14 /115 Date/Time: Relinquished by: Date/Time: Received by: Company: Relinquished by: Date/Time: Date/Time: Received by: Company: Company:





																			ica La	aborato	ories, Inc
Client Contact	Project Mana	ger:				Site Co	tact:				Da	te:					CO	C No:			
Fulcrum Environmental Consulting, Inc.	Tel/Fax:				1	Lab Co	tact:				Ca	rrier:							of	_ COC	2s
207 West Boone Avenue		alysis Tu				200					1		1 1				Job	No.			
Spokane, WA 99201	Calendar (C	C) or Worl	k Days (W)		美				1. 1		-									
(509) 459-9220 Phone	TAT if	different fro	m Below 🔔	5 Da	4	E															
(509) 459-9219 FAX		2 v	veeks			7											SDO	G No.			
Project Name:		l v	veek																		
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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=Na Possible Hazard Identification	OII, C Cuici	·	-			Sam	ole Disp	osal (A fee	may t	e ass	essed	if san	ples	are re	etaine	ed lone	ger tha	n 1 m	onth)	
Non-Hazard Flammable Skin Irritant	Poison B		Inknown	. 🗀			Return				Disp	osal B	v Lab				ve For			Months	,
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Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record



🕸 eurofins

Environment Testing America

7/16/2021

Phone: 509-924-9200 Fax: 509-924-9290																					
Client Information (Sub Contract Lab)	Sampler:			Lab PM Arring	ton, i	Ranc	dee E						cking No(s	3):		COC No: 590-6122.1					
Client Contact: Shipping/Receiving	Phone:				ee.Ar				finset.co			tate of Or Vashing				Page: Page 1 of 3					
Shipping/Receiving Company: Eurofins Lancaster Laboratories Environm									(See note): ishington							Job #: 590-15446-1					
Address: 2425 New Holland Pike, ,	Due Date Requeste 7/14/2021								Ana	ysis l	Requ	ested				Preservation Co	odes: M - Hexane				
City: Lancaster State, Zip:	TAT Requested (da	ays):														B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S					
Phone:	PO #:															E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3				
717-656-2300(Tel) Email:	WO#:				or No)											G - Amchlor H - Ascorbic Acid I - Ice J - DI Water	S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA				
Project Name: Kinney Sundance General Consulting	Project #: 59001922				3 2	8081B IIs	rcuny	sture							containers	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)				
Site:	SSOW#:			ered Sample (MS/MSD (Yes	ndard	rep Me	nt Mol						of co	Other:							
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Type (w-	atrix =water, rsolid, raste/oil, sue, A=Air)	Field Filtered Perform MS/M	8081B/3546 Standard 8081B list	7471B/7471B_Prep Mercury	Moisture/ Percent Molsture							Total Number		Instructions/Note:				
		$\geq \leq$	Preservation C	Code:	\propto		1 60								X						
SGC-070721-PH-07 (590-15446-1)	7/7/21	09:13 Pacific	s	iolid	\perp	X	X	X		Ш					1						
SGC-070721-PH-08 (590-15446-2)	7/7/21	09:25 Pacific	s	olid		X	X	X							1						
SGC-070721-PH-09 (590-15446-3)	7/7/21	09:33 Pacific	s	olid		×	×	×							1						
SGC-070721-PH-10 (590-15446-4)	7/7/21	09:45 Pacific	s	olid		×	×	X							1		-				
SGC-070721-PH-11 (590-15446-5)	7/7/21	09:52 Pacific	s	Solid		X	×	X							1						
SGC-070721-PH-12 (590-15446-6)	7/7/21	10:14 Pacific	s	Solid	\perp	X	×	X							1						
SGC-070721-PH-13 (590-15446-7)	7/7/21	10:18 Pacific	s	Solid	\perp	×	×	×							1						
SGC-070721-PH-14 (590-15446-8)	7/7/21	10:33 Pacific	s	Solid	\perp	×	×	×							1						
SGC-070721-PH-15 (590-15446-9)	7/7/21	10:45 Pacific	s	olid		×	×	×							1						
Note: Since laboratory accreditations are subject to change, Eurofins TestAmeric maintain accreditation in the State of Origin listed above for analysis/tests/matrix TestAmerica attention immediately. If all requested accreditations are current to	being analyzed, the s	amples must b	e shipped back to the	Eurofins T	TestArr	merica	a labora	atory or	or other inst	es. This tructions	sample will be	shipment provided.	is forward Any chan	ded under changes to accre	iain-of editati	f-custody. If the labo ion status should be	pratory does not currently brought to Eurofins				
Possible Hazard Identification					Sa					e may	\neg			les are re		ned longer than	•				
Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2		Sr				Client ons/QC F	Require		sposal E s:	ly Lab		Arch	hive For	Months				
Empty Kit Relinquished by:		Date:			Time:):						Meth	nod of Ship	ment:	_						
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Relinquished by:	Date/Time:		Compa	any		Rec	ceived	by:		7	V	7	Dat	7/10/	21	0934	Company				
Custody Seals Intact: Custody Seal No.:					4	Coc	oler Ter	mpera	ature(s) °C	and Oth	er Rema	arks:		1		417					

Page 47 of 51

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206 **Chain of Custody Record**

eurofins	

Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290																					
Client Information (Sub Contract Lab)	Sampler:			Lab Arri	PM: ngton	ı, Ra	ndee	E					Carr	ier Trac	king No	o(s):			COC No: 590-6122.2		
Client Contact: Shipping/Receiving	Phone:			E-Mar Rar		Arrin	gton	@Eu	ırofin:	set.c	om			of Original					Page: Page 2 of 3		
Company: Eurofins Lancaster Laboratories Environm										ee note									Job #: 590-15446-1		
Address: 2425 New Holland Pike,	Due Date Requeste 7/14/2021	ed:								Ana	alvsi	is Re	que	sted				7	Preservation Code		
City:	TAT Requested (da	ıys):			h		T	Т							Т	Т			A - HCL B - NaOH	M - Hexane N - None	
Lancaster														Н			1 1		C - Zn Acetate	O - AsNaO2	
State, Zip: PA, 17601																		100	D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3	
Phone: 717-656-2300(Tel)	PO#:																	233	F - MeOH G - Amchior	R - Na2S2O3 S - H2SO4 T - TSP Dodecahydra	
Email:	WO #:				or No	<u>©</u>	lst											100	H - Ascorbic Acid I - Ice J - DI Water	U - Acetone V - MCAA	8
Project Name:	Project #: 59001922				Sample (Yes or	2		è	e l									ě l	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)	
Kinney Sundance General Consulting Site:	SSOW#:				를	اڠ	08 p	Merc	lolst									contai	Other:		
			,		Sar	4SD	ındar	rep	ant M					1 1			1 1	2			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time		Matrix (W-water, S-solid, O-waste/oil, BT-Tissue, A-At	Field Filtered	Perform MS/MSD (Yes or No)	8081B/3546 Standard 8081B	7471B/7471B_Prep Mercury	Moisture/ Percent Moisture									Total Number	Special Ins	structions/Note:	
		10:46	Preserva	tion Code:	X	XI.	-		366								1	¥			
SGC-070721-PH-16 (590-15446-10)	7/7/21	10:46 Pacific		Solid	Ш		×	×	X				\perp		\perp			1			
SGC-070721-PH-17 (590-15446-11)	7/7/21	10:52 Pacific		Solid			×	×	×									1			
SGC-070721-PH-18 (590-15446-12)	7/7/21	10:59 Pacific		Solid	П		x	x	x									1			
SGC-070721-PH-19 (590-15446-13)	7/7/21	11:03 Pacific		Solid			х	х	х									1			
SGC-070721-PH-20 (590-15446-14)	7/7/21	11:15 Pacific		Solid			х	х	x									1			
SGC-070721-PH-21 (590-15446-15)	7/7/21	11:21 Pacific		Solid			х	х	х									1			
SGC-070721-PH-22 (590-15446-16)	7/7/21	11:25 Pacific		Solid			х	Х	х									1			
SGC-070721-PH-23 (590-15446-17)	7/7/21	11:28 Pacific		Solid			х	х	х									1			
SGC-070721-PH-24 (590-15446-18)	7/7/21	11:34 Pacific_		Solid	Ш		х	х	х									1			
Note: Since laboratory accreditations are subject to change, Eurofins Tes maintain accreditation in the State of Origin listed above for analysis/tests TestAmerica attention immediately. If all requested accreditations are cu	s/matrix being analyzed, the s	amples must b	e shipped bac	k to the Eurofin	is Test	Ameri	ca lat	orato	ry or o	other in	ries. T	This sai	mple sh Il be pro	ipment ovided.	is forwa Any ch	arded und anges to	der chair accredi	n-of-c tation	custody. If the labora n status should be bro	tory does not currently ought to Eurofins	
Possible Hazard Identification																			d longer than 1	•	
Unconfirmed	Drieson, Deliver	abla Baalii	2		-				To C				Disp	osal B	y Lab		<u> </u>	rchi	ve For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:				Spec	ciai ir	ารเทน	Clion	is/QC	Req	uirem	ients:								
Empty Kit-Relinquished by:		Date:			Tim	ne:								Metho	od of St	nipment:					
Relinquished by:	Date/Time:	14	35	Company	8	7 (Receiv	red by:							D	ate/Time	21			Company	
Relinquished by:	Date/nme:			Company	-4-	F	Receiv	ed by	:						0	ate/Time	1			Company	
Relinquished by:	Date/Time:			Company	_	F	Receiv	ed by	:		7	1	R		Q	ale/Time	1/2	7	1924	Company	
Custody Seals Intact: Custody Seal No.:	0.21.2	Salah Salah M			19.15	C	Cooler	Temp	peratur	re(s) °	C and	Other	Remark	s:	descho	1/10	1		0101	VIV	
A Vos. A No.										-1-1				434		/			17.		

Ver: 11/01/2020

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record

	eurofins	
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Environment Testing America

hone: 509-924-9200 Fax: 509-924-9290																			
lient Information (Sub Contract Lab)	Sampler:				ngton	ı, Ra	ndee	Ε						ng No(s):			COC No: 590-6122.3		
lent Contact: hipping/Receiving	Phone:			E-Ma Ran	dee./					set.com			of Original of Ori				Page: Page 3 of 3		
ompany: curofins Lancaster Laboratories Environm										e note): ington							Job #: 590-15446-1		
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425 New Holland Pike, ,	7/14/2021				4	_				Analys	is R	eque	sted					M - Hexane	
ity: ancaster	TAT Requested (da	ys):					- 1											N - None O - AsNaO2	
tate, Zip:							-			1 1						576	D - Nitric Acid	P - Na2O4S Q - Na2SO3	
PA. 17601	PO #:				Ш			- 1									F - MeOH	R - Na2S2O3	
hone: 217-656-2300(Tel)	FO #.				2		-				- 1	1	11					S - H2SO4 T - TSP Dodeca	ahvdrate
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roject Name:	Project#:				ple (Yes or	8	98	\$	2							aine.		W - pH 4-5 Z - other (speci	ify)
(inney Sundance General Consulting	59001922 SSOW#:				움	اعٌ	8 P	Merc	oistr							contr	Other:		
					Sam	SD	ndar	g l	m I					1 1		6			
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab) si		誾	Perform MS/N	8081B/3546 Standard 8081B list	7471B/7471B_Prep Mercury	Moisture/ Percent Moisture							Total Number	Special ins	tructions/No	ote:
		11:39	Preservation		P	4					200			++		A			
SGC-070721-PH-25 (590-15446-19)	7/7/21	Pacific		Solid	Ц	\perp	×	×	X					\perp		1			
SGC-070721-PH-26 (590-15446-20)	7/7/21	12:02 Pacific		Solid	Ш		x	×	х							1			
SGC-070721-PH-27 (590-15446-21)	7/7/21	12:14 Pacific		Solid	Ш		x	x	x							1			
SGC-070721-PH-28 (590-15446-22)	7/7/21	12:15 Pacific		Solid	Ш		x	x	x							1			
SGC-070721-PH-29 (590-15446-23)	7/7/21	12:30 Pacific		Solid	Ш		х	X	x							1			
SGC-070721-PH-30 (590-15446-24)	7/7/21	12:31 Pacific		Solid	Ш		х	x	x							1			
SGC-070721-PH-31 (590-15446-25)	7/7/21	13:03 Pacific		Solid	Ц		x	x	x							1			
SGC-070721-PH-32 (590-15446-26)	7/7/21	13:15 Pacific		Solid	Ц	1	x	X	×			\perp				1			
					П														
Note: Since laboratory accreditations are subject to change, Eurofins TestAmeric maintain accreditation in the State of Origin listed above for analysis/tests/matrix TestAmerica attention immediately. If all requested accreditations are current to	being analyzed, the sa	amples must be	e shipped back to	the Eurofin	s Test	Amer	ica lat	orato	ry or o										
Possible Hazard Identification					-	Sam	ple L	Disp	osal	A fee n	ay b	asse	ssed if	sample	s a <u>re r</u> e	taine	ed longer than 1 i	nonth)	
Unconfirmed							Re	turn	To C	lient		Disp	osal By	Lab	Ш,	Archi	ive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank: 2	2		1	Spec	cial Ir	nstru	ctions	/QC Re	quiren	nents:							
Empty Kit Relinquished by:		Date:			Tim	ne:	-						Method	of Shipme	ent:	-			
Relinguished by:	Date/Time:	1 14		ompany	P	2	Receiv	ed by	r:					Date/1	Time:			Company	
Relinduished by:	Date/Tirire:		C	ompany	ىن	F	Receiv	ed by	r:					Date/1	îlme:			Company	
Relinquished by:	Date/Dime.		С	ompany		F	Receiv	red by			V	VŦ	2_	Date/	ime:]	31	0934	Company	-
Custody Seals Intact: Custody Seal No.:	174					C	Cooler	Temp	peratur	e(s) °C and	Other	Remark	s:		10	4	2	- 400	T-WA

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7/16/2021

Client: Fulcrum Environmental

Job Number: 590-15446-1

Login Number: 15446

List Number: 1

Creator: Arrington, Randee E

List Source: Eurofins TestAmerica, Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Not requested on COC.
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	

Client: Fulcrum Environmental

Job Number: 590-15446-1

List Source: Eurofins Lancaster Laboratories Env, LLC Login Number: 15446 List Number: 2

List Creation: 07/10/21 09:45 AM

Creator:	Hess,	Anna

Creator. 11655, Allila		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal is 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 (=6C, not frozen).</td <td>True</td> <td></td>	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (=6C, not frozen).</td <td>N/A</td> <td></td>	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	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	
There is sufficient vol. for all requested analyses.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	N/A	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample Preservation Verified.	N/A	
Residual Chlorine Checked.	N/A	
Sample custody seals are intact.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15612-1

Client Project/Site: Kinney Sundance Soil

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 8/9/2021 4:12:57 PM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil Laboratory Job ID: 590-15612-1

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Method Summary	13
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Receint Checklists	16

Case Narrative

Client: Fulcrum Environmental Job ID: 590-15612-1 Project/Site: Kinney Sundance Soil

Job ID: 590-15612-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 8/4/2021 2:33 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.6° C.

Metals

Method 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-32668 and analytical batch 590-32689 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7471B: The sample duplicate (DUP) precision for preparation batch 590-32668 and analytical batch 590-32689 was outside control limits. Sample matrix interference is suspected.

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.

