

June 2021 Parcel 14



## Data Report and Cleanup Plan Parcel 14 Slag Removal

Prepared for Port of Tacoma

June 2021 Parcel 14

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**Prepared for** 

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#### **CERTIFICATION**

This report was prepared by the staff of Anchor QEA, LLC, under the supervision of the Geologist whose seal and signature appears hereon, as required by Chapter 308-15-075 of the Washington Administrative Code (WAC).



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#### **TABLE OF CONTENTS**

1	Intr	oduction	1			
2	Вас	Background				
	2.1	2010 Site Investigation				
	2.2	2014 Soil Testing				
	2.3	2014 Soil Removal	3			
	2.4	2021 Discovery of Additional Slag Materials	3			
3	Nature and Extent of Contamination					
	3.1	Extent of Impacted Duff Material	4			
	3.2	Extent of Impacted Soils	4			
	3.3	Results of TCLP Testing	6			
	3.4	Results of SPLP Testing	6			
4	Clea	anup Plan	7			
	4.1	Contaminated Duff and Soil Removal	7			
	4.2	Stormwater Protection Measures	7			
	4.3	Performance Monitoring	8			
	4.4	Completion of Work	8			
	4.5	Reporting	8			
5	Ref	erences	9			

#### **TABLES**

Table 1	Arsenic Distribution in Duff Material
Table 2	Results of Follow-up Soil Arsenic Testing Performed by the Port
Table 3	Results of Soil Testing in Areas Free of Slag or Arsenic Impacts
Table 4	Lateral and Vertical Delineation of Arsenic-Contaminated Soils
Table 5	TCLP and SPLP Testing Results

#### **FIGURES**

Figure 1 Site Overview

Figure 2 Extent of Arsenic Contamination in Duff Material
Figure 3 Extent of Slag and Arsenic Concentration in Soil

Figure 4 Proposed Cleanup Plan

#### **APPENDICES**

Appendix A Analytical Testing Data from Port Duff and Soil Sampling Effort

Appendix B Observations from Anchor QEA Test Pit and Hand Auger Investigations

Appendix C Analytical Testing Data from Anchor QEA Soil Sampling Efforts

#### **ABBREVIATIONS**

ASARCO American Smelting and Refining Company

Cleanup Plan Data Report and Cleanup Plan

cy cubic yards

Ecology Washington State Department of Ecology

GPS Global Positioning System

Habitat Project Lower Wapato Creek Habitat Project

LRI Land Resources, Inc.
mg/kg milligrams per kilogram
MTCA Model Toxics Control Act

PAH polycyclic aromatic hydrocarbon

Port Port of Tacoma
Property Parcel 14 property

Site Parcel 14 contaminated site areas

SPLP synthetic precipitation leaching procedure TCLP toxicity characteristic leaching procedure

UCL upper-confidence limit

WAC Washington Administrative Code

#### 1 Introduction

This Data Report and Cleanup Plan (Cleanup Plan) summarizes the cleanup plan to be implemented to remove localized deposits of American Smelting and Refining Company, LLC (ASARCO) slag from the Parcel 14 property (Property) contaminated site areas (Site) of the Port of Tacoma (Port).

Parcel 14 is located at 1131 Alexander Avenue in Tacoma, east of Wapato Creek and south of Highway 509 (Figure 1). The Property is currently vacant and is owned by the Port. Parcel 14 is being developed as a habitat enhancement area known as the Lower Wapato Creek Habitat Project (Habitat Project). The development of the Habitat Project is scheduled for completion during summer and fall of 2021.

As described in Section 3, limited areas of ASARCO slag and associated arsenic-contaminated soils have been identified in soils located in the eastern portion of Parcel 14. ASARCO slag is known to contain concentrations of arsenic that exceed applicable Model Toxics Control Act (MTCA) cleanup levels. It has a characteristic appearance and composition. Once the Port discovered the presence of slag at the Site, the Port retained Anchor QEA, LLC (Anchor QEA) to delineate the extent of the slag and associated contaminated soils and to develop this Cleanup Plan.

The extent of soils impacted by slag and associated arsenic contamination areas have been delineated laterally and vertically. Soils that contain slag or that contain arsenic at concentrations exceeding MTCA Method A cleanup levels for unrestricted uses (20 milligrams per kilogram [mg/kg]) are to be removed and disposed of at a commercial landfill.

This Cleanup Plan is proposed for implementation during summer of 2021 prior to implementation of Habitat Project construction activities within the Site. The methods to be used for implementation of the Cleanup Plan are described in Section 4.

#### 2 Background

This section describes previous environmental testing and cleanup work implemented at Parcel 14 prior to discovery of the slag materials that are the subject of this Cleanup Plan.

#### 2.1 2010 Site Investigation

In 2010, GeoEngineers, Inc., completed a hydrogeologic and environmental investigation of subsurface conditions at Parcel 14. The subsurface investigation at Parcel 14 was completed in cooperation with Grette Associates and the Port. That study supported design and permitting for the Habitat Project (GeoEngineers 2010).

The investigation included excavation of test pits, the drilling of nine borings, the installation of four piezometers, soil analytical testing, and the installation of water level monitoring equipment.

GeoEngineers excavated 27 test pits throughout Parcel 14, evaluated soil types, and conducted analytical testing of selected soil samples. Soil samples were tested for heavy metals, semivolatile organic compounds, polychlorinated biphenyls, pesticides, herbicides, and petroleum.

All soil testing data complied with applicable MTCA Method A or B cleanup levels except for arsenic. Out of 24 soil samples tested for arsenic, two samples exceeded the MTCA Method A soil cleanup level (20 mg/kg) for unrestricted land use.

Based on this sampling effort, GeoEngineers concluded that arsenic-contaminated soil within the fill unit appeared to be isolated to the northeast portion of the site and that the source of the arsenic-contaminated soil appears to be related to slag in that area of the fill soil.

#### 2.2 2014 Soil Testing

In 2014, Anchor QEA, LLC, conducted an additional sampling effort (Anchor QEA 2014) to expand on the GeoEngineers study. This testing was focused on delineating areas of arsenic-impacted soil in the northeastern portion of Parcel 14, specifically in the areas previously identified by GeoEngineers.

Arsenic testing was performed on 30 individual soil samples and two duplicate samples. Measured arsenic concentrations in the soil samples ranged from 6 to 95 mg/kg. Leaching tests (using the synthetic precipitation leaching procedure [SPLP]) demonstrated that the arsenic in the impacted soils was not leachable.

Data from this study were pooled with data previously collected by GeoEngineers (2010) to evaluate compliance with the soil cleanup level for unrestricted land uses. In the combined dataset, soil arsenic concentrations in 4 of 54 soil samples exceeded compliance with the MTCA Method A cleanup level applicable to unrestricted land uses (20 mg/kg). This included two samples collected by GeoEngineers and two samples collected by Anchor QEA.

#### 2.3 2014 Soil Removal

During 2014, the Port implemented the removal of the arsenic-impacted soils. SPLP testing was also conducted to evaluate the potential for arsenic in soil to leach into stormwater or groundwater (Anchor QEA 2014). None of the eight soil samples tested contained detectable arsenic in the SPLP leachate, demonstrating that arsenic in soil is not a potential source of stormwater or groundwater contamination.

All impacted soils exceeding the MTCA Method A cleanup level (totaling 943 tons) were removed and managed by disposal in an off-site commercial landfill. Following soil removal, data analysis to evaluate compliance with MTCA requirements demonstrated that soil quality at the Site complied with MTCA Method A soil cleanup levels for arsenic applicable to unrestricted uses (20 mg/kg).

During April of 2015, the Washington State Department of Ecology (Ecology) issued a No Further Action Letter for Parcel 14.

#### 2.4 2021 Discovery of Additional Slag Materials

In advance of the Habitat Project work, the Port conducted extensive shallow soil sampling throughout Parcel 14 to characterize materials planned for off-site reuse (Port, 2021). The testing was focused on the upper 4 inches of the surface soil layer containing plant litter and organic material mixed with soil (duff). Testing was performed at 25 uniformly distributed locations selected throughout Parcel 14. Sampling locations were selected using the Point Dispersion tool in ArcMap 10.6.1.

Collected duff samples were analyzed for heavy metals, petroleum, and polycyclic aromatic hydrocarbons (PAH). Duff testing results are provided in Table 1 and Figure 2. None of the testing parameters exceeded MTCA Method A cleanup levels for unrestricted land uses, except for arsenic, which was detected at elevated levels in samples from the eastern portion of Parcel 14.

The Port geologist observed slag in soils directly beneath duff material at some of the locations that also contained elevated arsenic concentrations. Follow-up testing documented the presence of arsenic in subsurface soils underlying the duff material at two of these locations (Table 2).

In response to the detected slag materials and associated arsenic contamination, the Port retained Anchor QEA to conduct supplemental soil testing, delineate the areas and depths of slag and associated arsenic contamination in soils, and define a cleanup plan to be implemented in advance of Habitat Project construction activities. The results of the soil testing program are described in Section 3, and the cleanup plan is described in Section 4.

#### 3 Nature and Extent of Contamination

This section describes the nature and extent of soil contamination at the Site. The testing program used test pits and hand auger borings to first assess the vertical and horizontal distribution of slag at the Site. Chemical testing was then used to confirm the horizontal and vertical boundaries of arsenic-contaminated soil surrounding the slag.

Soil testing results described in this section were developed as part of four different sampling events:

- Initial Port soils survey as reported May 7, 2021 (25 testing locations; 25 duff material and 8 underlying soil samples analyzed)
- Test pit investigation performed May 14 and 17, 2021 (42 test pit locations; 45 samples analyzed)
- Test pit investigation performed June 1, 2021 (33 test pit locations; 42 samples analyzed)
- Hand auger testing performed June 11, 2021 (1 additional location tested and analyzed)

#### 3.1 Extent of Impacted Duff Material

As described in Section 2.3, the Port sampled duff material 0 to 4 inches at 25 locations throughout the site. Figure 2 shows the areas of duff that exceeded the MTCA Method A cleanup levels based on this testing.

Data analysis procedures were performed as required under Washington Administrative Code (WAC) 173-340-740(7)(d). Contaminated areas that exceeded Method A cleanup level (20 mg/kg) are those represented by samples S-18, 19, and 24 (Figure 2). The MTCA Method A cleanup level is based on natural background soil concentrations (WAC 173-340-900, Table 740-1).

The 95-percent upper-confidence limit (UCL; calculated using MTCAStat-97) of the remaining 22 sample areas was 9.9 mg/kg arsenic, well below the MTCA Method A cleanup level for unrestricted land use (20 mg/kg). As required by WAC 173-340-740(7)(d), none of these remaining duff samples exceeded the cleanup level by two times, and no more than 10% of individual samples exceeded the cleanup levels.

The average concentration of the remaining duff materials (represented by the 22 samples of remaining duff materials outside of areas S-18, S-19, and S-24) was 6.1 mg/kg, which is less than Ecology's estimate (7.3 mg/kg) of the natural background concentration of arsenic in Puget Sound soils (Ecology, 1994).

#### 3.2 Extent of Impacted Soils

The extent of impacted soils beneath the duff layer was determined during three follow-up investigations. The first two investigations were performed using backhoe-excavated test pits. The third investigation was performed using a hand auger at one follow-up testing location. Results of

this round of testing provided an initial delineation of the lateral and vertical limits of slag and also of arsenic-contaminated soil associated with the slag.

The first test round of test pit sampling was performed on May 14 and May 17 and included testing locations determined using a uniform sampling grid. Two rounds of follow-up testing were then used to delineate the extent and depth of visible slag materials and to collect soil bounding samples for analytical testing. The testing program was tiered using the following procedures:

- If visible slag was present, the soils containing slag were assumed to be contaminated.

  Analytical testing was then performed on underlying soils to define the clean soil horizon, and additional test pits were sampled in adjacent areas as necessary to define the lateral limits of the contaminated soil.
- If no visible slag was present, then samples were collected and analyzed for arsenic. Samples were collected at multiple intervals and archived. If arsenic contamination was detected, then the underlying archived samples were analyzed as necessary to define the clean soil horizon.
- On June 11, hand auger sampling was used to collect soil samples from one additional area to refine the lateral limits of contamination.

The results of soil testing are summarized in Figure 3 and Tables 3 and 4. Field sampling observations, including locations, presence of slag and slag observed depth, and sample IDs are provided in Appendix B. Laboratory data packages from Analytical Resources, Inc. (located in Tukwila, Washington) are provided in Appendix C.

Table 3 summarizes the testing results for those test pits in uncontaminated areas. These soils did not contain any visible slag, and the results of testing documented compliance with MTCA Method A cleanup levels. The 95-percent UCL (calculated using MTCAStat-97) of the 27 samples collected from these uncontaminated areas was 7.1 mg/kg arsenic, which is well below the MTCA Method A cleanup level for unrestricted land use (20 mg/kg). As required by WAC 173-340-740(7)(d) and (e), none of these samples exceeded the cleanup level by two times, and no more than 10% of individual samples exceeded the cleanup levels.

The average arsenic concentration of the Table 3 soils was 5.5 mg/kg. This is less than Ecology's estimate (7.3 mg/kg) of the natural background concentration of arsenic in Puget Sound soils (Ecology, 1994).

The soils containing slag or elevated arsenic concentrations were then fully delineated laterally and vertically. Results of that delineation sampling are shown in Table 4. In all there were 57 samples used to delineate the area of contamination. The 95-percent UCL (calculated using MTCAStat-97) for the 57 side and bottom samples was 6.4 mg/kg.

The average arsenic concentration at the limits of the planned excavation is 5.3 mg/kg. This is less than Ecology's estimate (7.3 mg/kg) of the natural background concentration of arsenic in Puget Sound soils (Ecology, 1994).

#### 3.3 Results of TCLP Testing

Toxicity characteristic leaching procedure (TCLP) testing was performed on two samples using Method 6010D to verify that the arsenic concentrations do not exceed criteria for landfill disposal (limit of 5 milligrams per liter in TCLP leachate). Concentrations of all TCLP metals were below method reporting limits in both samples (Table 5).

#### 3.4 Results of SPLP Testing

Leachability testing was performed on two soil samples using the SPLP test method applicable to the western United States. The test method assesses the potential for rainwater to leach arsenic from the soil.

SPLP testing results are summarized in Table 5. Arsenic concentrations in the leachate from both soil samples were below method detection limits, indicating that the arsenic is tightly bound to soil.

#### 4 Cleanup Plan

This section summarizes the proposed cleanup to be performed for the soils containing ASARCO slag and elevated arsenic concentrations. The work is planned for completion during summer of 2021, with the work phased prior to initiation of Habitat Project activities within the Site.

#### 4.1 Contaminated Duff and Soil Removal

Contaminated duff and soil will be removed from the Site at the locations and depths shown in Figure 4. The lateral and vertical limits of soil removal have been verified by prior soil testing as summarized in Table 4.

A total of 8,000 cubic yards; estimated weight of 12,000 tons) of soils are planned for removal from the areas shown in Figure 4. The soils will be excavated, placed directly into trucks, and hauled to the Land Resources, Inc. (LRI) landfill in Graham, Washington, for disposal as non-hazardous material. The soils will be disposed under a Waste Disposal Authorization issued by the Pierce County Health Department.