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundance Soil

Job ID: 590-15612-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-15612-1	SGC-080421-89-1.5	Solid	08/04/21 09:30	08/04/21 13:05
590-15612-2	SGC-080421-90-1.5	Solid	08/04/21 09:32	08/04/21 13:05
590-15612-3	SGC-080421-91-1.5	Solid	08/04/21 09:33	08/04/21 13:05
590-15612-4	SGC-080421-92-1.5	Solid	08/04/21 09:36	08/04/21 13:05
590-15612-5	SGC-080421-93-1.5	Solid	08/04/21 09:38	08/04/21 13:05
590-15612-6	SGC-080421-94-1.5	Solid	08/04/21 09:41	08/04/21 13:05
590-15612-7	SGC-080421-95-1.5	Solid	08/04/21 11:36	08/04/21 13:05
590-15612-8	SGC-080421-96-1.5	Solid	08/04/21 11:37	08/04/21 13:05
590-15612-9	SGC-080421-97-1.5	Solid	08/04/21 11:42	08/04/21 13:05
590-15612-10	SGC-080421-98-1.5	Solid	08/04/21 11:44	08/04/21 13:05
590-15612-11	SGC-080421-99-1.5	Solid	08/04/21 11:45	08/04/21 13:05
590-15612-12	SGC-080421-100-1.5	Solid	08/04/21 11:49	08/04/21 13:05
590-15612-13	SGC-080421-404-1.5	Solid	08/04/21 09:43	08/04/21 13:05

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15612-1

Project/Site: Kinney Sundance Soil

Qualifiers

Metals

Qualifier Qualifier Description

F1 MS and/or MSD recovery 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
CFU Colony Forming Unit
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)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent
POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive
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)

TNTC Too Numerous To Count

- 0

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Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil

Client Sample ID: SGC-080421-89-1.5

Date Collected: 08/04/21 09:30 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-1

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac 38 08/06/21 12:31 08/09/21 13:42 Hg 95 F1 ug/Kg

Client Sample ID: SGC-080421-90-1.5

Date Collected: 08/04/21 09:32 Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-2

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg 50 ug/Kg 08/06/21 12:31 08/09/21 13:52 110

Client Sample ID: SGC-080421-91-1.5

Date Collected: 08/04/21 09:33 Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-3

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit D Prepared Analyzed Dil Fac 39 08/06/21 12:31 08/09/21 13:55 Hg ND ug/Kg

Client Sample ID: SGC-080421-92-1.5 Lab Sample ID: 590-15612-4

Date Collected: 08/04/21 09:36

Date Received: 08/04/21 13:05

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg ND 40 08/06/21 12:31 08/09/21 13:57 ug/Kg

Client Sample ID: SGC-080421-93-1.5

Date Collected: 08/04/21 09:38 Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-5

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 47 Hg ND ug/Kg 08/06/21 12:31 08/09/21 14:00

Client Sample ID: SGC-080421-94-1.5

Date Collected: 08/04/21 09:41 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-6 **Matrix: Solid**

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 40 08/06/21 12:31 08/09/21 14:08 Hg ND ug/Kg

Client Sample ID: SGC-080421-95-1.5

Date Collected: 08/04/21 11:36 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-7

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared Hg ND 41 ug/Kg 08/06/21 12:31 08/09/21 14:10

Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil

Client Sample ID: SGC-080421-96-1.5

Date Collected: 08/04/21 11:37

Lab Sample ID: 590-15612-8

Matrix: Solid

Matrix: Solid

Matrix: Solid

Method: 7471B - Mercury (CVAA)

Date Received: 08/04/21 13:05

Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac 48 08/06/21 12:31 08/09/21 14:13 Hg ND ug/Kg

Client Sample ID: SGC-080421-97-1.5

Lab Sample ID: 590-15612-9 Date Collected: 08/04/21 11:42 **Matrix: Solid**

Date Received: 08/04/21 13:05

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit

Prepared Analyzed Dil Fac Hg ND 45 ug/Kg 08/06/21 12:31 08/09/21 14:15

Client Sample ID: SGC-080421-98-1.5 Lab Sample ID: 590-15612-10

Date Collected: 08/04/21 11:44 Date Received: 08/04/21 13:05

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 08/06/21 12:31 08/09/21 14:18 Hg ND 46 ug/Kg

Client Sample ID: SGC-080421-99-1.5 Lab Sample ID: 590-15612-11

Date Collected: 08/04/21 11:45

Date Received: 08/04/21 13:05

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Hg ND 42 08/06/21 12:31 08/09/21 14:20 ug/Kg

Client Sample ID: SGC-080421-100-1.5 Lab Sample ID: 590-15612-12

Date Collected: 08/04/21 11:49

Matrix: Solid Date Received: 08/04/21 13:05

Method: 7471B - Mercury (CVAA)

RL Analyte Result Qualifier **MDL** Unit D Prepared Analyzed Dil Fac 50 Hg ND ug/Kg 08/06/21 12:31 08/09/21 14:23

Client Sample ID: SGC-080421-404-1.5

Lab Sample ID: 590-15612-13 Date Collected: 08/04/21 09:43 **Matrix: Solid**

Date Received: 08/04/21 13:05

Method: 7471B - Mercury (CVAA) Analyte Result Qualifier RL MDL Unit Prepared Dil Fac 40 Hg ND ug/Kg 08/06/21 12:31 08/09/21 14:25

QC Sample Results

Client: Fulcrum Environmental Job ID: 590-15612-1

Project/Site: Kinney Sundance Soil

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-32668/9-A

Matrix: Solid

Analyte

Hg

Hg

Analysis Batch: 32689

MB MB

Result Qualifier

ND

Sample Sample

95 F1

Sample Sample

95 F1

Sample Sample

Result Qualifier

Result Qualifier

RL 50 **MDL** Unit ug/Kg **Prepared**

Analyzed 08/06/21 12:31 08/09/21 13:40

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 32668

Prep Type: Total/NA

Prep Batch: 32668

Dil Fac

Client Sample ID: Method Blank

Lab Sample ID: LCS 590-32668/8-A

Matrix: Solid

Analysis Batch: 32689

Analyte

Spike Added 200

Spike

Added

200

Spike

Added

200

LCS LCS 192

MS MS

214 F1

MSD MSD

217 F1

DU DU

ND

Result Qualifier

Result Qualifier

Result Qualifier

Result Qualifier

Unit ug/Kg

Unit

Unit

Unit

ug/Kg

D

ug/Kg

D %Rec 96

%Rec. Limits 80 - 120

Lab Sample ID: 590-15612-1 MS Client Sample ID: SGC-080421-89-1.5

Matrix: Solid

Analyte

Analysis Batch: 32689

Analyte Hg

Lab Sample ID: 590-15612-1 MSD **Matrix: Solid**

Analysis Batch: 32689

Hg Lab Sample ID: 590-15612-1 DU

Matrix: Solid Analysis Batch: 32689

Result Qualifier **Analyte** Hg 95 F1

Prep Type: Total/NA Prep Batch: 32668

%Rec. Limits

80 - 120 ug/Kg

%Rec

Client Sample ID: SGC-080421-89-1.5 Prep Type: Total/NA

Prep Batch: 32668 %Rec. **RPD**

%Rec Limits **RPD** Limit 80 - 120

Client Sample ID: SGC-080421-89-1.5

Prep Type: Total/NA Prep Batch: 32668

RPD RPD Limit NC 20

Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil

Client Sample ID: SGC-080421-89-1.5

Date Collected: 08/04/21 09:30 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.66 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 13:42	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-90-1.5

Date Collected: 08/04/21 09:32 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-2

Matrix: Solid

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 7471B 7471B	Run	Dil Factor	Initial Amount 0.50 g	Final Amount 50 mL	Batch Number 32668 32689	Prepared or Analyzed 08/06/21 12:31 08/09/21 13:52	Analyst AMB	Lab TAL SPK TAL SPK
Total/NA	Analysis	Moisture		1			32630			TAL SPK

Client Sample ID: SGC-080421-91-1.5

Date Collected: 08/04/21 09:33

Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.64 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 13:55	AMB	TAL SP
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SP

Client Sample ID: SGC-080421-92-1.5

Date Collected: 08/04/21 09:36

Date Received: 08/04/21 13:05

_ab Sample ID: 590-15	5612-4
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Lab Sample ID: 590-15612-5

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.62 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 13:57	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-93-1.5

Date Collected: 08/04/21 09:38

Date Received: 08/04/21 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.53 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:00	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KB7	TAL SPK

Eurofins TestAmerica, Spokane

Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil

Client Sample ID: SGC-080421-94-1.5

Date Collected: 08/04/21 09:41 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-6

Matrix: Solid

Job ID: 590-15612-1

Batch Batch Dil Initial Batch Final Prepared **Prep Type** Method Factor Number or Analyzed Analyst Type Run Amount Amount Lab Total/NA 7471B 32668 08/06/21 12:31 AMB TAL SPK Prep 0.62 g 50 mL Total/NA 32689 7471B 08/09/21 14:08 AMB TAL SPK Analysis 1 Total/NA Analysis Moisture 1 32630 08/04/21 15:44 KBZ TAL SPK

Client Sample ID: SGC-080421-95-1.5

Date Collected: 08/04/21 11:36 Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-7

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.61 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:10	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-96-1.5

Date Collected: 08/04/21 11:37 Date Received: 08/04/21 13:05 Lab Sample ID: 590-15612-8

Lab Sample ID: 590-15612-10

Matrix: Solid

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.52 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:13	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-97-1.5

Date Collected: 08/04/21 11:42 Date Received: 08/04/21 13:05

Lab Sample ID: 590-15612-9 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.56 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:15	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-98-1.5

Date Collected: 08/04/21 11:44

Date Received: 08/04/21 13:05

Prep Type	Batch	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Type Prep	7471B	Kuii	-actor	0.54 g	50 mL	32668	08/06/21 12:31	Amaiyst	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:18	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Eurofins TestAmerica, Spokane

Lab Chronicle

Client: Fulcrum Environmental Job ID: 590-15612-1

Project/Site: Kinney Sundance Soil

Client Sample ID: SGC-080421-99-1.5

Lab Sample ID: 590-15612-11 Date Collected: 08/04/21 11:45 **Matrix: Solid**

Date Received: 08/04/21 13:05

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.59 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:20	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-100-1.5

Lab Sample ID: 590-15612-12 Date Collected: 08/04/21 11:49 **Matrix: Solid**

Date Received: 08/04/21 13:05

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.50 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:23	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Client Sample ID: SGC-080421-404-1.5

Lab Sample ID: 590-15612-13 Date Collected: 08/04/21 09:43 **Matrix: Solid**

Date Received: 08/04/21 13:05

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.63 g	50 mL	32668	08/06/21 12:31	AMB	TAL SPK
Total/NA	Analysis	7471B		1			32689	08/09/21 14:25	AMB	TAL SPK
Total/NA	Analysis	Moisture		1			32630	08/04/21 15:44	KBZ	TAL SPK

Laboratory References:

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

Accreditation/Certification Summary

Client: Fulcrum Environmental Job ID: 590-15612-1

Project/Site: Kinney Sundance Soil

Laboratory: Eurofins TestAmerica, Spokane

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

Authority	Pro	ogram	Identification Number	Expiration Date
Washington	Sta	ate	C569	01-06-22
The following analyte	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for whi
the agency does not	•	· · · · · · · · · · · · · · · · · · ·	gg	
the agency does not of Analysis Method	•	Matrix	Analyte	
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Method Summary

Client: Fulcrum Environmental Project/Site: Kinney Sundance Soil

Job ID: 590-15612-1

Method	Method Description	Protocol	Laboratory
7471B	Mercury (CVAA)	SW846	TAL SPK
Moisture	Percent Moisture	EPA	TAL SPK
7471B	Preparation, Mercury	SW846	TAL SPK

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

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Chain of Custody Record



					-							4		TestAmerica	Laboratori	es. Inc
Client Contact	Project Mana	ager: 5/	0+4 /2	MOKIT		Site Conta	ct:			Date:	5/4	/21		COC No:	^	
Fulcrum Environmental Consulting, Inc.	Tel/Fax:					Lab Conta	ct;			Carrie	r:			of_	COCs	
207 West Boone Avenue	Aı	nalysis Tu	rnaround	Time		韓								Job No.		
Spokane, WA 99201	Calendar (C) or Wor	rk Days (W)												
(509) 459-9220 Phone	TAT	f different fr	om Below 🗵	3-1)a	4											
(509) 459-9219 FAX		2	weeks	<	J									SDG No.		
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Chain of Custody Record

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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=Na	OH; 6= Other	r																
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Client: Fulcrum Environmental

Job Number: 590-15612-1

Login Number: 15612

15612

List Source: Eurofins TestAmerica, Spokane

List Number: 1 Creator: Irons, Nicole M

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
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	



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 590-15315-1

Client Project/Site: Kinney Sundace Mercury Soil Sampling

For:

Fulcrum Environmental 207 West Boone Avenue Spokane, Washington 99201

Attn: Scott Groat

Langue trington

Authorized for release by: 6/21/2021 1:33:23 PM

Randee Arrington, Lab Director (509)924-9200

Randee.Arrington@Eurofinset.com

.....LINKS

Review your project results through Total Access

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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Definitions	5
Client Sample Results	6
QC Sample Results	8
Chronicle	9
Certification Summary	13
Method Summary	
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Receipt Checklists	19

Case Narrative

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Job ID: 590-15315-1

Laboratory: Eurofins TestAmerica, Spokane

Narrative

Receipt

The samples were received on 6/16/2021 3:51 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 9.7° C.

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

General Chemistry

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

Job ID: 590-15315-1

Sample Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
590-15315-1	SGC-061621-77-1.5	Solid	06/16/21 10:01	06/16/21 15:51	
590-15315-2	SGC-061621-78-1.5	Solid	06/16/21 10:03	06/16/21 15:51	
590-15315-3	SGC-061621-79-1.5	Solid	06/16/21 10:04	06/16/21 15:51	
590-15315-4	SGC-061621-80-1.5	Solid	06/16/21 10:05	06/16/21 15:51	
590-15315-5	SGC-061621-81-1.5	Solid	06/16/21 10:06	06/16/21 15:51	
590-15315-6	SGC-061621-82-1.5	Solid	06/16/21 10:07	06/16/21 15:51	
590-15315-7	SGC-061621-83-1.5	Solid	06/16/21 11:15	06/16/21 15:51	
590-15315-8	SGC-061621-84-1.5	Solid	06/16/21 11:16	06/16/21 15:51	
590-15315-9	SGC-061621-85-1.5	Solid	06/16/21 11:18	06/16/21 15:51	
590-15315-10	SGC-061621-86-1.5	Solid	06/16/21 11:19	06/16/21 15:51	
590-15315-11	SGC-061621-87-1.5	Solid	06/16/21 11:20	06/16/21 15:51	
590-15315-12	SGC-061621-88-1.5	Solid	06/16/21 11:21	06/16/21 15:51	

Job ID: 590-15315-1

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Definitions/Glossary

Client: Fulcrum Environmental Job ID: 590-15315-1

Project/Site: Kinney Sundace Mercury Soil Sampling

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 CFU Colony Forming Unit CNF Contains No Free Liquid DER Duplicate Error Ratio (normalized absolute difference) Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MI Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive **Quality Control** 0C

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)

TNTC Too Numerous To Count

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-77-1.5

Lab Sample ID: 590-15315-1

Date Collected: 06/16/21 10:01 Matrix: Solid Date Received: 06/16/21 15:51 Percent Solids: 90.1

Method: 7471A - Mercury (CVAA)

Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac Mercury 0.029 06/18/21 15:30 06/18/21 18:49 ND mg/Kg

Client Sample ID: SGC-061621-78-1.5 Lab Sample ID: 590-15315-2

Date Collected: 06/16/21 10:03 **Matrix: Solid** Date Received: 06/16/21 15:51 Percent Solids: 88.3

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Mercury ND 0.028 mg/Kg 06/18/21 15:30 06/18/21 18:59

Client Sample ID: SGC-061621-79-1.5 Lab Sample ID: 590-15315-3

Date Collected: 06/16/21 10:04 Matrix: Solid

Date Received: 06/16/21 15:51 Percent Solids: 87.4

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RI **MDL** Unit Dil Fac Prepared Analyzed 0.024 Mercury 0.035 mg/Kg 06/18/21 15:30 06/18/21 19:01

Client Sample ID: SGC-061621-80-1.5 Lab Sample ID: 590-15315-4

Date Collected: 06/16/21 10:05 **Matrix: Solid** Date Received: 06/16/21 15:51 Percent Solids: 93.2

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.029 06/18/21 15:30 06/18/21 19:03 Mercury 0.057 mg/Kg

Lab Sample ID: 590-15315-5 Client Sample ID: SGC-061621-81-1.5

Date Collected: 06/16/21 10:06 Matrix: Solid Date Received: 06/16/21 15:51 Percent Solids: 91.2