Contaminated soil removal activities will be completed in summer 2021 by the Port's selected contractor. Soil excavations will be visually monitored to verify that there are no slag materials present beyond the planned limits of the excavations as described in Section 4.3.

#### 4.2 Stormwater Protection Measures

As noted in Section 3.4, leachability testing confirms that the arsenic in the contaminated soil is not leachable and does not pose a threat to groundwater or stormwater if soil particulates are not entrained in runoff.

The Port's contractor will comply with applicable requirements of the construction stormwater general permit during the soil cleanup. Additional stormwater management practices will be followed to ensure that arsenic contamination is released to stormwater during the soil cleanup, including the following:

- All cleanup work will be performed during dry weather months.
- Each soil cleanup area will be isolated from other Habitat Project activities until removal of the arsenic-contaminated soil from that area has been completed.
- Contaminated soils will be direct loaded into trucks for off-site disposal at LRI.
- No on-site stockpiling of contaminated soils will be performed.
- Any precipitation contacting contaminated soils will be retained on site within the work area (i.e., within the excavation areas) and managed by infiltration; no runoff from these areas to other Site areas will be permitted until the contaminated soil removal has been completed.

#### 4.3 Performance Monitoring

Soil removal will be overseen by the Port's construction management team. The lateral and vertical limits of the planned excavation have been pre-defined by intensive soil sampling as summarized in Table 4 and Figure 4. No additional analytical testing is required, provided that no slag materials are observed beyond the planned limits of the excavation.

If slag is encountered beyond the planned horizontal or vertical limits of the excavation, then a supplemental soil removal will be performed in this area, and additional sidewall and bottom samples will be collected at the limits of the supplemental excavation.

The lateral limits of excavation and the locations of any supplemental soil testing will be field verified by Global Positioning System (GPS), and the vertical limits will be measured by a measuring tape.

#### 4.4 Completion of Work

Contaminated soil removal will be considered complete when the following has been accomplished:

- Soil removal has extended to the planned lateral and vertical limits of excavation as shown in Figure 4.
- If additional slag materials are encountered beyond the planned limits of excavation, these
  materials have been removed and clean sidewall and bottom samples have been collected
  and analyzed to verify that all contaminated material was removed.

Once removal of the contaminated soil has been completed in a given work area, that area will be released for performance of other Habit Project construction activities.

#### 4.5 Reporting

Following completion of soil removal activities, the Port will prepare a Completion Report documenting all work performed. The report will be submitted to Ecology's Toxics Cleanup Program as an Independent Cleanup Action.

Following submittal of the Completion Report to Ecology, the Port anticipates submitting a request for review of the work under Ecology's Voluntary Cleanup Program.

#### 5 References

- Anchor QEA, 2014. Re: Completion Report Removal of Arsenic Impacted Soil Habitat Enhancement Project 1131 East Alexander Avenue, Tacoma, 98424 Environmental Incident Reporting System ID (ERTS) #649884. October 20, 2014.
- Ecology, 1994. Natural Background Soil Metals Concentrations in Washington State. Ecology Publication No. 94-115. Prepared October, 1994.
- GeoEngineers (GeoEngineers, Inc.), 2010. *Site Investigation, Port of Tacoma Parcel 14, Tacoma, Washington.* File No. 0454-094-15. December 6, 2010.
- Port (Port of Tacoma), 2021. Lower Wapato Creek Habitat Site Shallow Soil Sampling and Results. Port of Tacoma Facilities Development. May 7, 2021.
- TPCHD (Tacoma Pierce County Health Department), 2020. *Waste Disposal Authorization Application*. Available online at:
  - https://www.tpchd.org/home/showpublisheddocument/946/637436342126170000

### **Tables**

Table 1
Arsenic Distribution in Duff Material

		Analytical Results for Total Arsenic
Impacted Area Samples	Port Sample ID	(mg/kg)
Duff Complete from Imported Areas	S-18	34.2
Duff Samples from Impacted Areas (To Be Removed for Landfill Disposal)	S-19	45.4
(10 Be Removed for Landilli Disposal)	S-24	52.4

		Analytical Results for Total Arsenic
Non-Impacted Area Samples	Port Sample ID	(mg/kg)
	S-1	3.0
	S-2	<2.5
	S-3	3.4
	S-4	4.6
	S-5	3.1
	S-6	<2.5
	S-7	2.8
	S-8	2.8
	S-9	6.1
	S-10	3.2
	S-11	<2.5
	S-12	<2.5
Duff Samples from Non-Impacted Areas <sup>1</sup>	S-13	<2.5
	S-14	7.6
	S-15	<2.5
	S-16	18.6
	S-17	2.8
	S-20	18.4
	S-21	11.0
	S-22	6.5
	S-23	3.5
	S-25	28.4
	No. of Samples	22
	Mean	6.1 mg/kg <sup>2</sup>
	95% UCL <sup>1,3</sup>	9.9 mg/kg

mg/kg: milligram per kilogram

MTCA: Model Toxics Control Act

UCL: upper confidence limit

Refer to Figure 1 for sample locations.

All samples were collected April 2, 2021, from depths of 0 to 4 inches below ground surface (within the duff layer).

- 1. Under MTCA, compliance with the cleanup standard is met when the 95% UCL is less than the cleanup level, provided that no more than 10% of the individual samples exceed the cleanup level and no single sample exceeds the cleanup level by more than two times [WAC 173-340-740(7)(d) and (e)]. The MTCA Method A cleanup level for arsenic is 20 mg/kg. These duff materials are to be reused on Port property.
- 2. Calculated value is less than Ecology's estimate of natural background soil concentrations for arsenic in the Puget Sound Basin, which is 7.3 mg/kg (Ecology Publication No. 94-115).
- 3. The 95% UCL was determined using MTCA Stat 97.

Table 2
Results of Follow-up Soil Arsenic Testing Performed by the Port

Port Station ID	Sample Depth (inches bgs)	Analytical Results for Total Arsenic (mg/kg)
S-18	5-10	10.8
3-10	11-22	15.4
S-19	5-10	21.5 <sup>1</sup>
3-19	11-22	40.0 <sup>1</sup>
S-24	5-10	23.8 <sup>1</sup>
3-24	11-22	16.8
S-25	5-10	5.8
3-23	11-22	2.8

bgs: below ground surface

mg/kg: milligram per kilogram

MTCA: Model Toxics Control Act

All samples were collected May 10, 2021. Refer to Figure 1 for sample locations.

1. Value exceeds the MTCA Method A cleanup level of 20 mg/kg. Soil removal is to be conducted in this area.

Table 3
Results of Soil Testing in Areas Free of Slag or Arsenic Impacts

Sample Station	Sample Date	Sample Depth (inches bgs)	Arsenic Concentration (mg/kg)
S-26	5/14/2021	5-10	2.2
S-27	5/14/2021	5-10	18
S-28	5/14/2021	5-10	2.1
S-29	5/14/2021	5-10	6.0
S-30	5/14/2021	5-10	1.7
S-32	5/14/2021	5-10	3.9
S-33	5/14/2021	5-10	6.7
S-34	5/14/2021	5-10	8.4
S-35	5/14/2021	5-10	4.2
S-39	5/14/2021	5-10	4.2
S-40	5/14/2021	5-10	7.7
S-43	5/14/2021	5-10	8.5
S-44	5/14/2021	5-10	16
S-45	5/14/2021	5-10	1.7
S-50	5/14/2021	5-10	5.3
S-51	5/14/2021	5-10	4.7
S-52	5/14/2021	5-10	1.5
S-55	5/17/2021	5-10	2.8
S-56	5/17/2021	5-10	4.4
S-57	5/17/2021	5-10	3.8
S-61	5/17/2021	5-10	2.9
S-62	5/17/2021	5-10	2.2
S-63	5/17/2021	5-10	5.6
S-64	5/17/2021	5-10	6.1
S-65	5/17/2021	5-10	2.9
C 70	6/1/2021	5-10	5.8
S-78	6/1/2021	18-24	8.6
	•	No. of Samples	27
Summary S	Statistics	Average	5.5 mg/kg <sup>2</sup>
		95% UCL 1,3	7.1 mg/kg

bgs: below ground surface

mg/kg: milligram per kilogram

MTCA: Model Toxics Control Act

UCL: upper confidence limit

Refer to Figure 3 for sample locations.

<sup>1.</sup> Under MTCA, compliance with the cleanup standard is met when the 95% UCL is less than the cleanup level, provided that no more than 10% of the individual samples exceed the cleanup level and no single sample exceeds the cleanup level by more than two times [WAC 173-340-740(7)(d) and (e)]. The MTCA Method A cleanup level is 20 mg/kg for arsenic.

<sup>2.</sup> Calculated value is less than Ecology's estimate of natural background soil concentrations for arsenic in the Puget Sound Basin, which is 7.3 mg/kg (Ecology Publication No. 94-115).

<sup>3.</sup> The 95% UCL was determined using MTCA Stat 97.

**Table 4 Lateral and Vertical Delineation of Arsenic Contaminated Soils** 

Sample Type	Sample Station	Sample Date	Sample Depth (inches bgs)	Arsenic Concentration (mg/kg)
	S-41	5/14/2021	5-10	29
Soils to be Removed	S-66	5/17/2021	5-10	57
Along With Slag	S-67	5/17/2021	5-10	38
	S-83	6/1/2021	21	85

Sample Type	Sample Station	Sample Date	Sample Depth (inches bgs)	Arsenic Concentration (mg/kg)
	S-68	6/1/2021	27	3.1
	S-69	6/1/2021	27	7.2
	S-70	6/1/2021	21	6.8
	S-71	6/1/2021	21	3.0
	S-72	6/1/2021	21	1.6
	S-73	6/1/2021	21	3.2
	S-74	6/1/2021	21	1.8
	S-75	6/1/2021	21	7.5
	S-80	6/1/2021	5-10	15
	3-00	6/1/2021	18-24	15
	S-82	6/1/2021	21	11
	S-84	6/1/2021	12	7.1
	S-86	6/1/2021	12	12
	S-87	6/1/2021	12	3.9
	S-88	6/1/2021	15	4.6
Samples Defining Clean	S-89	6/1/2021	15	8.0
Soil at Lateral Limits of	S-91	6/1/2021	15	1.4
Contaminated Area	S-93	6/1/2021	15	1.8
	S-94	6/1/2021	15	1.8
	S-95	6/1/2021	15	1.5
	S-96	6/1/2021	18	2.3
	S-97	6/1/2021	5-10	3.6
		6/1/2021	18-24	10
	S-98	6/1/2021	5-10	8.3
	3-90	6/1/2021	18-24	4.6
	S-99	6/1/2021	5-10	7.4
	3 33	6/1/2021	18-24	14
	S-100	6/1/2021	5-10	4.0
	3 100	6/1/2021	18-24	2.5
	S-101	6/1/2021	15	7.8
	S-102	6/1/2021	15	3.2
	S-103	6/1/2021	21	1.7
	S-104	6/1/2021	12	2.6

Table 4
Lateral and Vertical Delineation of Arsenic Contaminated Soils

Sample Type	Sample Station	Sample Date	Sample Depth (inches bgs)	Arsenic Concentration (mg/kg)
	S-31	5/14/2021	48-54	6.6
	S-36	5/14/2021	36-42	3.4
	S-37	5/14/2021	36-42	16
	S-38	5/14/2021	28-34	5.2
	S-41	6/1/2021	18-24	1.9
	3-41	5/14/2021	30-36	3.0
	S-42	5/14/2021	18-24	2.0
	S-46	5/14/2021	24-30	1.4
	S-47	5/14/2021	26-32	3.6
	S-48	5/14/2021	28-34	8.2
Samples Defining Clean	S-49	5/14/2021	24-30	1.8
Soil Horizon Beneath	S-53	5/14/2021	19-25	4.32
Contaminated Soil	S-54	5/17/2021	41-47	17
	S-58	5/17/2021	24-30	2.3
	S-59	5/17/2021	41-47	6.3
	S-60	5/17/2021	40-46	7.2
	S-66	5/17/2021	30-36	2.0
	S-66	6/1/2021	18-24	2.1
	S-67	5/17/2021	30-36	4.9
	S-67	6/1/2021	18-24	1.9
	S-76	6/1/2021	21	2.8
	S-77	6/1/2021	18	2.4
	S-79	6/1/2021	36-40	3.1
		•	No. of Samples	57
Summary Statistics for Delineation Samples	Summa	ry Statistics	Average	5.3 mg/kg <sup>2</sup>
Denneation Samples			95% UCL <sup>1,3</sup>	6.4 mg/kg

bgs: below ground surface

mg/kg: milligram per kilogram

MTCA: Model Toxics Control Act

UCL: Upper confidence limit

Analytical Method: 6020B

3. The 95% UCL was determined using MTCA Stat 97.

 $<sup>\</sup>ensuremath{^{\star}}$  Sample represents soil to be removed and was not included in summary statistics.

<sup>1.</sup> Under MTCA, compliance with the cleanup standard is met when the 95% UCL is less than the cleanup level, provided that no more than 10% of the individual samples exceed the cleanup level and no single sample exceeds the cleanup level by more than two times [WAC 173-340-740(7)(d) and (e)]. The MTCA Method A cleanup level for arsenic is 20 mg/kg.

<sup>2.</sup> Calculated value is less than Ecology's estimate of natural background soil concentrations for arsenic in the Puget Sound Basin, which is 7.3 mg/kg (Ecology Publication No. 94-115).

Table 5
TCLP and SPLP Testing Results

			TCLP Arsenic Concentration (mg/L)	SPLP Arsenic Concentration (mg/L)
Sample Station	Sample Date	Sample Depth (inches bgs)	TCLP and Method 6010D	SPLP West and Method 6010D
S-41 <sup>1</sup>	5/14/2021	5-10	< 0.060	< 0.060
S-66 <sup>1</sup>	5/17/2021	5-10	< 0.060	< 0.060

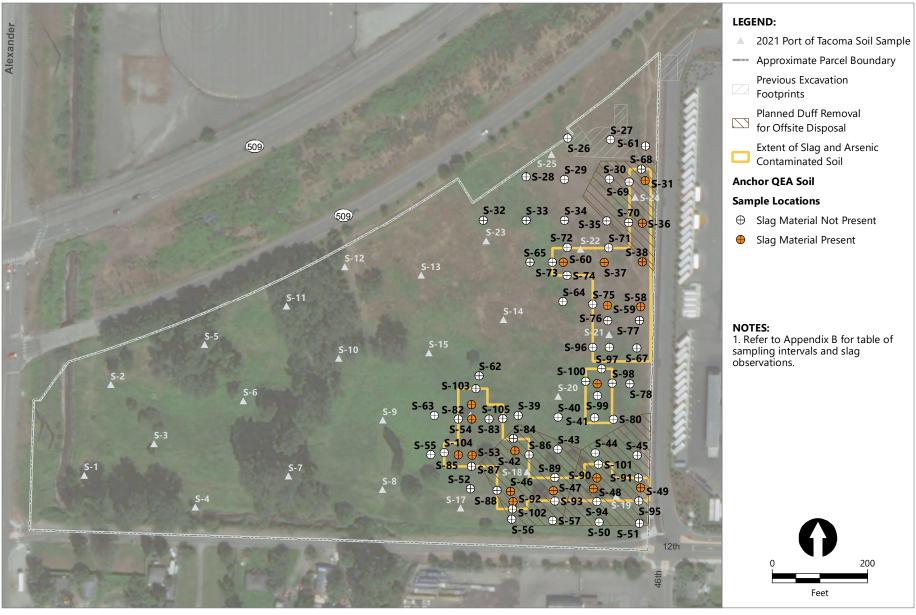
bgs: below ground surface mg/L: milligram per liter