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.025 06/18/21 15:30 06/18/21 19:06 Mercury 0.53 mg/Kg

Lab Sample ID: 590-15315-6 Client Sample ID: SGC-061621-82-1.5

Date Collected: 06/16/21 10:07 **Matrix: Solid** Date Received: 06/16/21 15:51 Percent Solids: 90.4

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 0.031 06/18/21 15:30 06/18/21 19:08 Mercury ND mg/Kg

Client Sample ID: SGC-061621-83-1.5 Lab Sample ID: 590-15315-7

Date Collected: 06/16/21 11:15 **Matrix: Solid** Date Received: 06/16/21 15:51 Percent Solids: 91.8

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RI **MDL** Unit D Prepared Analyzed Dil Fac Mercury ND 0.023 mg/Kg 06/18/21 15:30 06/18/21 19:11

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-84-1.5

Date Collected: 06/16/21 11:16 Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-8 Matrix: Solid

Percent Solids: 91.3

Method: 7471A - Mercury (CVAA)

Analyte RL **MDL** Unit D Result Qualifier Prepared Analyzed Dil Fac Mercury 0.022 06/18/21 15:30 06/18/21 19:18 ND mg/Kg

Client Sample ID: SGC-061621-85-1.5

Date Collected: 06/16/21 11:18

Lab Sample ID: 590-15315-9 **Matrix: Solid**

Percent Solids: 91.7

Method: 7471A - Mercury (CVAA)

Date Received: 06/16/21 15:51

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Mercury 0.20 0.022 mg/Kg 06/18/21 15:30 06/18/21 19:20

Client Sample ID: SGC-061621-86-1.5

Date Collected: 06/16/21 11:19

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-10

Lab Sample ID: 590-15315-11

Matrix: Solid Percent Solids: 91.9

Method: 7471A - Mercury (CVAA)

MDL Unit Analyte Result Qualifier RL Dil Fac Prepared Analyzed 0.022 06/18/21 15:30 06/18/21 19:23 Mercury 0.068 mg/Kg

Client Sample ID: SGC-061621-87-1.5

Date Collected: 06/16/21 11:20

Matrix: Solid Date Received: 06/16/21 15:51 Percent Solids: 91.6

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Mercury 0.024 06/18/21 15:30 06/18/21 19:25 ND mg/Kg

Client Sample ID: SGC-061621-88-1.5

Date Collected: 06/16/21 11:21

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-12 **Matrix: Solid** Percent Solids: 90.6

Method: 7471A - Mercury (CVAA)

Analyte Result Qualifier RL **MDL** Unit Dil Fac D Prepared Analyzed 06/18/21 15:30 06/18/21 19:28 Mercury ND 0.032 mg/Kg

Job ID: 590-15315-1

Prep Type: Total/NA

Project/Site: Kinney Sundace Mercury Soil Sampling

Method: 7471A - Mercury (CVAA)

Client: Fulcrum Environmental

Lab Sample ID: MB 580-359690/22-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 359773

Prep Batch: 359690 MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared Mercury 0.030 06/18/21 15:31 06/18/21 18:32 ND mg/Kg

Lab Sample ID: LCS 580-359690/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 359690 Analysis Batch: 359773** Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits 0.167 0.166 80 - 120 Mercury mg/Kg 100

Lab Sample ID: LCSD 580-359690/24-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 359773 Prep Batch: 359690**

Spike LCSD LCSD %Rec. **RPD** Limits Analyte Added Result Qualifier RPD Limit Unit %Rec Mercury 0.167 0.151 91 80 - 120 mg/Kg

Lab Sample ID: 590-15315-1 MS Client Sample ID: SGC-061621-77-1.5 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 359773

ND

Prep Batch: 359690 Spike MS MS %Rec. Sample Sample

Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits

ND 0.169 0.203 80 - 120 Mercury mg/Kg

Lab Sample ID: 590-15315-1 MSD

Matrix: Solid

Analysis Batch: 359773 Prep Batch: 359690 MSD MSD Sample Sample Spike %Rec. **RPD** Analyte Result Qualifier Added Limits Result Qualifier Unit Limit

ND 0.172 0.200 110 80 - 120 Mercury mg/Kg

Lab Sample ID: 590-15315-1 DU

Mercury

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 359773 Prep Batch: 359690** DU DU Sample Sample **RPD** Result Qualifier Result Qualifier **RPD** Limit Analyte Unit D

ND

mg/Kg

Eurofins TestAmerica, Spokane

6/21/2021

Client Sample ID: SGC-061621-77-1.5

Client Sample ID: SGC-061621-77-1.5

Prep Type: Total/NA

NC

Job ID: 590-15315-1

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-77-1.5

Date Collected: 06/16/21 10:01 Date Received: 06/16/21 15:51 Lab Sample ID: 590-15315-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-77-1.5

Date Collected: 06/16/21 10:01

Date Received: 06/16/21 15:51

Lah Sampla	ID: 500	15215 1
06/18/21 18:37	JHK	FGS SEA

Matrix: Solid Percent Solids: 90.1

Matrix: Solid

Matrix: Solid

Matrix: Solid

6/21/2021

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6787 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 18:49	C1K	FGS SEA

Client Sample ID: SGC-061621-78-1.5

Date Collected: 06/16/21 10:03

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-78-1.5

Date Collected: 06/16/21 10:03

Date Received: 06/16/21 15:51

3	06/18/21 18:37	JIIIX	FGS SEA	
1	ah Samnla	ID: 590	15315_2	

Lab Sample ID: 590-15315-3

Lab Sample ID: 590-15315-2

Matrix: Solid Percent Solids: 88.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.7336 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 18:59	C1K	FGS SEA

Client Sample ID: SGC-061621-79-1.5

Date Collected: 06/16/21 10:04

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-79-1.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G	<u> </u>	1			359713	06/18/21 18:37	JHR	FGS SEA

Lab Sample ID: 590-15315-3 Date Collected: 06/16/21 10:04 Matrix: Solid Date Received: 06/16/21 15:51 Percent Solids: 87.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8753 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:01	C1K	FGS SEA

Client Sample ID: SGC-061621-80-1.5

Date Collected: 06/16/21 10:05

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Eurofins TestAmerica, Spokane

Lab Sample ID: 590-15315-4

Page 9 of 20

Job ID: 590-15315-1

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-80-1.5

Date Collected: 06/16/21 10:05

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-4

Matrix: Solid

Percent Solids: 93.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6753 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:03	C1K	FGS SEA

Client Sample ID: SGC-061621-81-1.5

Date Collected: 06/16/21 10:06 Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-5

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-81-1.5

Date Collected: 06/16/21 10:06 Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-5 **Matrix: Solid**

Percent Solids: 91.2

Batch Batch Dil Initial Final Batch **Prepared Prep Type** Type Method **Amount** Amount Number or Analyzed Run **Factor** Analyst Lab Prep Total/NA 7471A 359690 06/18/21 15:30 C1K FGS SEA 0.7864 g 50 mL Total/NA Analysis 7471A 359773 06/18/21 19:06 C1K **FGS SEA**

Client Sample ID: SGC-061621-82-1.5

Date Collected: 06/16/21 10:07

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-6 **Matrix: Solid**

Dil Batch Initial Final Batch Prepared Batch **Prep Type** Type Method **Factor** Amount Amount Number or Analyzed Run Analyst Lab 2540G 359713 Total/NA Analysis 06/18/21 18:37 JHR FGS SEA

Client Sample ID: SGC-061621-82-1.5

Date Collected: 06/16/21 10:07

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-6 Matrix: Solid

Lab Sample ID: 590-15315-7

Percent Solids: 90.4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6345 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:08	C1K	FGS SEA

Client Sample ID: SGC-061621-83-1.5

Date Collected: 06/16/21 11:15

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Eurofins TestAmerica, Spokane

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-83-1.5

Date Collected: 06/16/21 11:15 Date Received: 06/16/21 15:51 Lab Sample ID: 590-15315-7

Matrix: Solid

Percent Solids: 91.8

Job ID: 590-15315-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8503 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:11	C1K	FGS SEA

Client Sample ID: SGC-061621-84-1.5

Date Collected: 06/16/21 11:16 Date Received: 06/16/21 15:51 Lab Sample ID: 590-15315-8

Matrix: Solid

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-84-1.5

Date Collected: 06/16/21 11:16 Date Received: 06/16/21 15:51 Lab Sample ID: 590-15315-8

Matrix: Solid Percent Solids: 91.3

Batch Batch Batch Dil Initial Final Prepared **Prep Type** Type Method **Amount** Amount Number or Analyzed Analyst Run **Factor** Lab Total/NA Prep 7471A 359690 06/18/21 15:30 C1K FGS SEA 0.9161 g 50 mL Total/NA Analysis 7471A 359773 06/18/21 19:18 C1K **FGS SEA**

Client Sample ID: SGC-061621-85-1.5

Date Collected: 06/16/21 11:18

Date Received: 06/16/21 15:51

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-85-1.5

Date Collected: 06/16/21 11:18

Date Received: 06/16/21 15:51

Lab Sample ID: 590-15315-9

Matrix: Solid

Lab Sample ID: 590-15315-10

Percent Solids: 91.7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8768 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:20	C1K	FGS SEA

Client Sample ID: SGC-061621-86-1.5

Date Collected: 06/16/21 11:19

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Job ID: 590-15315-1

Matrix: Solid

Matrix: Solid

FGS SEA

Matrix: Solid

Matrix: Solid

Percent Solids: 90.6

Lab Sample ID: 590-15315-11

Lab Sample ID: 590-15315-11

Lab Sample ID: 590-15315-12

Lab Sample ID: 590-15315-12

06/18/21 19:25 C1K

359773

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Client Sample ID: SGC-061621-86-1.5

Date Collected: 06/16/21 11:19

Lab Sample ID: 590-15315-10 **Matrix: Solid** Date Received: 06/16/21 15:51 Percent Solids: 91.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.8728 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:23	C1K	FGS SEA

Client Sample ID: SGC-061621-87-1.5

Date Collected: 06/16/21 11:20

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-87-1.5

Date Collected: 06/16/21 11:20

Date Received: 06/16/21 15:51 Percent Solids: 91.6														
	Batch	Batch		Dil	Initial	Final	Batch	Prepared						
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab				
Total/NA	Prep	7471A			0.8250 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA				

Client Sample ID: SGC-061621-88-1.5

7471A

Analysis

Date Collected: 06/16/21 11:21

Date Received: 06/16/21 15:51

Total/NA

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1			359713	06/18/21 18:37	JHR	FGS SEA

Client Sample ID: SGC-061621-88-1.5

Date Collected: 06/16/21 11:21

Date Received: 06/16/21 15:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			0.6290 g	50 mL	359690	06/18/21 15:30	C1K	FGS SEA
Total/NA	Analysis	7471A		1			359773	06/18/21 19:28	C1K	FGS SEA

Laboratory References:

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

Eurofins TestAmerica, Spokane

Accreditation/Certification Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Job ID: 590-15315-1

Laboratory: Eurofins FGS, Seattle

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

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-22
ANAB	Dept. of Defense ELAP	L2236	01-19-22
ANAB	Dept. of Energy	L2236	01-19-22
ANAB	ISO/IEC 17025	L2236	01-19-22
California	State	2954	06-30-21
Florida	NELAP	E87575	07-30-21
Kentucky (WW)	State	KY98042	12-31-21
Louisiana	NELAP	03073	06-30-21
Maine	State	2020012	05-02-22
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-21
New York	NELAP	11662	04-01-22
Oregon	NELAP	WA100007	11-05-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	US Federal Programs	P330-20-00031	02-10-23
Washington	State	C788	07-13-21
Wisconsin	State	399133460	08-31-21

Method Summary

Client: Fulcrum Environmental

Project/Site: Kinney Sundace Mercury Soil Sampling

Laboratory Method **Method Description** Protocol 7471A Mercury (CVAA) SW846 FGS SEA 2540G SM 2540G SM22 **FGS SEA** 7471A Preparation, Mercury SW846 **FGS SEA**

Protocol References:

SM22 = Standard Methods For The Examination Of Water And Wastewater, 22nd Edition
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Job ID: 590-15315-1

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

REPORT TO: Scott Grant Kinney Sundance Mercury Soil Simpling PROJECT NAME: ADDRESS: 207 W BORNE AVE Spetane, WA 497201 PHONE: 509-459-9220 FAX: CLIENT: Fulctum THE LEADER IN ENVIRONMENTAL TESTING Environmenta sgroat@etulcoum.net CHAIN OF CUSTODY REPORT P.O. NUMBER: INVOICE TO Fulceum PRESERVATIVE Work Order #: ST 10 5 4 3 2 STD. Petroleum Hydrocarbon Analyses TURNAROUND REQUEST 509-924-9200 FAX 924-929 503-906-9200 FAX 906-920 907-563-9200 FAX 563-9210 in Business Days * <u>-</u> ^

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Page 15 of 20

* Turnaround Requests less than standard may incur Rush Charges

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Kinney Sundance Mercury Soil Sampling PROJECT NUMBER: 192860.03 SAMPLED BY: S. Groat REPORT TO: Scott Great CLIENT: Fulceum PHONE: 509- 459- 1220 FAX: PROJECT NAME: 207 W Boone Spotence, WA sozo! Environment to 1 sgroct Befulerum net Ave CHAIN OF CUSTODY REPORT P.O. NUMBER: INVOICE TO Fulcrum PRESERVATIVE Work Order #: **10** 5 4 3 2 | 7 5 4 TURNAROUND REQUEST in Business Days * <u>-</u> <u>^</u>

REQUESTED ANALYSES

MATRIX (W. S. O)

OF

LOCATION/ COMMENTS

TA WO ID

Page 16 of 20

Turnaround Requests less than standard may incur Rush Charges

OTHER Specify:

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

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

6/21/2021

Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206

Δ Yes Δ No

Chain of Custody Record



💸 eurofins

Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290																								
Client Information (Sub Contract Lab)	Sampler:			А	.ab PM: Arringt		Rand	Jee E						Carrie	er Trac	king l	No(s):	_			COC No: 590-6070.1			
Client Contact: Shipping/Receiving	Phone:			-				ton@E							of Orig shingt						Page: Page 1 of 2			
Company: Eurofins Frontier Global Sciences LLC								ns Requ gram -		•							XXXXX				Job #: 590-15315-1			
Address: 5755 8th Street East, 、	Due Date Requeste 6/21/2021	ed:			7			***************************************			nalys	sis	Reg	les	ted						Preservation Co			
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Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:																		all Adjords		F - MeOH G - Amchlor H - Ascorbic Acid	R - Na2 S - H2S T - TSP		hvdrate
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Project Name: Kinney Sundace Mercury Soil Sampling	Project #: 59001922					MS/MSD (Yes or No)					.	7							SERVE PROPERTY.	E	L - EDA	W - pH Z - othe	er (specify)	')
Site:	SSOW#:				Samp	Ogs	Prep.													8 6	Other:			
Secreta Identification Client ID (I sh ID)	Samula Data	Sample	Sample Type (C=comp,	Matrix (Wewster, Sesolid, Oewaste/oil	* Helle	Perform MS/M	7471A/7471A_P	Moisture		, and the second			- THE STATE OF THE					The state of the s		Total Number		4*	(3.1.	
Sample Identification - Client ID (Lab ID)	Sample Date	Time		B1=Tissue, A=		枌	1,	Σ								+	7001858 E		⋠	针	Special In	structio	ons/Not	:e:
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SGC-061621-84-1.5 (590-15315-8)	6/16/21	11:16 Pacific		Solid			х	х												1	***************************************			
SGC-061621-85-1.5 (590-15315-9)	6/16/21	11:18 Pacific		Solid			х	х												1				***************************************
Note: Since laboratory accreditations are subject to change. Eurofins TestAmerica maintain accreditation in the State of Origin listed above for analysis/tests/matrix be TestAmerica attention immediately. If all requested accreditations are current to da	eing analyzed, the sar	imples must be	e shipped back	to the Eurofi	fins Tes	stAmer	rica la	aborator	ry or o	other in	ries. Ti istruction	his sa ons v	ample : vill be r	shipm orovid	ient is led. A	forwa	arded u	nder o	chain- credita	-of-cu	istody. If the labora status should be bro	tory does ought to E	not curren	ntly
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Eurofins TestAmerica, Spokane

11922 East 1st Ave Spokane, WA 99206

Chain of Custody Record

🔅 eurofins

Environment Testing America

Phone: 509-924-9200 Fax: 509-924-9290																							
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Company: Eurofins Frontier Global Sciences LLC								s Requ ram -													Јоб #: 590-15315-1		
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State, Zip: WA, 98424																					D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3	
Phone: 253-922-2310(Tel) 425-420-9210(Fax)	PO #:																				G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodeo	cahydrate
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Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica maintain accreditation in the State of Origin listed above for analysis/tests/matrix bin TestAmerica attention immediately. If all requested accreditations are current to dis	eing analyzed, the sa	imples must be	e shipped back	to the Eurofi	ins Te	stAme	erica la	borato	ory or o	other i	nies. T	his s	ample will be	ship provi	ment i ided.	s forw Any cl	rarded hange	i unde es to a	r chai ccredi	in-of- litatio	custody. If the laborate in status should be broad	ory does not cu ught to Eurofins	rrently
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Client: Fulcrum Environmental

Job Number: 590-15315-1

Login Number: 15315

: 15315 List Source: Eurofins TestAmerica, Spokane

List Number: 1

Creator: O'Toole, Maria C

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	N/A	Received same day of collection; chilling process has begun.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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	No analysis requiring residual chlorine check assigned.