SPLP: synthetic precipitation leaching procedure (simulates exposure to rain water)

TCLP: toxicity characteristic leaching procedure (simulates exposure to municipal landfill leachate)

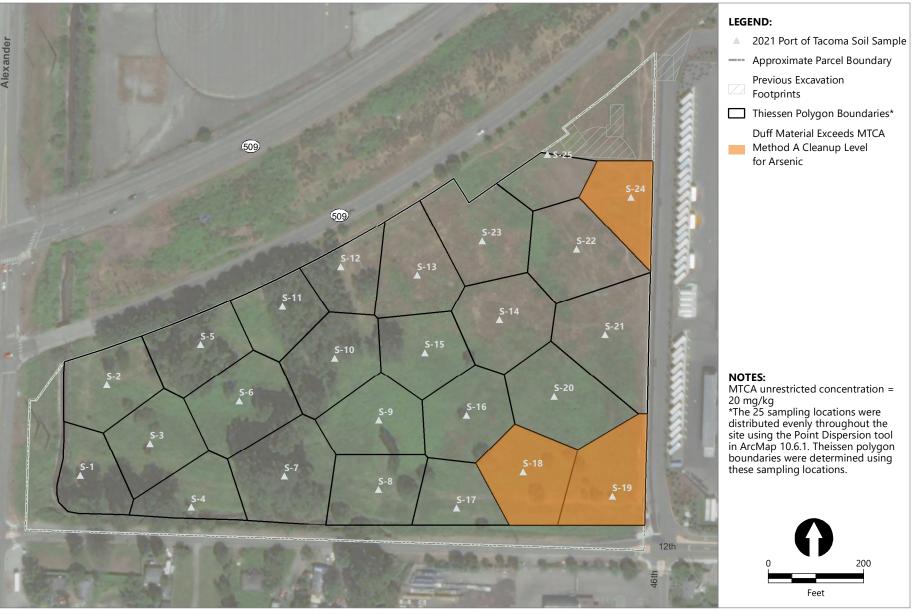
1. Soils represented by these samples will be removed for off-site landfill disposal.

## Figures



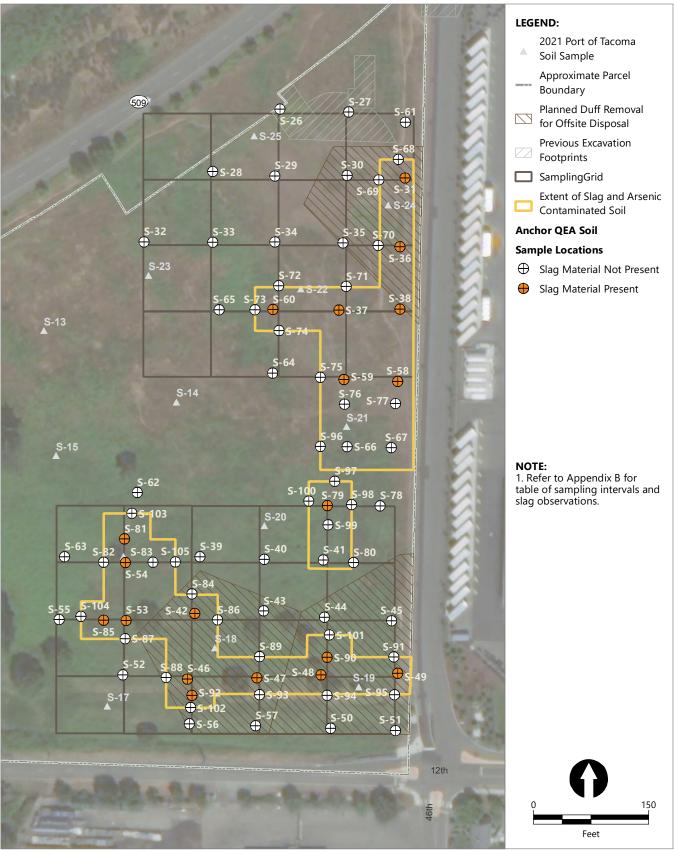
Publish Date: 2021/06/17, 10:16 AM | User: jsfox Filepath: \\orcas\GIS\Obs\Port\_of\_Tacoma\_0092\Parcel\_14\_Sampling\Maps\Parcel14\_SoilInvestigation\DataReport\Figure1\_PoT\_Parcel14Soil\_Investigation.mxd





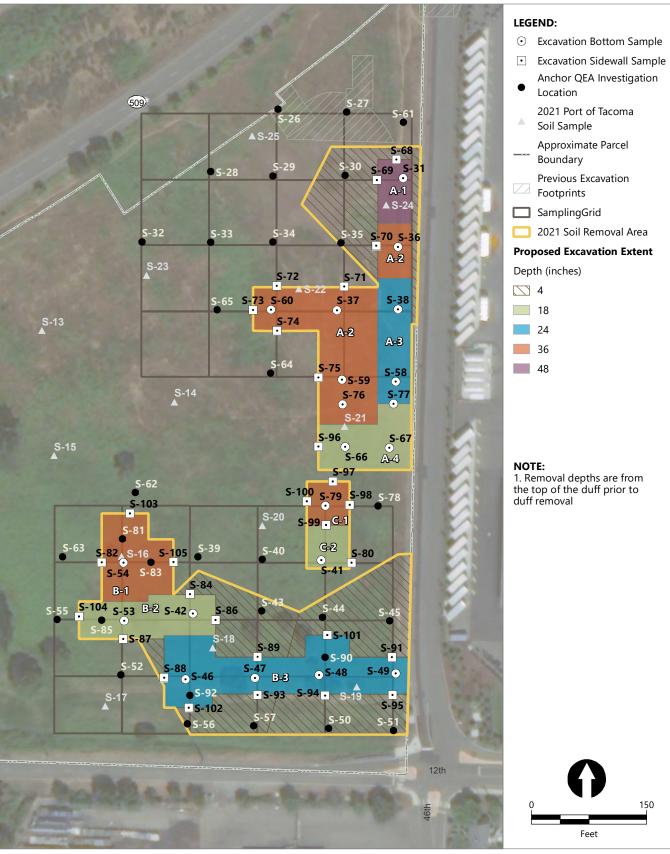
 $Publish\ Date:\ 2021/06/17,\ 10:18\ AM\ |\ User:\ jsfox\\ Filepath:\ \cos\ GIS\ Obs\ Port\_of\_Tacoma\_0092\ Parcel\_14\_Sampling\ Maps\ Parcel\_14\_SoilInvestigation\ DataReport\ Figure 2\_PoT\_Thiessen\ Polygons.\ mxd$ 





 $Publish\ Date:\ 2021/06/17,\ 10:25\ AM\ |\ User:\ js fox\\ Filepath:\ \cas\GIS\ Obs\Port\_of\_Tacoma\_0092\ Parcel\_14\_Sampling\ Maps\Parcel\_14\_SoilInvestigation\ DataReport\ Figure3\_PoT\_Parcel\_14Soil\_Excavation.mxd$ 





 $Publish\ Date:\ 2021/06/17,\ 10:27\ AM\ |\ User:\ js fox\\ Filepath:\ \cas\GIS\ Obs\Port\_of\_Tacoma\_0092\ Parcel\_14\_Sampling\ Maps\ Parcel\_14\_SoilInvestigation\ DataReport\ Figure4\_PoT\_Parcel\_14Soil\_Excavation\ Details.mxd$ 



# Appendix A Analytical Testing Data from Port Duff and Soil Sampling Effort

P.O.#: 071389 04/15/2021 Project: **LWCHS** Client ID: S-1

Sample Matrix: Soil Port of Tacoma Date Sampled: 04/02/2021 PO Box 1837 Date Received: 04/02/2021 Tacoma, WA 98401

Attn: Stanley Sasser Spectra Number: 1

Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>	Analyst	Date <u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	58.1*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	3.0	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	34.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	14.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	6.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.027	mg/Kg	SW846 7471B	SCJ	04/06/2021

Spectra Project: 2021040037

\* Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	79	NWTPH-Dx	

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a5/stb

Page 1 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-2

Port of Tacoma
PO Box 1837
Tacoma, WA 98401
Sample Matrix: Soil
Date Sampled: 04/02/2021
Date Received: 04/02/2021

Spectra Number: 2

					Date
<u>Analyte</u>	Result	<u>Units</u>	Method	<u>Analyst</u>	Analyzed
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	50.4*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	14.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	12.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	2.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

Spectra Project: 2021040037

\* Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	81	NWTPH-Dx	

SPECTRA LABORATORIES

Attn: Stanley Sasser

Marie Holt, Customer Support & Proj. Manager

a5/st

04/06/2021

04/06/2021

SCI

SCJ

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

04/15/2021

P.O.#:

071389

Project:

**LWCHS** 

Client ID:

S-3

Port of Tacoma

PO Box 1837

Sample Matrix: Date Sampled:

Soil 04/02/2021

**Total Silver** 

**Total Mercury** 

Tacoma, WA 98401

Date Received:

04/02/2021

Attn: Stanley Sasser

Spectra Project: 2021040037

mg/Kg

mg/Kg

SW846 6010D

SW846 7471B

Spectra Number: 3

Date Units Analyte Result Method Analyst Analyzed 04/12/2021 \*\* SUB EPA 8270 PAH/PNA DCW 04/07/2021 NWTPH-Dx mg/Kg <10.0 Diesel 04/07/2021 NWTPH-Dx DCW Oil < 50.0 mg/Kg SW846 6010D SCJ 04/06/2021 3.4 mg/Kg Total Arsenic 04/06/2021 mg/Kg SW846 6010D SCJ Total Barium 30.6 SW846 6010D SCJ 04/06/2021 mg/Kg < 0.3 Total Cadmium SW846 6010D SCJ 04/06/2021 mg/Kg **Total Chromium** 12.1 SW846 6010D SCJ 04/06/2021 mg/Kg Total Lead 8.0 SW846 6010D SCJ 04/06/2021 mg/Kg Total Selenium < 2.5

< 0.7

0.029

\*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	80	NWTPH-Dx	

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Page 3 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-4

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Sample Matrix: Soil

Date Sampled: 04/02/2021

Date Received: 04/02/2021

Spectra Project: 2021040037

Spectra Number: 4

					Date
Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	Analyzed
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	14.8	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	113.3*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	4.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	50.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	15.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	9.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.047	mg/Kg	SW846 7471B	SCJ	04/06/2021

\* Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	80	NWTPH-Dx	

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a5/stb

04/15/2021

P.O.#:

071389

Project:

**LWCHS** 

Client ID:

S-5

Sample Matrix:

Soil

Port of Tacoma Date Sampled: PO Box 1837

04/02/2021

Tacoma, WA 98401

Attn: Stanley Sasser

Date Received:

04/02/2021

Spectra Project: 2021040037

Spectra Number: 5

Analyte EPA 8270 PAH/PNA	Result	<u>Units</u>	<u>Method</u>	Analyst SUB	Date <u>Analyzed</u> 04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	135.8*	mg/Kg mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	3.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	24.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	11.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	11.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.044	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	80	NWTPH-Dx	

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Page 5 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-6

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Sample Matrix: Soil

Date Sampled: 04/02/2021

Date Received: 04/02/2021

Attn: Stanley Sasser Spectra Project: 2021040037

Spectra Number: 6

				Date
Result	<u>Units</u>	Method	<u>Analyst</u>	<b>Analyzed</b>
**			SUB	04/12/2021
<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
65.7*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
12.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
12.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021
	** <10.0 65.7* < 2.5 12.6 < 0.3 12.6 < 2.5 < 2.5 < 0.7	**  <10.0 mg/Kg 65.7* mg/Kg <2.5 mg/Kg 12.6 mg/Kg <0.3 mg/Kg 12.6 mg/Kg <2.5 mg/Kg <2.5 mg/Kg <2.5 mg/Kg <2.5 mg/Kg <2.5 mg/Kg <2.5 mg/Kg <2.7 mg/Kg	**  <10.0 mg/Kg NWTPH-Dx  65.7* mg/Kg NWTPH-Dx  <2.5 mg/Kg SW846 6010D  12.6 mg/Kg SW846 6010D  <0.3 mg/Kg SW846 6010D  12.6 mg/Kg SW846 6010D  <2.5 mg/Kg SW846 6010D	**         SUB           <10.0

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	89	NWTPH-Dx	

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a5/stb

Page 6 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-7

Port of Tacoma

PO Box 1837

Date Sampled: 04/02/2021

Tacoma, WA 98401 Date Received: 04/02/2021 Attn: Stanley Sasser Spectra Project: 2021040037

Spectra Number: 7

Analyte	Result	<u>Units</u>	Method	Analyst	Date Analyzed
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	124.5*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	2.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	41.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	14.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	7.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.037	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	90	NWTPH-Dx	

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a5/stl

P.O.#: 071389 04/15/2021 Project: **LWCHS** Client ID: S-8

Sample Matrix: Soil Port of Tacoma 04/02/2021 Date Sampled: PO Box 1837

Date Received: 04/02/2021 Tacoma, WA 98401 Spectra Project: 2021040037 Attn: Stanley Sasser

Spectra Number: 8

					Date
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	60.6*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	2.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	30.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	15.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	3.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.026	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	78	NWTPH-Dx	

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a5/stb

Page 8 of 25

P.O.#: 071389 04/15/2021 Project: **LWCHS** Client ID: S-9

Sample Matrix: Soil Port of Tacoma Date Sampled: 04/02/2021 PO Box 1837

Date Received: 04/02/2021 Tacoma, WA 98401 Spectra Project: 2021040037 Attn: Stanley Sasser

Spectra Number: 9

					Date
<u>Analyte</u>	Result	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Oil	73.6*	mg/Kg	NWTPH-Dx	DCW	04/07/2021
Total Arsenic	6.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	22.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	12.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	5.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	82	NWTPH-Dx	

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Page 9 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-10

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Sample Matrix: Soil

Date Sampled: 04/02/2021

Date Received: 04/02/2021

Attn: Stanley Sasser Spectra Project: 2021040037
Spectra Number: 10

Date Result Units Analyte Analyst Analyzed Method SUB 04/12/2021 \*\* EPA 8270 PAH/PNA NWTPH-Dx DCW 04/07/2021 Diesel 15.5 mg/Kg NWTPH-Dx DCW 04/07/2021 284.8\* mg/Kg Oil 04/06/2021 SW846 6010D SCJ 3.2 mg/Kg Total Arsenic SW846 6010D SCJ 04/06/2021 14.1 mg/Kg Total Barium SCJ 04/06/2021 SW846 6010D < 0.3mg/Kg **Total Cadmium** 04/06/2021 SCJ SW846 6010D Total Chromium 12.2 mg/Kg SCJ 04/06/2021 SW846 6010D < 2.5 mg/Kg Total Lead SCJ 04/06/2021 SW846 6010D Total Selenium < 2.5 mg/Kg SW846 6010D SCJ 04/06/2021 mg/Kg < 0.7Total Silver SCJ 04/06/2021 SW846 7471B < 0.025 mg/Kg **Total Mercury** 