Client: Fulcrum Environmental

Job Number: 590-15315-1

Login Number: 15315
List Source: Eurofins FGS, Seattle
List Number: 2
List Creation: 06/18/21 01:07 PM

Creator: Blankinship, Tom X

Creator. Diankinship, Toni A		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	0.6°C
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	



APPENDIX F

Investigation Photographs





Photograph #1: 12/03/20

View of sample SD-120320-01 collected from the tee box of Hole 1.



Photograph #2: 12/03/20

View of sample SD-120320-02 collected from the putting green of Hole 2.



Photograph #3: 12/03/20

View of sample SD-120320-03 collected from the fairway of Hole 3.

Mercury Soil Remediation Report Appendix F - 01 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #4: 12/03/20

View of sample SD-120320-04 collected from the putting green of Hole 4.



Photograph #5: 12/03/20

View of sample SD-120320-05 collected from the putting green of Hole 5.



Photograph #6: 12/03/20

View of sample SD-120320-06 collected from the tee box of Hole 6.

Mercury Soil Remediation Report Appendix F - 02 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #7: 12/03/20

View of sample SD-120320-07 and SD-120320-20 (duplicate) collected from the putting green of Hole 7.



Photograph #8: 12/03/20

View of sample SD-120320-08 collected from the fairway of Hole 8.



Photograph #9: 12/03/20

View of sample SD-120320-09 collected from the tee box of Hole 9.

Mercury Soil Remediation Report Appendix F - 03 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #10: 12/03/20

View of sample SD-120320-10 collected from the tee box of Hole 10.



Photograph #11: 12/03/20

View of sample SD-120320-11 collected from the putting green of Hole 11.



Photograph #12: 12/03/20

View of sample SD-120320-12 collected from the tee box of Hole 12.

Mercury Soil Remediation Report Appendix F - 04 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #13: 12/03/20

View of sample SD-120320-13 collected from the putting green of Hole 13.



Photograph #14: 12/03/20

View of sample SD-120320-14 collected from the fairway of Hole 14.



Photograph #15: 12/03/20

View of sample SD-120320-15 collected from the putting green of Hole 15.

Mercury Soil Remediation Report Appendix F - 05 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #16: 12/03/20

View of sample SD-120320-16 collected from the tee box of Hole 16.



Photograph #17: 12/03/20

View of sample SD-120320-17 collected from the putting green of Hole 17.



Photograph #18: 12/03/20

View of sample SD-120320-18 collected from the putting green of Hole 18.

Mercury Soil Remediation Report Appendix F - 06 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #19: 12/03/20

View of sample SD-120320-19 collected from the Driving Range.



Photograph #20: 12/16/20

View of sample SGC-121620-21 collected from the northeast area of the Hole 1 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #21:

View of sample SGC-121620-22 collected from the south central area of the Hole 1 putting green.

Mercury Soil Remediation Report Appendix F - 07 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #22: 12/16/20

View of sample SGC-121620-23 collected from the northwest are of the Hole 1 putting green.



Photograph #23: 12/16/20

View of sample SGC-121620-24 collected from the southeast area of the Hole 2 putting green.



Photograph #24: 12/16/20

View of sample SGC-121620-25 collected from the northwest area of the Hole 2 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.

Mercury Soil Remediation Report Appendix F - 08 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #25: 12/16/20

View of sample SGC-121620-26 collected from the south central area of the Hole 3 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #26: 12/16/20

View of sample SGC-121620-27 collected from the northwest area of the Hole 3 putting green.



Photograph #27: 12/16/20

View of sample SGC-121620-28 collected from the northeast area of the Hole 3 putting green.

Mercury Soil Remediation Report Appendix F - 09 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #28: 12/16/20

View of sample SGC-121620-29 collected from the west central area of the Hole 4 putting green.



Photograph #29: 12/16/20

View of sample SGC-121620-30 collected from the south central area of the Hole 4 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #30: 12/16/20

View of sample SGC-121620-31 collected from the east central area of the Hole 4 putting green.

Mercury Soil Remediation Report Appendix F - 10 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #31: 12/16/20

View of sample SGC-121620-32 collected from the east central area of the Hole 5 putting green.



Photograph #32: 12/16/20

View of sample SGC-121620-33 collected from the west central area of the Hole 5 putting green.



Photograph #33: 12/16/20

View of sample SGC-121620-34 collected from the central area of the Hole 5 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.

Mercury Soil Remediation Report Appendix F - 11 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #34: 12/16/20

View of sample SGC-121620-35 collected from the east central area of the Hole 6 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #35: 12/16/20

View of sample SGC-121620-36 collected from the north central area of the Hole 6 putting green.



Photograph #36: 12/16/20

View of sample SGC-121620-37 collected from the west central area of the Hole 6 putting green.

Mercury Soil Remediation Report Appendix F - 12 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #37: 12/16/20

View of sample SGC-121620-38 collected from the northwest area of the Hole 7 putting green.



Photograph #38: 12/16/20

View of sample SGC-121620-39 collected from the north central area of the Hole 7 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #39: 12/16/20

View of sample SGC-121620-40 collected from the south central area of the Hole 7 putting green.

Mercury Soil Remediation Report Appendix F - 13 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #40: 12/16/20

View of sample SGC-121620-41 and SGC-121620-301 (duplicate) collected from the east central area of the Hole 8 putting green.



Photograph #41: 12/16/20

View of sample SGC-121620-42 collected from the southwest area of the Hole 8 putting green.



Photograph #42: 12/16/20

View of sample SGC-121620-43 collected from the north central area of the Hole 8 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.

Mercury Soil Remediation Report Appendix F - 14 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #43: 12/16/20

View of sample SGC-121620-47 collected from the north central area of the Hole 10 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #44: 12/16/20

View of sample SGC-121620-48 collected from the central area of the Hole 10 putting green.



Photograph #45: 12/16/20

View of sample SGC-121620-49 collected from the south central area of the Hole 10 putting green.

Mercury Soil Remediation Report Appendix F - 15 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #46: 12/16/20

View of sample SGC-121620-50 collected from the northwest area of the Hole 11 putting green.



Photograph #47: 12/16/20

View of sample SGC-121620-51 collected from the central area of the Hole 11 putting green.



Photograph #48: 12/16/20

View of sample SGC-121620-52 collected from the southeast area of the Hole 11 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical to have detectable concentrations of cadmium below MTCA Method A Cleanup Levels.





Photograph #49: 12/16/20

View of sample SGC-121620-53 collected from the north central area of the Hole 12 putting green.



Photograph #50: 12/16/20

View of sample SGC-121620-54 collected from the central area of the Hole 12 putting green.



Photograph #51: 12/16/20

View of sample SGC-121620-55 collected from the south central area of the Hole 12 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.

Mercury Soil Remediation Report Appendix F - 17 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #52: 12/16/20

View of sample SGC-121620-56 collected from the south central area of the Hole 13 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #53: 12/16/20

View of sample SGC-121620-57 collected from the northwest area of the Hole 13 putting green.



Photograph #54: 12/16/20

View of sample SGC-121620-58 collected from the northeast area of the Hole 13 putting green.

Mercury Soil Remediation Report Appendix F - 18 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #55: 12/16/20

View of sample SGC-121620-59 collected from the southeast area of the Hole 14 putting green.



Photograph #56: 12/16/20

View of sample SGC-121620-60 collected from the central area of the Hole 14 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #57: 12/16/20

View of sample SGC-121620-61 collected from the northwest area of the Hole 14 putting green.

Mercury Soil Remediation Report Appendix F - 19 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #58: 12/16/20

View of sample SGC-121620-62 collected from the east central area of the Hole 15 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #59: 12/16/20

View of sample SGC-121620-63 collected from the northwest area of the Hole 15 putting green.



Photograph #60: 12/16/20

View of sample SGC-121620-64 collected from the southwest area of the Hole 15 putting green.

Mercury Soil Remediation Report Appendix F - 20 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #61: 12/16/20

View of sample SGC-121620-65 collected from the north central area of the Hole 16 putting green.



Photograph #62: 12/16/20

View of sample SGC-121620-66 collected from the west central area of the Hole 16 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #63: 12/16/20

View of sample SGC-121620-67 collected from the south central area of the Hole 16 putting green.

Mercury Soil Remediation Report Appendix F - 21 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #64: 12/16/20

View of sample SGC-121620-68 collected from the southeast area of the Hole 17 putting green.



Photograph #65: 12/16/20

View of sample SGC-121620-69 collected from the north central area of the Hole 17 putting green.



Photograph #66: 12/16/20

View of sample SGC-121620-70 collected from the southwest area of the Hole 17 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.

Mercury Soil Remediation Report Appendix F - 22 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #67: 12/16/20

View of sample SGC-121620-71 collected from the southeast area of the Hole 18 putting green. Additional soil material analyzed for cadmium was identified by laboratory analytical as nondetect.



Photograph #68: 12/16/20

View of sample SGC-121620-72 collected from the north central area of the Hole 18 putting green.



Photograph #69: 12/16/20

View of sample SGC-121620-73 collected from the southwest area of the Hole 18 putting green.

Mercury Soil Remediation Report Appendix F - 23 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #70: 04/22/21

View of sample SGC-042221-PH-01 collected from the southwest area on the putting green from Hole 8.



Photograph #71: 04/22/21

View of sample SGC-042221-PH-02 collected from the central area of the fairway from Hole 4.



Photograph #72: 04/22/21

View of sample SGC-042221-PH-03 collected from the central area on the putting green from Hole 2.

Mercury Soil Remediation Report Appendix F - 24 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #73: 04/22/21

View of sample SGC-042221-PH-04 collected from the east area of the fairway from Hole 15.



Photograph #74: 04/22/21

View of sample SGC-042221-PH-05 collected from the southeast area on the putting green from Hole 10.



Photograph #75: 04/22/21

View of sample SGC-042221-PH-06 collected from the low-lying area on the fairway from Hole 9.

Mercury Soil Remediation Report Appendix F - 25 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #76: 07/07/21

View of sample SGC-070721-PH-07 collected from a low-lying fairway area on Hole 7.



Photograph #77: 07/07/21

View of sample SGC-070721-PH-08 collected from the central area of the Hole 3 putting green.



Photograph #78: 07/07/21

View of sample SGC-070721-PH-09 collected from a low-lying fairway area on Hole 13.

Mercury Soil Remediation Report Appendix F - 26 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #79: 07/07/21

View of sample SGC-070721-PH-10 collected from the putting green on Hole 12.



Photograph #80: 07/07/21

View of sample SGC-070721-PH-11 collected from the low-lying fairway on Hole 12.



Photograph #81: 07/07/21

View of sample SGC-070721-PH-12 collected from the low-lying fairway area on Hole 12.

Mercury Soil Remediation Report Appendix F - 27 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #82: 07/07/21

View of sample SGC-070721-PH-13 collected from the low spot northwest of the Hole 11 putting green.



Photograph #83: 07/07/21

View of sample SGC-070721-PH-14 collected from the low spot east of the Hole 11 putting green.



Photograph #84: 07/07/21

View of sample SGC-070721-PH-15 collected east of the tee box on Hole 11.

Mercury Soil Remediation Report Appendix F - 28 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #85: 07/07/21

View of sample SGC-070721-PH-16 collected from the low spot on the fairway of Hole 17.



Photograph #86: 07/07/21

View of sample SGC-070721-PH-17 collected from the southeast area of the Hole 17 putting green.



Photograph #87: 07/07/21

View of sample SGC-070721-PH-18 collected from the south central area of the putting green on Hole 14.

Mercury Soil Remediation Report Appendix F - 29 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #88: 07/07/21

View of sample SGC-070721-PH-19 collected from the east central putting green on Hole 6.



Photograph #89: 07/07/21

View of sample SGC-070721-PH-20 collected from the southeast area of the putting green from Hole 6.



Photograph #90: 07/07/21

View of sample SGC-070721-PH-21 collected from a low-lying fairway area on Hole 5.

Mercury Soil Remediation Report Appendix F - 30 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #91: 07/07/21

View of sample SGC-070721-PH-22 collected from a low-lying fairway area on Hole 1.



Photograph #92: 07/07/21

View of sample SGC-070721-PH-23 collected from a low-lying fairway area on Hole 17.



Photograph #93: 07/07/21

View of sample SGC-070721-PH-24 collected from a low-lying fairway area on Hole 17.

Mercury Soil Remediation Report Appendix F - 31 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #94: 07/07/21

View of sample SGC-070721-PH-25 collected from a low-lying fairway area on Hole 11.



Photograph #95: 07/07/21

View of sample SGC-070721-PH-26 collected from a low-lying fairway area on Hole 11.



Photograph #96: 07/07/21

View of sample SGC-070721-PH-27 collected from a low-lying fairway area on Hole 12.





Photograph #97: 07/07/21

View of sample SGC-070721-PH-25 collected from a low-lying fairway area on Hole 11.



Photograph #98: 07/07/21

View of sample SGC-070721-PH-26 collected from a low-lying fairway area on Hole 11.



Photograph #99: 07/07/21

View of sample SGC-070721-PH-27 collected from a low-lying fairway area on Hole 12.

Mercury Soil Remediation Report Appendix F - 33 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #100: 07/07/21

View of sample SGC-070721-PH-28 collected from a low-lying fairway area on Hole 12.



Photograph #101: 07/07/21

View of sample SGC-070721-PH-29 collected from the central fairway on Hole 14.



Photograph #102: 07/07/21

View of sample SGC-070721-PH-30 collected from a low-lying fairway area on Hole 2.

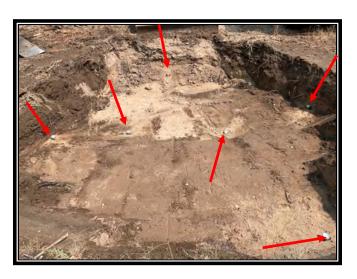
Mercury Soil Remediation Report Appendix F - 34 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #103: 06/16/21

View of completed remedial excavation within the central area of the Hole 2 putting green. Arrows indicate locations of mercury confirmation soil samples SGC-061621-77 through SGC-061621-82. All mercury confirmation soil samples were identified by laboratory analytical as nondetect or below MTCA Method A Cleanup Levels.



Photograph #104: 08/04/21

View of completed remedial excavation within the central area of the Hole 3 putting green. locations Arrows indicate of mercurv confirmation soil samples SGC-061621-95 SGC-061621-100. through All mercurv confirmation soil samples were identified by laboratory analytical as nondetect or below MTCA Method A Cleanup Levels.



Photograph #105: 04/07/21

View of initial Hole 4 remedial excavation completed in the northwest area of the putting green. Arrows indicate the location of the mercury confirmation soil samples SGC-040721 -01 through SGC-040721-06.





Photograph #106: 04/07/2021

View of mercury confirmation soil sample SGC-040721-03.4 collected from the east central sidewall of the excavation at 4-inches below ground surface (bgs). Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #107: 04/07/21

View of mercury confirmation soil sample SGC-040721-06.4 collected from the north central sidewall of the excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.





Photograph #108: 04/22/2021

View of additional remedial excavations conducted at the northern and eastern boundaries of the initial remedial excavation located in the northwest area of the Hole 4 putting green. Arrows indicate the location for the two additional remedial excavation areas.



Photograph #109: 04/22/21

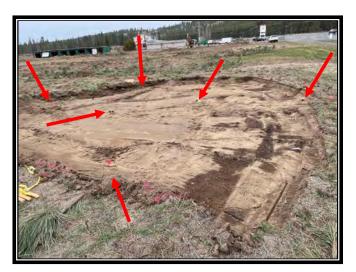
View of additional remedial excavation conducted at the eastern boundary of the Hole 4 putting green. The arrows indicate location of mercury confirmation samples SGC-042221-49-1.5 (pit bottom) and SGC-042221-49-1.0 (sidewall). Both confirmation samples were identified by laboratory analytical to have detectable concentrations of mercury below MTCA Method A Cleanup Levels.



Photograph #110: 04/22/21

View of additional remedial excavation conducted at the northern boundary of the Hole 4 putting green. The arrows indicate location of mercury confirmation samples SGC-042221-50-1.5 (pit bottom) and SGC-042221-51-1.0 (sidewall). Both confirmation samples were identified by laboratory analytical to be nondetect for mercury.





Photograph #111: 04/07/2021

View of initial remedial excavation located in the east central area of the Hole 5 putting green. Arrows indicate the location of mercury confirmation soil samples SGC-040721-34 through SGC-040721-39.



Photograph #112: 04/07/21

View of mercury confirmation soil sample SGC-040721-34.6 collected from the west central pit bottom of the excavation at 6-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #113: 04/07/21

View of mercury confirmation soil sample SGC-040721-38.6 collected from the west central sidewall of the excavation at 6-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.





Photograph #114: 04/22/21

View of additional remedial excavation completed within the western boundary and central area of the initial remedial excavation located on the Hole 5 putting green.



Photograph #115: 04/22/21

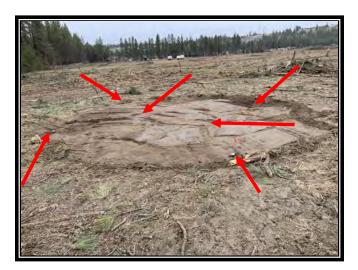
View of additional remedial excavation completed along the western boundary of initial Hole 5 putting green remedial excavation. Arrows indicate the location of mercury confirmation samples SGC-042221-44-1.5 and SGC-042221-45-1.0. Both samples were identified by laboratory analytical as nondetect for mercury.



Photograph #116: 04/22/21

View of additional remedial excavation completed along the western boundary and central area of initial Hole 5 putting green remedial excavation. Arrows indicate the location of mercury confirmation samples SGC-042221-46-1.5 and SGC-042221-47-1.0. Both samples were identified by laboratory analytical to have nondetect concentrations of mercury.





Photograph #117: 04/07/21

View of initial remedial excavation conducted in the central area of the Hole 7 putting green. Arrows indicate the location of the initial mercury confirmation soil samples SGC-040721 -13 through SGC-040721-18.



Photograph #118: 04/07/21

View of mercury confirmation soil sample SGC-040721-13.4 collected from the west central pit bottom of the initial Hole 7 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #119: 04/07/21

View of mercury confirmation soil sample SGC-040721-14.4 collected from the east central pit bottom of the initial Hole 7 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.





Photograph #120: 04/07/21

View of mercury confirmation soil sample SGC-040721-18.4 collected from the north central side wall of the initial Hole 7 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #121: 04/07/21

View of additional excavation of the putting green on Hole 7.





Photograph #122: 04/07/21

View of second additional excavation of the putting green on Hole 7.



Photograph #123: 04/29/21

View of additional remedial excavation conducted in the central area of the Hole 7 putting green. Arrows indicate locations of mercury confirmation soil samples SGC-042921-74 through SGC-042921-76. Laboratory analytical identified all mercury confirmation samples to have nondetect concentrations.



Photograph #124: 04/07/21

View of initial remedial excavation completed in the central area of the Hole 8 putting green. Arrows indicate initial mercury confirmation soil samples SGC-040721-07 through SGC-040721-12.

Mercury Soil Remediation Report Appendix F - 42 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #125: 04/07/21

View of mercury confirmation soil sample SGC-040721-07.4 collected from the west central pit bottom of the initial Hole 8 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #126: 04/07/21

View of mercury confirmation soil sample SGC-040721-09.4 collected from the east central sidewall of the initial Hole 8 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #127: 04/22/21

View of mercury confirmation soil sample SGC-040721-12.4 collected from the north central sidewall of the initial Hole 8 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.

Mercury Soil Remediation Report Appendix F - 43 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #128: 04/22/2021

View of additional remedial excavation areas conducted throughout the initial Hole 8 remedial excavation. Arrows indicate mercury confirmation soil samples SGC-042221-52 through SGC-042221-57 associated with the north, east, and central areas of initial remedial excavation. All mercury confirmation samples were identified by laboratory analytical to be nondetect or have mercury concentrations below MTCA Method A Cleanup Levels.



Photograph #129: 04/07/21

View of initial remedial excavation completed in the north central area of the Hole 9 putting green. Arrows indicate initial mercury confirmation soil samples SGC-040721-28 through SGC-040721-33.



Photograph #130: 04/07/21

View of mercury confirmation soil sample SGC-040721-28.4 collected from the west central pit bottom of the initial Hole 9 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.

Mercury Soil Remediation Report Appendix F - 44 Sundance Golf Course, Nine Mile Falls, Washington





Photograph #131: 04/07/2021

View of mercury confirmation soil sample SGC-040721-28.4 collected from the east central pit bottom of the initial Hole 9 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #132: 04/07/21

View of mercury confirmation soil sample SGC-040721-32.4 collected from the west central sidewall of the initial Hole 9 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #133: 04/07/21

View of mercury confirmation soil sample SGC-040721-33.4 collected from the north central sidewall of the initial Hole 9 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.





Photograph #134: 04/22/2021

View of additional remedial excavation conducted at the northern boundary of the initial remedial excavation completed for the Hole 9 putting green. Arrows indicate location of samples SGC-042221-40-1.5 (pit bottom) and SGC-042221-41-1.0 (north sidewall). Both samples where identified by laboratory analytical to be nondetect for mercury.



Photograph #135: 04/22/21

View of additional remedial excavation conducted at the western boundary of the initial remedial excavation completed for the Hole 9 putting green. Arrows indicate location of samples SGC-042221-42-1.5 (pit bottom) and SGC-042221-43-1.0 (west sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.



Photograph #136: 04/22/21

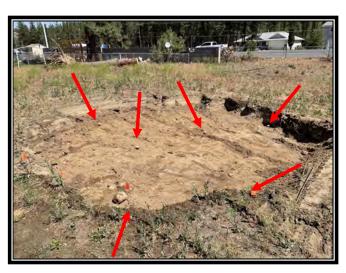
View of additional remedial excavation conducted in the central area of the initial remedial excavation completed for the Hole 9 putting green. Arrows indicate location of samples SGC-042221-70.1.5 (pit bottom) and SGC-042221-71-1.0 (east sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.





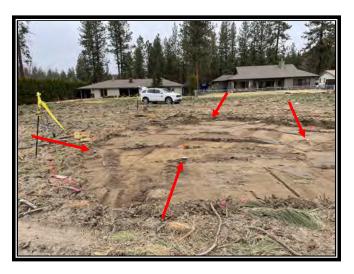
Photograph #137: 04/22/2021

View of additional remedial excavation conducted in the central area of the initial remedial excavation completed for the Hole 9 putting green. Arrows indicate the location of samples SGC-042221-72.1.5 (pit bottom) and SGC-042221-71-1.0 (south sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.



Photograph #138: 06/16/21

View of remedial excavation completed in south central area of the Hole 10 putting green. Arrows indicate mercury confirmation soil samples SGC -061621-83 through SGC-061621-88. Laboratory analytical identified all samples to be nondetect or below the MTCA Method A Cleanup Level for mercury.



Photograph #139: 04/07/21

View of remedial excavation completed in the south eastern area of the Hole 11 putting green. Arrows indicate mercury confirmations soil samples SGC-040721-21 through SGC-040721-27.





Photograph #140: 04/07/2021

View of mercury confirmation soil sample SGC-040721-21.4 collected from the west central area of the initial Hole 11 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #141: 04/07/21

View of mercury confirmation soil sample SGC-040721-26.4 collected from the north central sidewall of the initial Hole 11 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.



Photograph #142: 04/07/21

View of mercury confirmation soil sample SGC-040721-27.4 collected northwest of the initial Hole 11 putting green excavation at 4-inches bgs. Laboratory analytical identified this sample to have mercury concentrations above MTCA Method A Cleanup Levels.





Photograph #143: 04/22/2021

View of additional remedial excavation conducted in the south central area of the initial remedial excavation completed for the Hole 11 putting green. Arrows indicate the location of samples SGC-042221-64.1.5 (pit bottom) and SGC-042221-65-1.0 (south sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.



Photograph #144: 04/22/21

View of additional remedial excavation conducted in the north central area of the initial remedial excavation completed for the Hole 11 putting green. Arrows indicate the location of samples SGC-042221-66.1.5 (pit bottom) and SGC-042221-67-1.0 (north sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.

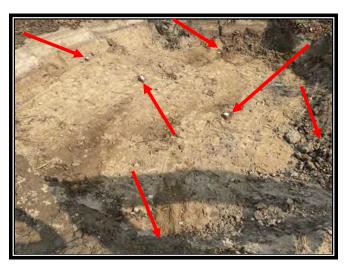


Photograph #145: 04/22/21

View of additional remedial excavation conducted in the area northwest of the initial remedial excavation completed for the Hole 11 putting green. Arrows indicate the location of samples SGC-042221-68.1.5 (pit bottom) and SGC-042221-69-1.0 (north sidewall). Laboratory analytical identified the mercury confirmation samples as nondetect or below MTCA Method A Cleanup Levels.

Investigation Photographs Sundance Golf Course Nine Mile Falls, Washington





Photograph #146: 04/22/2021

View of remedial excavation completed in the south central area of the Hole 17 putting green. Arrows indicate the mercury confirmation soil samples SGC-042221-64 through SGC-042221-69. Laboratory analytical identified all samples to be nondetect or below the MTCA Method A Cleanup Level for mercury.



APPENDIX G

Soil Disposal Receipts



Reprint Ticket# 644611

Category

Approved:

Check#

Ph: (509) 244-0151

Container

Billing# 0000726

Driver

Check#

Grid

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier BODES Ticket Date 08/04/2021 Vehicle# JAY Ticket Date 08/04/2021 Payment Type Credit Account

Manual Ticket# Route

Hauling Ticket# Destination

Manifest 115978wa

Profile 115978WA (LF02 - Soils with low mercury contamination)
Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO# 21267

Time Operator Scale Inbound Gross 89840 lb In 08/04/2021 11:45:32 Scale1 ashield2 Tare 38340 lb Out 08/04/2021 12:03:04 Scale1 Fbaxter Net 51500 lb 25.75 Tons

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		25.75	Tons				SPOKANE SPOKANE
3		100	25.75	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

Grand Facility
1820 Aham Roads
Mediwakte Manadiment 9022

Original Ticket# 644633

#21267

Ph: (509) 244-0151

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier Ticket Date 08/04/2021 Vehicle# Payment Type Credit Account Containe

Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 115978wa

Vehicle# DARON
Container
Driver DARON
Check#

ABLECLEANUP ABLE CLEANUP TECHNOLOGIE DARON Category:

DARON SLATER

Job #_____

Job # 21267 Fulcrum Sandance

Paid [_]

Billing# 0000726 Check#_____

Profile 115978WA (LF02 - Soils with low mercury contamination)

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO# 21267

	Time		Scale	Operator	Inbound	Gross	63240 lb
In	08/04/2021	12:52:18	Scalel	ashield2		Tare	30760 lb
Out	08/04/2021	13:01:31	Scale1	ashield2		Net	32480 lb
						Tons	16.24

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-	100	16.24	Tons	7-7-0-040			SPOKANE
2	EVF-P10-Environmental F	100		00				SPOKANE
3	SRHD1-Spokane Regional	100	16.24	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

As In Deiron.

Facility ham Road Mediaalsvěakonadvěnení 9022

Reprint Ticket# 640543 Ph: (509)244-0151

Category: _ Job # 21214 Fulcrum Approved: ____ Check#____ Paid [_]

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier BODES Ticket Date 06/16/2021 Payment Type Credit Account

Manual Ticket#

Vehicle# JAY Container Driver Check# Billing# 0000726

Hauling Ticket# Destination

Grid

Manifest 115978wa Profile 115978WA (LF02 - Soils with low mercury contamination)

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M PO#

Time Scale Operator Inbound Gross 87320 lb In 06/16/2021 10:49:41 Scale1 ASHIELD2 38520 lb Tare Out 06/16/2021 11:14:38 Scale1 ASHIELD2 Net 48800 lb Tons 24.40

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
1 Cont Soil Pet-RGC-Tons- 2 EVF-P10-Environmental F 3 SRHD1-Spokane Regional	100	24.40	8		TO THE OWN COLD COLD COLD COLD COLD COLD COLD COLD	SPOKANE SPOKANE SPOKANE

Total Tax/Fees 5 923.58 Total Ticket

Driver's Signature

Graham Road Facility 1820 Scham Road Medicakt Lakeya (WA) p. 189022

Original Ticket# 640560

Not been aded

Ph: (509) 244-0151

Customer Name ABLECLEAN ABLE CLEAN-UP
Ticket Date 06/16/2021 Vehicle#
Payment Type Credit Account Containe
Manual Ticket# Driver
Route
Hauling Ticket# Billing#
Destination Grid
Manifest 11578WA

Carrier LABUTE LABUTE Vehicle# JAY Container Driver JAY Check# Billing# 0000726 Grid Category:
Job # 21214 Fulcrum
Approved:
Check# Paid []

Profile 115978WA (LF02 - Soils with low mercury contamination)
Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

Time Scale Operator Inbound Gross 94580 lb In 06/16/2021 12:07:23 Scale1 ASHIELD2 Tare 37020 lb Out 06/16/2021 12:21:27 Scale1 ASHIELD2 Net 57560 lb Tons 28.78

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		28.78	Tons		100 100 100 100		SPOKANE
3	- BESTELLE LE 및 BESTELLE MENTELLE	100	28.78	Tons				SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

Ashiny



Ph: (509) 244-0151

Container Driver Check#

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY Ticket Date 04/07/2021 Vehicle# JOHN

Ticket Date 04/07/2021 Payment Type Credit Account Manual Ticket#

Route

Hauling Ticket# Destination

Manifest 115978WA
Profile 115978WA (LF02 - Soils with low mercury contamination)
Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

89980 lb Gross Operator Inbound Scale In 04/07/2021 11:28:38 Scale1 Out 04/07/2021 11:43:50 Scale1 42320 lb Tare ashield2 47660 lb Net ashield2 23.83 Tons

Grid

Comments

Prod	duct	LD%	Qty	MOU	Rate	Tax/Fee	Amount Origin
1	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		23.83	Tons			SPOKANE SPOKANE
3		100	23.83	Tons			SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

AS K-John



Ph: (509)244-0151

Container

Billing# 0000726

Driver Check#

Grid

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY Ticket Date 04/07/2021 Vehicle# john

Ticket Date 04/07/2021 Payment Type Credit Account

Route

Hauling Ticket#

Manual Ticket#

Destination

Manifest 115978wa Profile 115978WA (LF02 - Soils with low mercury contamination) Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M PO#