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	97	NWTPH-Dx	

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a5/stl

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-11

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Sample Matrix: Soil

04/02/2021

Date Sampled: 04/02/2021

O4/02/2021

Spectra Project: 2021040037

Spectra Number: 11

Analyte	Result	Units	Method	Analyst	Date Analyzed
EPA 8270 PAH/PNA	**		<u> </u>	SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	99.0*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	12.9	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010 <b>D</b>	SCJ	04/06/2021
Total Chromium	9.7	mg/Kg	SW846 6010 <b>D</b>	SCJ	04/06/2021
Total Lead	2.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.040	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	_
p-Terphenyl	75	NWTPH-Dx	

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Marie Holt, Customer Support & Proj. Manager

a5/sr

04/15/2021

P.O.#:

071389

Project:

**LWCHS** 

Client ID: Sample Matrix:

S-12 Soil

Port of Tacoma PO Box 1837

Date Sampled: 04/02/2021

Tacoma, WA 98401 Attn: Stanley Sasser Date Received:

04/02/2021

Spectra Project: 2021040037

Spectra Number: 12

					Date
Analyte	Result	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	Analyzed
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	< 50.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	10.9	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	11.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

\*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	_
p-Terphenyl	87	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

 04/15/2021
 P.O.#:
 071389

 Project:
 LWCHS

 Client ID:
 S-13

 Sample Matrix:
 Soil

Port of Tacoma
PO Box 1837
Date Sampled: 04/02/2021
Tacoma, WA 98401
Date Received: 04/02/2021
Attn: Stanley Sasser
Spectra Project: 2021040037

Spectra Number: 13

Analyte	Result	<u>Units</u>	Method	Analyst	Date Analyzed
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	59.1*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	14.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	14.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	72	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stl

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-14

Port of Tacoma
PO Box 1837
Tacoma, WA 98401
Sample Matrix: Soil
Date Sampled: 04/02/2021
Date Received: 04/02/2021

Spectra Number: 14

Spectra Project: 2021040037

					Date
Analyte	<u>Result</u>	<u>Units</u>	Method	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	75.0*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	7.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	14.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	15.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	2.9	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	78	NWTPH-Dx	

SPECTRA LABORATORIES

Attn: Stanley Sasser

Marie Holt, Customer Support & Proj. Manager

a5/sth

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-15

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Sample Matrix: Soil

04/02/2021

Date Sampled: 04/02/2021

Date Received: 04/02/2021

Spectra Project: 2021040037

Spectra Number: 15

Analyte	Result	<u>Units</u>	Method	Analyst	Date <u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	60.7*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	10.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	10.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	86	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stf

Page 15 of 25

 04/15/2021
 P.O.#:
 071389

 Project:
 LWCHS

 Client ID:
 S-16

 Sample Matrix:
 Soil

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Sample Matrix: Soil

Date Sampled: 04/02/2021

Date Received: 04/02/2021

Spectra Project: 2021040037

Spectra Number: 16

					Date
Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	73.6*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	18.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	20.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	1.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	14.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	7.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.026	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method
p-Terphenyl	83	NWTPH-Dx

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stl

Page 16 of 25

P.O.#: 071389 04/15/2021 Project: **LWCHS** Client ID: S-17

Sample Matrix: Soil Port of Tacoma Date Sampled: 04/02/2021 PO Box 1837 Date Received: 04/02/2021 Tacoma, WA 98401

Attn: Stanley Sasser Spectra Number: 17

				Date
<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<u>Analyzed</u>
**			SUB	04/12/2021
<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
< 50.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
2.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
34.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
13.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
5.4	~ ~	SW846 6010D	SCJ	04/06/2021
< 2.5		SW846 6010D	SCJ	04/06/2021
< 0.7		SW846 6010D	SCJ	04/06/2021
0.026	mg/Kg	SW846 7471B	SCJ	04/06/2021
	<10.0 <50.0 2.8 34.6 < 0.3 13.8 5.4 < 2.5 < 0.7	**  <10.0 mg/Kg <50.0 mg/Kg  2.8 mg/Kg  34.6 mg/Kg <0.3 mg/Kg  13.8 mg/Kg  5.4 mg/Kg <2.5 mg/Kg <0.7 mg/Kg	**  <10.0 mg/Kg NWTPH-Dx  <50.0 mg/Kg NWTPH-Dx  2.8 mg/Kg SW846 6010D  34.6 mg/Kg SW846 6010D  < 0.3 mg/Kg SW846 6010D  13.8 mg/Kg SW846 6010D  5.4 mg/Kg SW846 6010D  < 2.5 mg/Kg SW846 6010D  < 2.5 mg/Kg SW846 6010D  < WWW. SW846 6010D  SW846 6010D  SW846 6010D  SW846 6010D  SW846 6010D  SW846 6010D  SW846 6010D	**         SUB           <10.0

Spectra Project: 2021040037

\*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method
p-Terphenyl	87	NWTPH-Dx

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stb

 04/15/2021
 P.O.#: 071389

 Project: LWCHS
 Client ID: S-18

 Port of Tacoma
 Sample Matrix: Soil

Port of Tacoma
PO Box 1837
Date Sampled: 04/02/2021
Tacoma, WA 98401
Date Received: 04/02/2021
Spectra Project: 2021040037

Attn: Stanley Sasser Spectra Project: 202 Spectra Number: 18

					Date
Analyte	<u>Result</u>	<u>Units</u>	Method	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	59.8*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	34.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	19.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	15.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	12.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	79	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stb

Page 18 of 25

 04/15/2021
 P.O.#: 071389

 Project: LWCHS
 Client ID: S-19

 Port of Tacoma
 Sample Matrix: Soil

 PO Box 1837
 Date Sampled:
 04/02/2021

 Tacoma, WA 98401
 Date Received:
 04/02/2021

 Attn: Stanley Sasser
 Spectra Project:
 2021040037

Spectra Number: 19

Analyte	Result	<u>Units</u>	Method	<u>Analyst</u>	
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	64.3*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	45.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	19.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	0.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	12.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	9.0	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	80	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

Page 19 of 25

04/15/2021 P.O.#: 071389
Project: LWCHS

Port of Tacoma

Client ID: S-20
Sample Matrix: Soil

 PO Box 1837
 Date Sampled:
 04/02/2021

 Tacoma, WA 98401
 Date Received:
 04/02/2021

 Attn: Stanley Sasser
 Spectra Project:
 2021040037

Spectra Number: 20

					Date
Analyte	<u>Result</u>	<u>Units</u>	Method	<u>Analyst</u>	<u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	< 50.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	18.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	12.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	11.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	5.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

\*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method
p-Terphenyl	72	NWTPH-Dx

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stl

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-21

Port of Tacoma
PO Box 1837
Date Sampled: 04/02/2021
Tacoma, WA 98401
Date Received: 04/02/2021
Spectra Project: 2021040037

Spectra Number: 21

					Date
Analyte	<u>Result</u>	<u>Units</u>	Method	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	< 50.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	11.0	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	13.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	0.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	12.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	6.1	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

\*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	_
p-Terphenyl	79	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stb

Page 21 of 25

 04/15/2021
 P.O.#:
 071389

 Project:
 LWCHS

 Client ID:
 S-22

 Sample Matrix:
 Soil

Port of Tacoma
PO Box 1837
Date Sampled: 04/02/2021
Tacoma, WA 98401
Date Received: 04/02/2021
Attn: Stanley Sasser
Spectra Project: 2021040037