Scale Time Scale
In 04/07/2021 13:57:00 Scale1 Out 04/07/2021 14:12:23 Scale1

Operator ASHIELD2 ASHIELD2

Inbound Gross

Tare Net

Tons

90260 lb 42220 lb 48040 lb 24.02

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		24.02	Tons				SPOKANE SPOKANE
3		100	24.02	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

AS Ar John



Ph: (509)244-0151

Driver Check#

Grid

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY Ticket Date 04/07/2021 Vehicle# john Payment Type Credit Account Container

Manual Ticket#

Route

Hauling Ticket#

Destination

Manifest 115978wa
Profile 115978WA (LF02 - Soils with low mercury contamination)
Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

Billing# 0000726

	Time		Scale	Operator	Inbound	Gross	102460	1b
In	04/07/2021	16:13:37	Scalel	ASHIELD2		Tare	42060	1b
Out	04/07/2021	16:26:28	Scalel	ASHIELD2		Net	60400	lb
						Tons	30	.20

Comments

Pro	duct	LD%	Qty	MOU	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-	100	30.20	Tons				SPOKANE
2	EVF-P10-Environmental F	100		8				SPOKANE
3	SRHD1-Spokane Regional	100	30.20	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature



Ph: (509)244-0151

Container

Billing# 0000726

Driver Check#

Grid

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY Ticket Date 04/22/2021 Vehicle# JAY

Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket# Route

Hauling Ticket#

Destination

Manifest 115978WA
Profile 115978WA (LF02 - Soils with low mercury contamination)
Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

Time Scale Operator
In 04/22/2021 09:51:12 Scale1 ashield2
Out 04/22/2021 10:09:24 Scale1 ashield2

Operator

Inbound

109120 lb Gross 41880 lb Tare 67240 lb Net

33.62 Tons

Comments

Pro	duct	LD%	Qty	MOU	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-		33.62	Tons				SPOKANE
2	EVF-P10-Environmental F	100		95				SPOKANE
3	SRHD1-Spokane Regional	100	33.62	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

AS Roll Bridge



Ph: (509)244-0151

Driver

Check#

Grid

Vehicle# john Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY

Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket#

Route Hauling Ticket# Destination

Manifest 115978wa
Profile 115978WA (LF02 - Soils with low mercury contamination) Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

Scale Operator In 04/22/2021 12:03:51 Scale1 ashield2 Out 04/22/2021 12:19:28 Scale1 ashield2

Inbound Gross

Tare

Net Tons 111940 lb 41800 lb 70140 lb 35.07

Comments

Prod	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
1 2 3	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental I SRHD1-Spokane Regional	F 100	35.07 35.07	Tons % Tons			SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

M.L



JH BRADY

Ph: (509) 244-0151

Vehicle# JAY Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier Ticket Date 04/22/2021 Vehicle# Payment Type Credit Account Container Manual Ticket# Driver

Route

Hauling Ticket#

Destination

Grid Manifest 115978WA Profile 115978WA (LF02 - Soils with low mercury contamination)

ABROW Bridy

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

Check#

PO#

	Time		Scale	Operator	Inbound	Gross	109120	lb
	04/22/2021			ashield2		Tare	41880	1b
Out	04/22/2021	10:09:24	Scalel	ashield2		Net	67240	lb
						Tons	33.	. 62

Comments

Product		LD%	Qty	MOU	Rate	Tax/Fee	Amount Origin
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental E		33.62	Tons			SPOKANE SPOKANE
3	SRHD1-Spokane Regional	100	33.62	Tons			SPOKANE

Total Tax/Fees Total Ticket

Driver`s Signature

Facility ham Road Medical TEaker Advance 19022

Original Ticket# 636138

JH BRADY

Ph: (509) 244-0151

Vehicle# JOHN Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier

Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket#

Route

Hauling Ticket#

Destination

Manifest 115978WA

115978WA (LF02 - Soils with low mercury contamination)

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

Driver

Check#

Grid

Time Scale Operator 74000 lb Inbound Gross In 04/22/2021 14:29:00 Scale1 ASHIELD2 46640 lb Tare Out 04/22/2021 14:43:28 Scale1 ASHIELD2 Net 27360 lb Tons 13.68

Comments

Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount Origin
1 Cont Soil Pet-RGC-Tons 2 EVF-P10-Environmental 3 SRHD1-Spokane Regional	F 100	13.68 13.68	Tons %			SPOKANE SPOKANE SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

Me



Original

Ticket# 636115

Ph: (509)244-0151

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier BODES

Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket#

Route Hauling Ticket#

Destination

Vehicle# JAY
Container
Driver

Check# Billing# 0000726

Grid

Manifest 1 Profile 115978WA (LF02 - Soils with low mercury contamination)

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

Time Scale Operator Inbound Gross 93480 lb
In 04/22/2021 13:16:45 Scale1 sharrin5 Tare 38640 lb
Out 04/22/2021 13:37:39 Scale1 ashield2 Net 54840 lb
Tons 27.42

Comments

Pro	duct	LD%	Qty	MOD	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-		27.42	Tons				SPOKANE SPOKANE
2	EVF-P10-Environmental F SRHD1-Spokane Regional	100	27.42	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

AS Kruby

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

ham Road Mediwalsteakeyaddyen89022

Original

Ticket# 636080

Ph: (509)244-0151

Driver

Check#

Grid

Vehicle# JAY Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier BODES

Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket#

Route Hauling Ticket#

Destination

Manifest 115978wa

Profile 115978WA (LF02 - Soils with low mercury contamination) Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

PO#

Time Scale Operator In 04/22/2021 10:46:16 Scale1 ashield2 Out 04/22/2021 11:06:30 Scale1 ashield2

Inbound

Gross 95580 lb 38720 lb Tare 56860 lb Net

28.43 Tons

Comments

Pro	duct	LD%	Qty	MOU	Rate	Tax/Fee	Amount	Origin
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		28.43	Tons				SPOKANE
3	SRHD1-Spokane Regional		28.43	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Facility ham Road MediackTLakenadlagen89022

Original Ticket# 636138

Ph: (509)244-0151

Container

Billing# 0000726

Driver

Check#

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier JH BRADY Ticket Date 04/22/2021 Vehicle# JOHN Ticket Date 04/22/2021 Payment Type Credit Account

Manual Ticket#

Route

Hauling Ticket# Destination

Manifest 115978WA Profile 115978WA

115978WA (LF02 - Soils with low mercury contamination)

Me

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

Grid

PO#

Time Inbound 74000 lb Scale Operator Gross In 04/22/2021 14:29:00 Scale1 46640 lb ASHIELD2 Tare Out 04/22/2021 14:43:28 Scale1 27360 lb ASHIELD2 Net Tons 13.68

Comments

Pro	duct	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Cont Soil Pet-RGC-Tons-	100	13.68	Tons	300000000		10001550	SPOKANE
2	EVF-P10-Environmental F	100		8				SPOKANE
3	SRHD1-Spokane Regional	100	13.68	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.

Facility Graf ham Road 1820 Medicals Thankey Adving 189022

Original Ticket# 636692

Ph: (509)244-0151

Driver Check#

Grid

Container

Billing# 0000726

Customer Name ABLECLEAN ABLE CLEAN-UP Carrier ABLECLEANUP ABLE CLEANUP TECHNOLOGIE Ticket Date 04/29/2021 Vehicle# DARREN

Ticket Date 04/29/2021 Payment Type Credit Account

Manual Ticket#

Route

Hauling Ticket# Destination

Manifest 115978WA

Profile 115978WA (LF02 - Soils with low mercury contamination)

Generator 168-ABLE CLEAN-UP TECHNOLOGIES ABLE CLEAN-UP TECHNOLOGIES INC 9725 N NINE M

21122 PO#

62660 lb Inbound Gross Scale Operator 30880 lb FBAXTER Tare In 04/29/2021 10:36:32 Scale1 31780 lb Net Out 04/29/2021 10:47:26 Scale1 FBAXTER Tons 15.89

Comments

Product		LD% Qty	UOM	Rate	Tax/Fee	ee Amount	Origin	
1 2	Cont Soil Pet-RGC-Tons- EVF-P10-Environmental F		15.89	Tons				SPOKANE SPOKANE
3	SRHD1-Spokane Regional		15.89	Tons				SPOKANE

Total Tax/Fees Total Ticket

Driver's Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic limitation.



APPENDIX H

Terrestrial Ecological Evaluation Form



Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

- 1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
- 2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
- 3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation.

Step 1: IDENTIFY HAZARDOUS WASTE SITE				
Please identify below the hazardous waste site for which you are documenting an evaluation.				
Facility/Site Name: Sundance Golf Course				
Facility/Site Address: 9725 North Nine Mile Road, Nine Mile Falls, Washington 99026				
Facility/Site No: 78213	VCP Project No.: NA			

Step 2: IDENTIFY EVALUATOR						
Please identify below the pe	Please identify below the person who conducted the evaluation and their contact information.					
Name: Travis Trent				Title: Principal		
Organization: Fulcrum En	Organization: Fulcrum Environmental Consulting, Inc.					
Mailing address: 207 West Boone Avenue						
City: Spokane			te: WA	Zip code: 99201		
Phone: 509-459-9220	Fax: 509-459-9219)	E-mail: ttrer	nt@efulcrum.net		

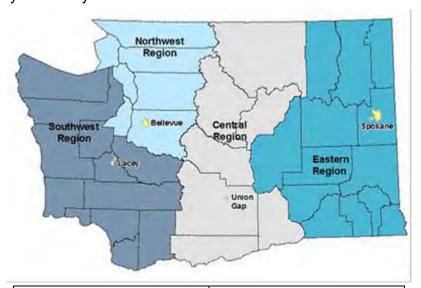
Step 3: DOCUMENT EVALUATION TYPE AND RESULTS A. Exclusion from further evaluation. 1. Does the Site qualify for an exclusion from further evaluation? If you answered "YES," then answer Question 2. ⊠ Yes No or If you answered "NO" or "UNKNOWN," then skip to Step 3B of this form. Unknown 2. What is the basis for the exclusion? Check all that apply. Then skip to Step 4 of this form. Point of Compliance: WAC 173-340-7491(1)(a) All soil contamination is, or will be,* at least 15 feet below the surface. All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination. Barriers to Exposure: WAC 173-340-7491(1)(b) All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination. Undeveloped Land: WAC 173-340-7491(1)(c) There is less than 0.25 acres of contiquous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene. For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site. Background Concentrations: WAC 173-340-7491(1)(d) Concentrations of hazardous substances in soil do not exceed natural background levels \boxtimes as described in WAC 173-340-200 and 173-340-709. * An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology. [±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil. # "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

В.	Simplified ev	valuation.
1.	Does the Site	e qualify for a simplified evaluation?
	☐ Yes	If you answered "YES," then answer Question 2 below.
	⊠ No o Unknow	IT VOLLANSWERED "NO" OF "LINKNOWN" THEN SKIN TO STED SO. OF THIS TORM
2.	Did you cond	duct a simplified evaluation?
	☐ Yes	If you answered "YES," then answer Question 3 below.
	☐ No	If you answered "NO," then skip to Step 3C of this form.
3.	Was further e	evaluation necessary?
	☐ Yes	If you answered "YES," then answer Question 4 below.
	☐ No	If you answered "NO," then answer Question 5 below.
4.	If further eva	luation was necessary, what did you do?
		Used the concentrations listed in Table 749-2 as cleanup levels. If so, then skip to Step 4 of this form.
		Conducted a site-specific evaluation. If so, then skip to Step 3C of this form.
5.	If no further of to Step 4 of the	evaluation was necessary, what was the reason? Check all that apply. Then skip nis form.
	Exposure Ana	alysis: WAC 173-340-7492(2)(a)
		rea of soil contamination at the Site is not more than 350 square feet.
		Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.
	Pathway Ana	lysis: WAC 173-340-7492(2)(b)
		lo potential exposure pathways from soil contamination to ecological receptors.
	Contaminant	Analysis: WAC 173-340-7492(2)(c)
		No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
	□ a li	No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values sted in Table 749-2, and institutional controls are used to manage remaining contamination.
	□ c	No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
	□ atl	No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C.	C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).						
1.	Was there a pro	blem? See	WAC 173-340-7493(2).				
	☐ Yes	If you answ	ered "YES," then answer Question 2 below.				
	⊠ No	No If you answered "NO," then identify the reason here and then skip to Question 5 below:					
		\boxtimes	No issues were identified during the problem formulation step.				
			While issues were identified, those issues were addressed by the cleanup actions for protecting human health.				
2.	What did you do	o to resolve	the problem? See WAC 173-340-7493(3).				
	I I	ed the concer estion 5 belo	ntrations listed in Table 749-3 as cleanup levels. <i>If so, then skip to ow.</i>				
			re of the methods listed in WAC 173-340-7493(3) to evaluate and ntified problem. <i>If so, then answer Questions 3 and 4 below.</i>				
3.	•		te-specific evaluations, what methods did you use? .C 173-340-7493(3).				
	Lite	rature survey	/s.				
	☐ Soil bioassays.						
	☐ Wildlife exposure model.						
	☐ Biomarkers.						
	Site-specific field studies.						
	Weight of evidence.						
	Oth	er methods a	approved by Ecology. If so, please specify:				
4.	4. What was the result of those evaluations?						
	☐ Con	ifirmed there	was no problem.				
	☐ Con	ifirmed there	was a problem and established site-specific cleanup levels.				
5.	Have you alrea problem resolu		Ecology's approval of both your problem formulation and				
	☐ Yes	If so, please	e identify the Ecology staff who approved those steps:				
	⊠ No						

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452

Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775 Central Region:
Attn: VCP Coordinator

1250 West Alder St. Union Gap, WA 98903-0009

Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295



APPENDIX I

Remediation Checklist

Remedial Investigation Checklist

Toxics Cleanup Program



May 2016

Publication No. 16-09-006

FOR ECOLOGY USE ONLY

Site Name/FSID

Report Name

Date Submitted:

Reviewed By:

Review Date

Remedial Investigation (RI) Checklist Guidance

The Model Toxics Control Act (MTCA) regulation Washington Administrative Code (WAC) 173-340-350(7) broadly describes the elements necessary to complete a RI. The purpose of a RI is to collect and evaluate sufficient information to fully characterize the nature and extent of contamination at a site.

This RI checklist is considered guidance based on the MTCA cleanup regulation WAC 173-340. Cleanup project managers with the Washington State Department of Ecology FOR ECOLOGY USE ONLY (Ecology) have discretion when reviewing and accepting RI reports as Comments site-specific circumstances dictate the necessary scope and breadth of each report. **Remedial Investigation Report Body** Cover Letter. Include a letter describing the submittal and specifying the desired department action or response. II. Introduction. a. **General Site Information.** Include contact information for project coordinators (Ecology site manager, consultants, potentially liable persons (PLP), and current owner/operator). Include the site name and identification numbers, general description, and location (e.g., GPS coordinates, assessor parcel number, Quarter Section Township Range, address). b. **Site History.** Describe site from earliest known time of habitation and/or development. Describe previous owners/operators, past uses of the site, and all potential/known sources (both on-site and off-site) of contamination (e.g., petroleum storage tanks, manufacturing processes, chemical storage, etc.). Include approximate dates or periods of past product and waste spills, identification of the materials spilled, and amount/location of the spill. c. Site Use. Describe current site uses, land use/zoning, and future use plans. **III. Field Investigations** a. Previous Environmental Investigations. Discuss prior work performed, samples obtained, why sampling locations were chosen, etc. Cite any previous environmental reports. b. Site Characterization. Discuss current site characterization activities for each site media (surface water/sediments, soils, groundwater systems, air, and cultural history/archeology, if applicable). Name site contaminants of concern (COCs) and discuss why they were chosen for analysis. Describe how prior and current work efforts contribute to the understanding of the nature and extent of contamination.

FOR ECOLOGY USE ONLY

c. Sampling/Analytical Results. Discussion of sampling/analytical results should include contaminants analyzed for in samples from each applicable site media (soil, groundwater, vapor, surface water). Include comparison of the results to the applicable Method (A, B, or C) cleanup level, sampling method, laboratory method, and any special sampling or analytical protocols (silica gel, filtration, etc.). Evaluate the quality of the data.

IV. Conceptual Site Model

a. Conceptual Site Model (CSM). Discuss contaminant release, fate and transport, exposure pathways (surface water, groundwater wells, air, direct contact, etc.), and potential receptors (human, aquatic, terrestrial). Describe typical concerns for this type of environmental contamination, and include a discussion of site specific concerns (hydro-geologic setting, receptors, current or future site zoning/land use etc.).

V. Proposed Cleanup Standards

- a. General. Clearly identify proposed cleanup levels for each media and rationale for selected level. Explain/justify mixing MTCA methods for different media. Must include a demonstration of conditions that require a calculated solution if one is to be use (e.g., background calculations, use of Method B or C, etc.) and show calculation of the cleanup level, including a list of the input parameters. Include point(s) of compliance.
- b. Terrestrial Ecological Evaluation (TEE). A TEE should be performed, if required, as part of cleanup level selection. Reference WAC 173-340-7491 to see if the site qualifies for an exclusion.

www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm

VI. Summary, Conclusions, and Recommendations

- a. **Summary and Conclusions.** Summarize what is known about the site and contamination (updated CSM). Include discussion of COCs that exceed MTCA or are "indicator hazardous substances." Ensure conclusions are supported by the tables and figures included with the report.
- b. **Recommendations.** Outline possible interim/remedial actions if appropriate.

Remedial Investigation Figures

General – Figures should include a north arrow, scale, complete legend, measurement units, and annotated clarification as necessary. Figures should not be cluttered and must be legible and explicable. Document text must reference figures and draw conclusions consistent with information presented on figures. Consider using multiple figures when showing large amounts of information.

nate nplete ng
Adequate Incomplete Missing N/A

I. Vicinity Map(s)

- a. Show property in relation to surrounding region. Area covered by Vicinity Map should be proportional to site size.
- b. Show other applicable items including (but not limited to): surface topography, natural areas, surrounding land uses, location of groundwater supply and monitoring wells within a one mile radius.

II. Site Map(s)

- a. Show overall site layout with site features and existing well, boring, and sampling locations labeled consistently with current and historical site data and sample names used in the report. If multiple names exist for a sampling location or area of the site indicate this.
- b. Include COC locations, concentrations, and estimated vertical and horizontal extent of contamination for site media, as applicable. Include waste materials present on site as well as hazardous substance treatment, storage, or disposal areas (show current and historical features).
- c. Show geologic/hydrogeologic information including soil types, wells, screened intervals, and water levels (cross sections are useful for showing this information). Show groundwater flow direction and gradient.
- d. Show other relevant information including (but not limited to): site and property boundaries, buildings/facilities on site, historical site features, underground storage tanks (USTs), previous excavation/interim action activity, etc.

III. Conceptual Site Model

a. Provide figures showing contaminant release(s), fate and transport, exposure pathways, and potential and/or actual receptors. The lateral and vertical extent of contamination, as currently understood, should be clearly conveyed.

Remedial Investigation Tables

General - Tables should include detailed notes that explain any laboratory or other designations, assumptions, and references. All acronyms used in the table should be defined in a section of the notes even if they are defined in the body of the report, so table information can be quickly understood.

- a. **Sampling Information/Laboratory Methods.** Include current and historical sampling methods and numerical cleanup levels, lab methods, reporting limits, and any special sampling protocols with justification or explanation (e.g. silica gel, filtration).
- b. **Cleanup Levels.** Include potentially applicable ARAR values and recommended cleanup levels.

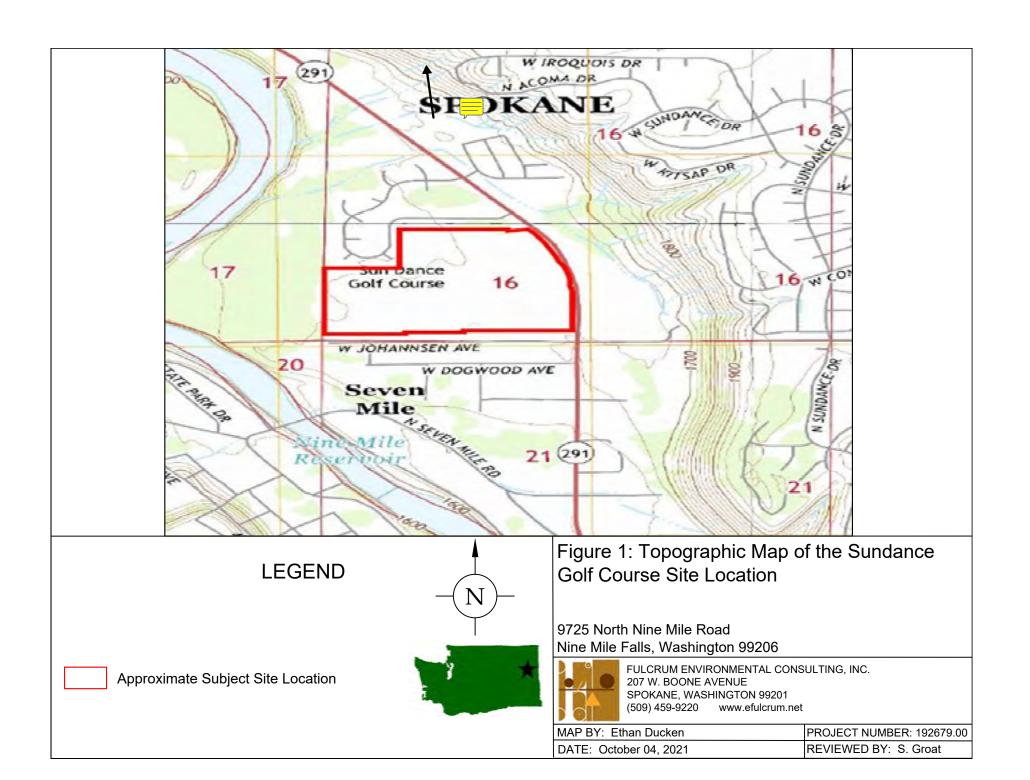
FOR	ECOLO	OGY USE ONLY Comments
		1
Adequate	Missing N/A	
]
		'
]

c.	Site Data. Include current and historical analytical and field-measured data. Group by media type. For larger data sets, consider making a summary table of exceedances. Tables should include proposed cleanup levels with any contaminant exceedances clearly indicated using bold font or shading. Non-detectible levels should be noted as 'U' with the numerical laboratory reporting limit (RL) provided rather than 'ND'.	FOR ECOLOGY USE ONLY Comments N/A Wissing N/A
		Adequate Incomplet Missing N/A
explain	al. Appendices should contain a description of content and how to interpret the information for use. Not all of the ng suggestions will apply to all sites.	Ade Inco Miss N/A
a.	Exploratory logs, well installation diagrams, groundwater sampling logs, and field records.	
b.	Analytical laboratory report and Quality Assurance/Quality Control report.	
c.	Limitations. Explain any limitations that apply to the work.	
d.	Details of field and analytical methods used in former and current investigations and remedial activities. If applicable, append Work Plan/Sampling and Analysis Plan/Quality Assurance Project Plan/Health and Safety Plan.	
e.	Other documents that provide additional context or contribute to the understanding of the site – see suggested report format for additional information.	
Miscel	laneous Items	
a.	Environmental Information Management (EIM). All sampling data must be uploaded into Ecology's EIM database. This allows Ecology to access data, check results, and/or perform additional analyses. For more information, reference:	
www.ee	cy.wa.gov/programs/tcp/data_submittal/Data_Requirements.htm	
b.	Certification (Licensed Professional Stamp). Engineering, geologic, and hydrogeologic work must be performed under seal of an appropriately licensed professional (RCW 18.43 and 18.220).	
c.	Additional information may be requested by Ecology as required to fully define the site.	
d.	Submittal Requirements: Ecology requests three copies of reports submitted per WAC 173-340-850. Please contact the cleanup project manager for specific submittal requirements.	
visually	nest ADA accommodation or materials in a format for the impaired, call Ecology at 509-454-7834, Relay Service 711, 877-833-6341.	



FIGURES

- Figure 1: Topographic Map of the Sundance Golf Course Site Location
- Figure 2: Soil Characterization Sample Location Map
- Figure 3: Remedial Confirmation Sample Location Map
- Figure 4: Putting Green #2 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 5: Putting Green #3 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 6: Putting Green #4 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 7: Putting Green #5 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 8: Putting Green #7 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 9: Putting Green #8 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 10: Putting Green #9 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 11: Putting Green #10 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 12: Putting Green #11 Remedial Excavation Confirmatory Soil Sample Locations
- Figure 13: Putting Green #17 Remedial Excavation Confirmatory Soil Sample Locations





- Negative mercury characterization soil sample
- Positive mercury characterization soil sample
- <u>#</u> Putting Green Number

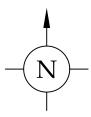
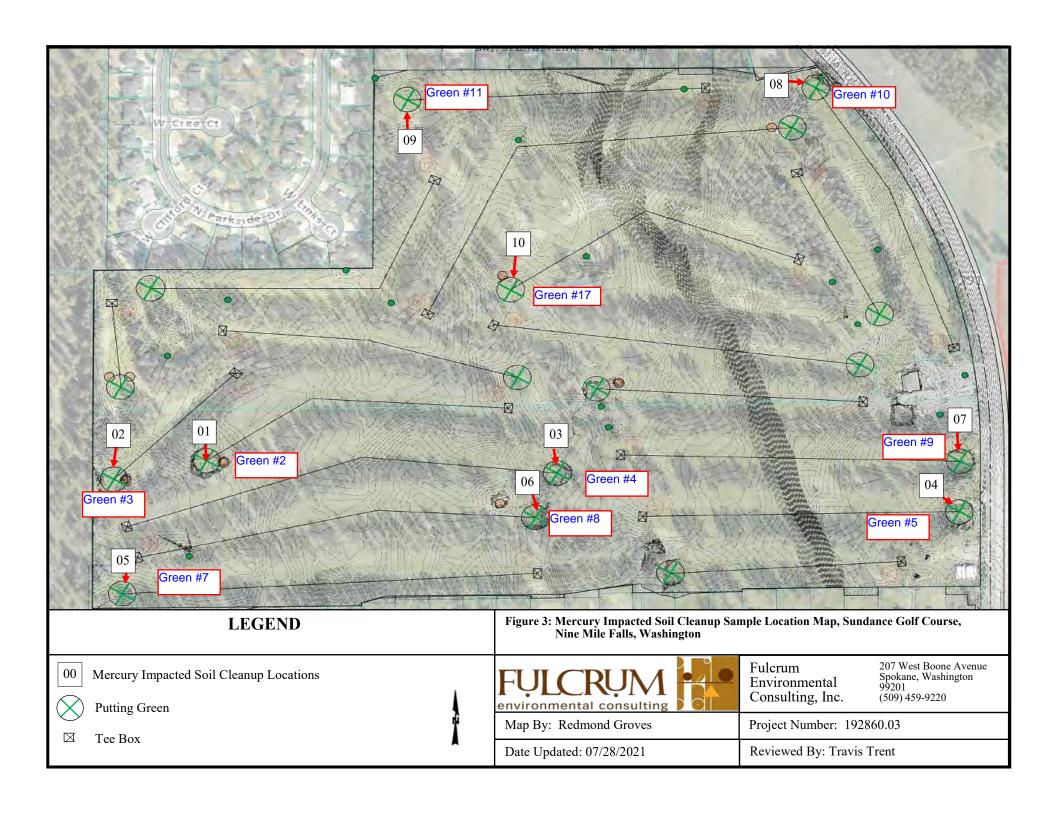


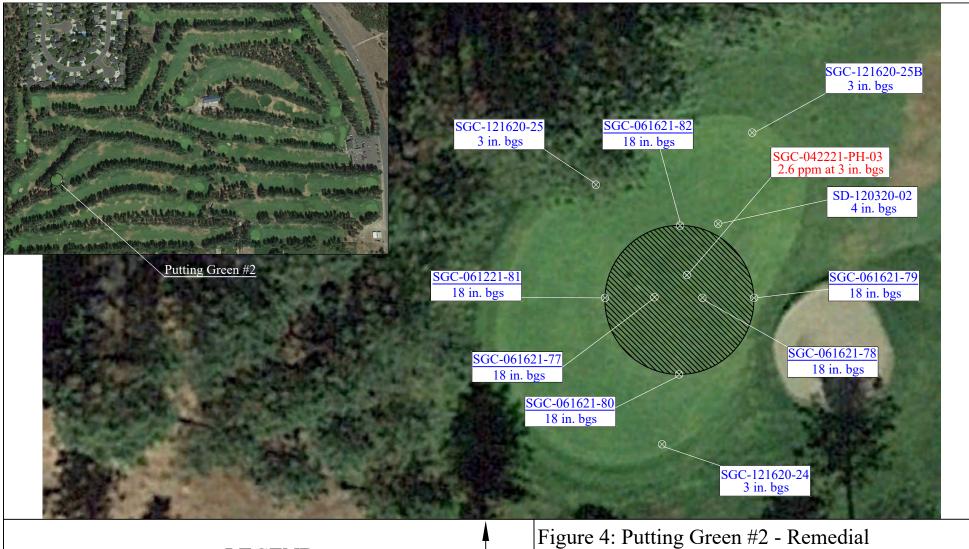
Figure 2: Soil Characterization Sample Location Map

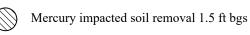
9725 North Nine Mile Road Nine Mile Falls, Washington 99206



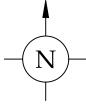
MAP BY: Ethan Ducken	PROJECT NUMBER: 192860.03
DATE: September 21, 2021	REVIEWED BY: T. Trent







- 00 Negative mercury characterization soil sample
- 00 Negative mercury confirmatory soil sample
- 00 Positive mercury characterization soil sampleppm Parts per million



Approximate Scale in Feet

Figure 4: Putting Green #2 - Remedial Excavation Confirmatory Soil Sample Locations

9725 North Nine Mile Road Nine Mile Falls, Washington 99206



MAP BY: Ethan Ducken	PROJECT NUMBER: 192860.03
DATE: September 21, 2021	REVIEWED BY: T. Trent



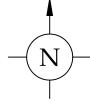
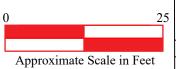


Figure 5: Putting Green #3 - Remedial Excavation Confirmatory Soil Sample Locations

Mercury impacted soil removal 1.5 ft bgs

- 00 Negative mercury characterization soil sample
- 00 Negative mercury confirmatory soil sample
- OO Positive mercury characterization soil sample ppm Parts per million

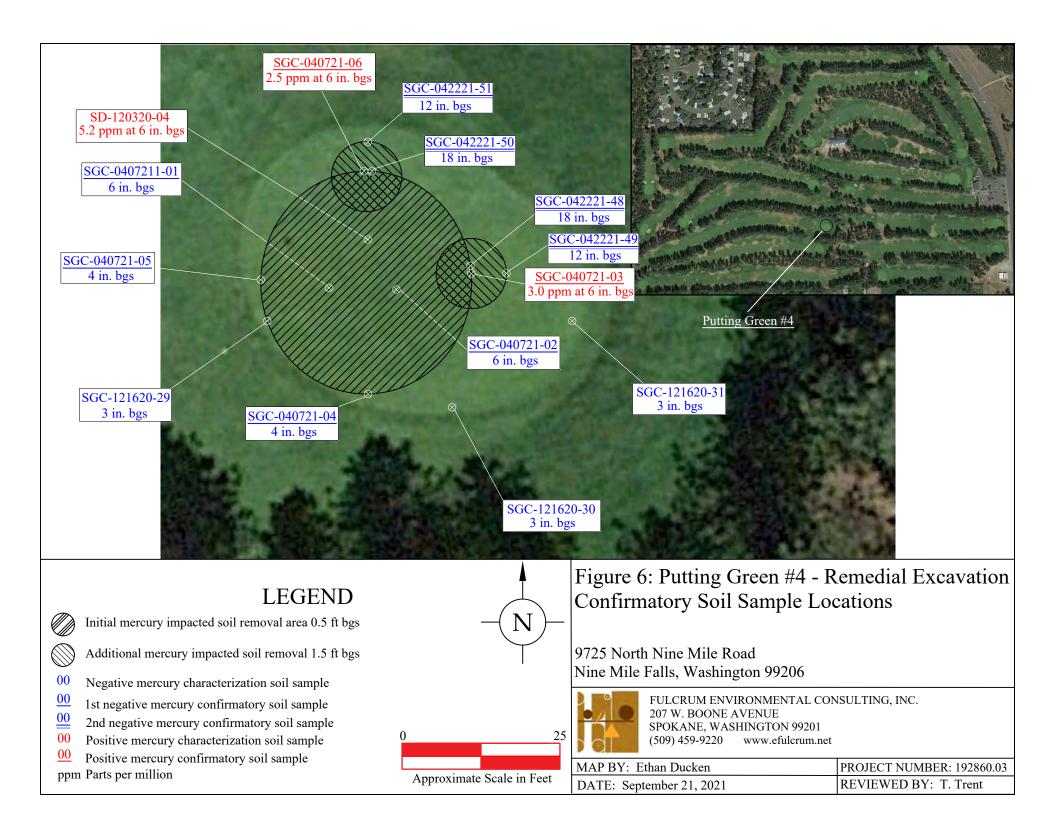


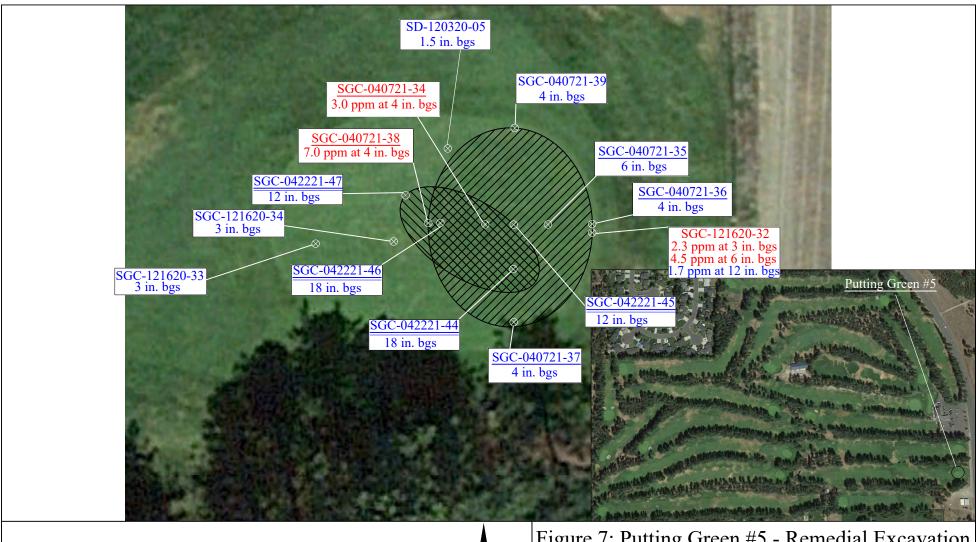
9725 North Nine Mile Road Nine Mile Falls, Washington 99206

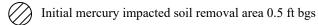


FULCRUM ENVIRONMENTAL CONSULTING, INC. 207 W. BOONE AVENUE SPOKANE, WASHINGTON 99201 (509) 459-9220 www.efulcrum.net

MAP BY: Ethan Ducken PROJECT NUMBER: 192860.03
DATE: September 21, 2021 REVIEWED BY: T. Trent







Additional mercury impacted soil removal 1.5 ft bgs

Negative mercury characterization soil sample

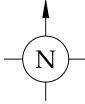
1st negative mercury confirmatory soil sample

<u>00</u> 2nd negative mercury confirmatory soil sample

00 Positive mercury characterization soil sample

OO Positive mercury confirmatory soil sample

ppm Parts per million



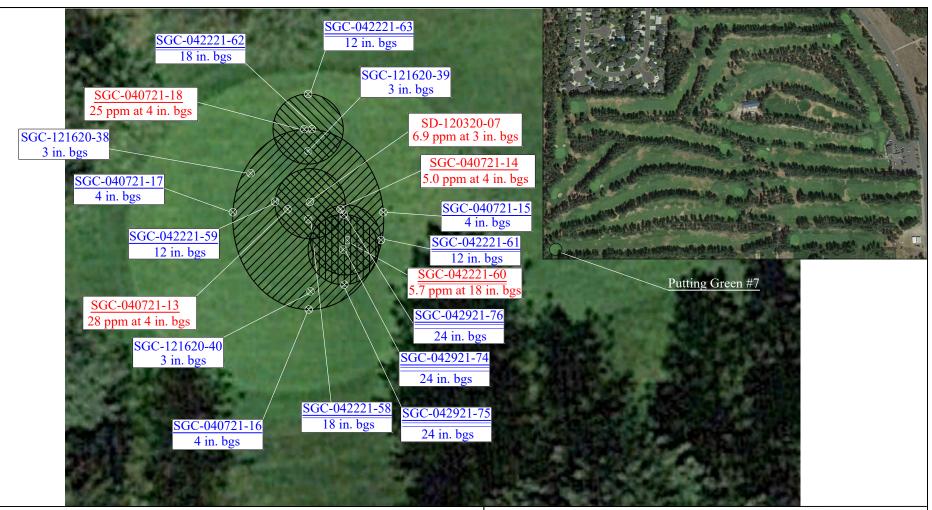
Approximate Scale in Feet

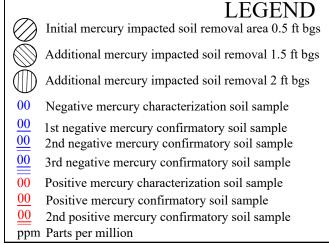
Figure 7: Putting Green #5 - Remedial Excavation Confirmatory Soil Sample Locations

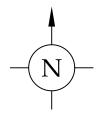
9725 North Nine Mile Road Nine Mile Falls, Washington 99206



MAP BY: Ethan Ducken	PROJECT NUMBER: 192860.03
DATE: September 21, 2021	REVIEWED BY: T. Trent







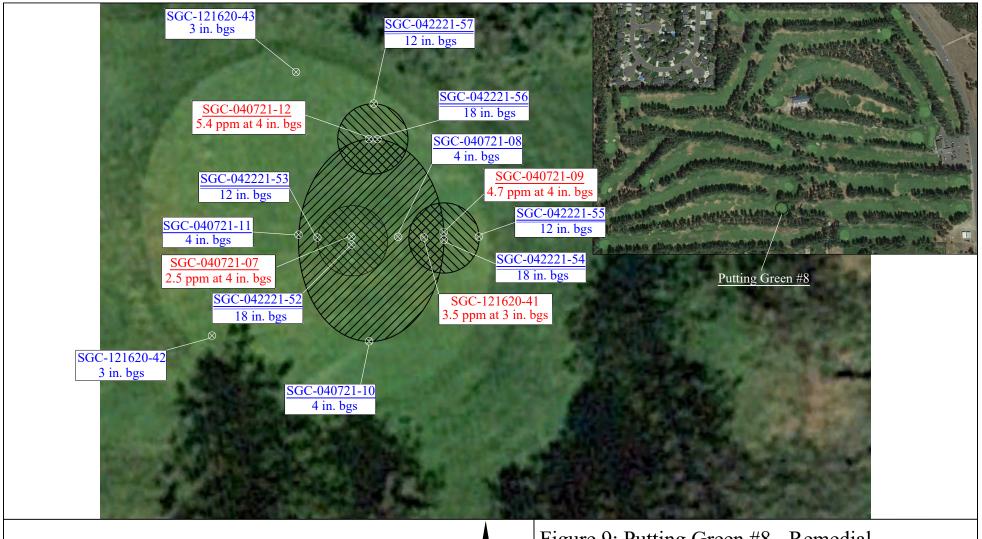
Approximate Scale in Feet

Figure 8: Putting Green #7 - Remedial Excavation Confirmatory Soil Sample Locations

9725 North Nine Mile Road Nine Mile Falls, Washington 99206



MAP BY: Ethan Ducken	PROJECT NUMBER: 192860.03
DATE: September 21, 2021	REVIEWED BY: T. Trent





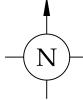
Initial mercury impacted soil removal area 0.5 ft bgs



Additional mercury impacted soil removal 1.5 ft bgs

- - Negative mercury characterization soil sample
- 00 1st negative mercury confirmatory soil sample
- 2nd negative mercury confirmatory soil sample
- 00 Positive mercury characterization soil sample
- Positive mercury confirmatory soil sample

ppm Parts per million



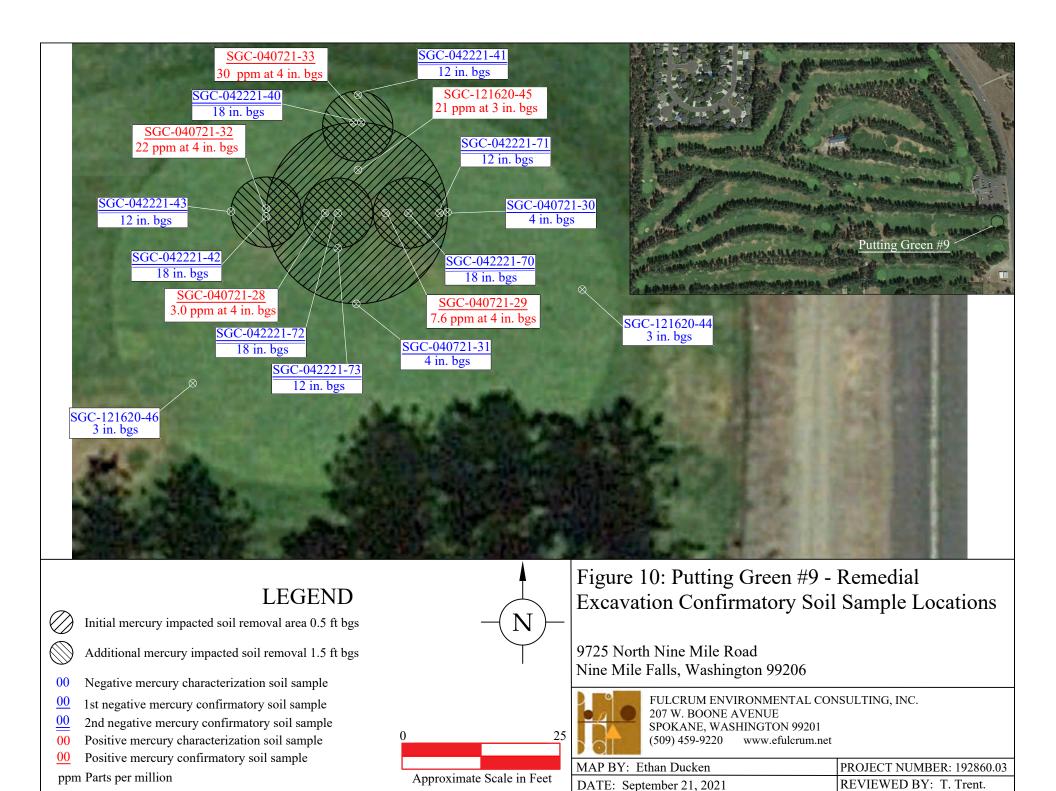
Approximate Scale in Feet

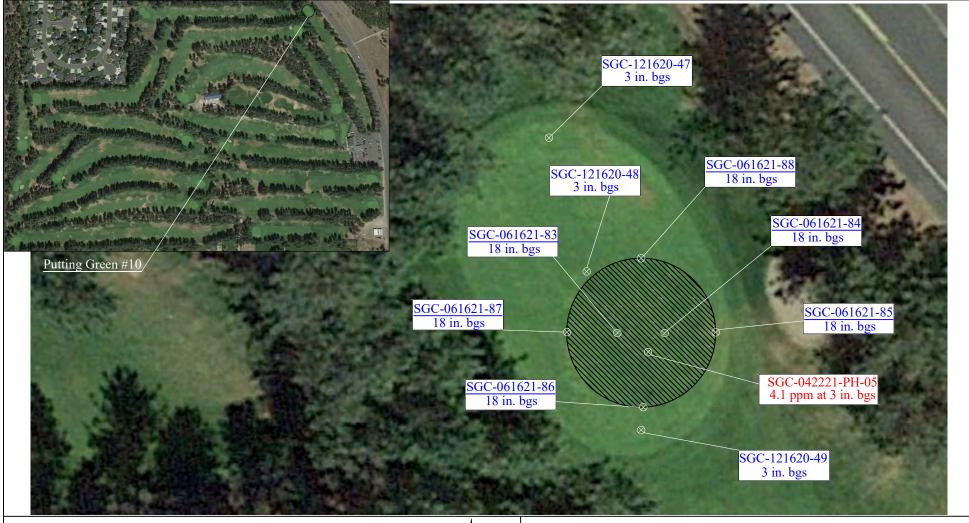
Figure 9: Putting Green #8 - Remedial **Excavation Confirmatory Soil Sample Locations**

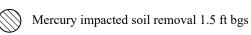
9725 North Nine Mile Road Nine Mile Falls, Washington 99206



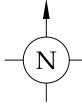
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- Negative mercury characterization soil sample
- 00 Negative mercury confirmatory soil sample
- OO Positive mercury characterization soil sample ppm Parts per million



Approximate Scale in Feet

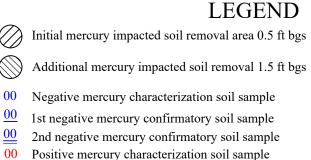
Figure 11: Putting Green #10 - Remedial Excavation Confirmatory Soil Sample Locations

9725 North Nine Mile Road Nine Mile Falls, Washington 99206



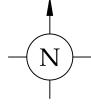
MAP BY: Ethan Ducken	PROJECT NUMBER: 192860.03
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Positive mercury confirmatory soil sample

ppm Parts per million



Approximate Scale in Feet

Excavation Confirmatory Soil Sample Locations

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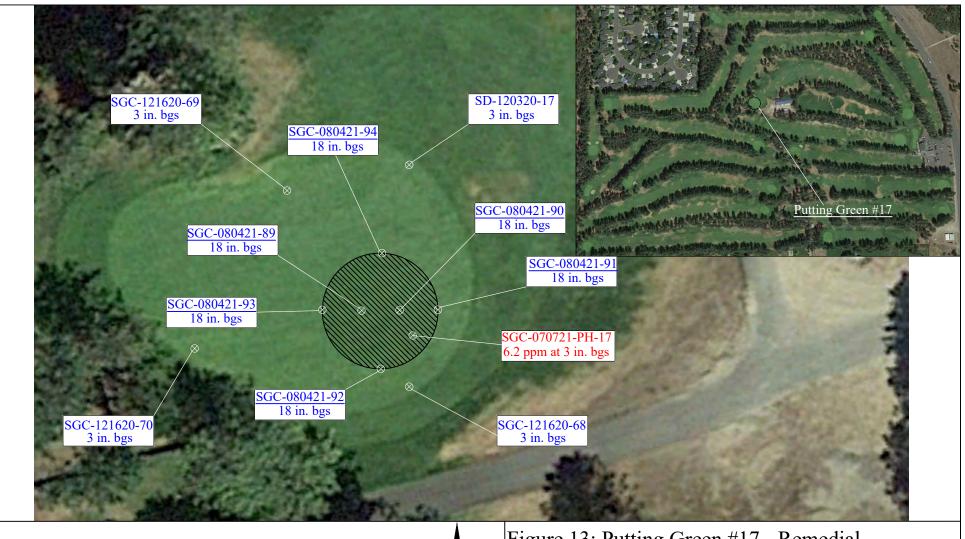
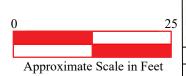




Figure 13: Putting Green #17 - Remedial Excavation Confirmatory Soil Sample Locations

Mercury impacted soil removal 1.5 ft bgs

- 00 Negative mercury characterization soil sample
- 00 Negative mercury confirmatory soil sample
- OO Postive mercury characterization soil sample ppm Parts per million



9725 North Nine Mile Road Nine Mile Falls, Washington 99206

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