Spectra Number: 22

	79. 1·	TT		Date	
Analyte	Result	<u>Units</u>	Method	Analyst Analyzed	₫
EPA 8270 PAH/PNA	**			SUB 04/12/202	!1
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW 04/08/202	21
Oil	54.9*	mg/Kg	NWTPH-Dx	DCW 04/08/202	21
Total Arsenic	6.5	mg/Kg	SW846 6010D	SCJ 04/06/202	!1
Total Barium	16.1	mg/Kg	SW846 6010D	SCJ 04/06/202	!1
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ 04/06/202	1:1
Total Chromium	15.0	mg/Kg	SW846 6010D	SCJ 04/06/202	21
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ 04/06/202	21
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ 04/06/202	11
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ 04/06/202	11
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ 04/06/202	11

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	88	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/st

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-23

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Sample Matrix: Soil

04/02/2021

Date Received: 04/02/2021

Spectra Project: 2021040037

Spectra Number: 23

					Date
Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	94.0*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	3.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	15.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	14.6	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	_
p-Terphenyl	81	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/stb

Page 23 of 25

 04/15/2021
 P.O.#: 071389

 Project: LWCHS

 Client ID: S-24

 Sample Matrix: Soil

Port of Tacoma
PO Box 1837
Date Sampled: 04/02/2021
Tacoma, WA 98401
Date Received: 04/02/2021
Attn: Stanley Sasser
Spectra Project: 2021040037

Spectra Number: 24

					Date
<u>Analyte</u>	Result	<u>Units</u>	Method	<u>Analyst</u>	<b>Analyzed</b>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	217.0*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	52.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	16.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	0.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	16.8	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	18.2	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	0.027	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	83	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

Page 24 of 25

a5/stb

04/15/2021 P.O.#: 071389
Project: LWCHS
Client ID: S-25

Port of Tacoma
PO Box 1837
Sample Matrix: Soil
Date Sampled: 04/02/2021

Tacoma, WA 98401 Date Received: 04/02/2021
Attn: Stanley Sasser Spectra Project: 2021040037

Spectra Number: 25

					Date
Analyte	<u>Result</u>	<u>Units</u>	<u>Method</u>	<u>Analyst</u>	<u>Analyzed</u>
EPA 8270 PAH/PNA	**			SUB	04/12/2021
Diesel	<10.0	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Oil	106.2*	mg/Kg	NWTPH-Dx	DCW	04/08/2021
Total Arsenic	28.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Barium	14.4	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Cadmium	< 0.3	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Chromium	10.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Lead	8.9	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Selenium	< 2.5	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Silver	< 0.7	mg/Kg	SW846 6010D	SCJ	04/06/2021
Total Mercury	< 0.025	mg/Kg	SW846 7471B	SCJ	04/06/2021

<sup>\*</sup> Sample contains heavy oil range organics that do not resemble heavy oil reference pattern. Sample was quantified using heavy oil range response. \*\*Analyzed by Fremont Analytical. See complete report attached.

Surrogate	% Recovery	Method	
p-Terphenyl	82	NWTPH-Dx	

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a5/st

Page 25 of 25

April 15, 2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Method: NWTPH-Dx

Sample Matrix: Soil

Units: mg/Kg

Spectra Project: 2021040037

Applies to Spectra # 1-10

### NWTPH-Dx ANALYSIS QUALITY CONTROL RESULTS

BLANK SPIKE (LCS)

Date Extracted: 4/5/2021 Date Analyzed:

4/7/2021

Spike Spike

Amount Amount

Percent

Compound Added Found Recovery

89% Diesel 125 111.1

METHOD BLANK

Date Extracted: 4/5/2021

Date Analyzed:

4/7/2021

Diesel

<10.0

Heavy Oil

< 50.0

Surrogate Recovery:

p-Terphenyl

91%

Surrogate Recovery Limits: 50 -150%

### **SPECTRA** Laboratories

...Where experience matters

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

April 15, 2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Method: NWTPH-Dx

Sample Matrix: Soil

Units: mg/Kg

Spectra Project: 2021040037

Applies to Spectra # 11-19

NWTPH-Dx ANALYSIS
QUALITY CONTROL RESULTS

BLANK SPIKE (LCS)

Date Extracted:

4/7/2021

Date Analyzed:

4/8/2021

Spike Amount Spike Amount

Percent

Compound

Added

Found Recovery

Diesel

125

109.2

METHOD BLANK

87%

Date Extracted:

4/7/2021

Date Analyzed:

4/8/2021

Diesel

<10.0

Heavy Oil

< 50.0

Surrogate Recovery:

p-Terphenyl

87%

Surrogate Recovery Limits: 50 -150%

# **SPECTRA** Laboratories

...Where experience matters

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

April 15, 2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

Method: NWTPH-Dx

Sample Matrix: Soil

Units: mg/Kg

Spectra Project: 2021040037

Applies to Spectra # 20-25

# NWTPH-Dx ANALYSIS QUALITY CONTROL RESULTS

BLANK SPIKE (LCS)

Date Extracted: 4/7/2021

Date Analyzed:

4/8/2021

Spike Spike

125

ike Dup. Spike

Compound

Amount Amount Added Found

Percent Recovery Amount Percent Found Recovery

RPD

Diesel

105.4

0/0

80%

84%

99.50

5.8

METHOD BLANK

Date Extracted:

4/7/2021

Date Analyzed:

4/8/2021

Diesel

<10.0

Heavy Oil

<50.0

Surrogate Recovery:

p-Terphenyl

85%

Surrogate Recovery Limits: 50 -150%

4/6/2021

Port of Tacoma PO Box 1837 Tacoma, WA 98401 Units: Spectra Project: Applies to Spectra #'s

mg/Kg 2021040037

Analyst:

1-15 SCJ

QUALITY CONTROL RESULTS ICP Metals SW846 6010D - Soil/Solid

Method Blank

Date Digested: 4/6/2021 Date Analyzed:

4/6/2021

Element	Blank Result
Arsenic	< 2.5
Barium	< 0.2
Cadmium	< 0.3
Chromium	< 0.7
Lead	< 2.5
Selenium	< 2.5
Silver	< 0.7

Laboratory Control Sample (LCS)

Date Digested: 4/6/2021 Date Analyzed:

4/6/2021

	Spike	LCS	LCS
Element	Addition	Conc.	%Rec
Arsenic	200.0	202.0	101.0
Barium	200.0	199.8	99.9
Cadmium	200.0	195.7	97.9
Chromium	200.0	204.3	102.2
Lead	200.0	194.1	97.1
Selenium	200.0	194.3	97.2
Silver	200.0	195.7	97.9

LCS Recovery limits 80-120%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: Sample Spiked:

4/6/2021 2021040037-1 Date Analyzed:

4/6/2021

	Sample	Spike	MS	MS	MSD	MSD	
Element	Conc.	Conc.	Conc.	%Rec	Conc	%Rec	RPD
Arsenic	6.0	200.0	202.5	98.3	202.1	98.1	0.2
Barium	68.4	200.0	218.3	75.0	216.0	73.8	1.5
Cadmium	0.0	200.0	194.0	97.0	190.8	95.4	1.7
Chromium	28.2	200.0	226.7	99.3	225.2	98.5	0.8
Lead	12.6	200.0	185.2	86.3	184.3	85.9	0.5
Selenium	0.0	200.0	189.1	94.6	189.0	94.5	0.1
Silver	0.0	200.0	171.8	85.9	171.5	85.8	0.2

Recovery Limits 75-125%

RPD Limit 20

Comments:

Spectra Laboratories

4/6/2021

Port of Tacoma PO Box 1837 Tacoma, WA 98401 Units: Spectra Project: Applies to Spectra #'s mg/Kg 2021040037 16-25

Analyst:

16-25 SCJ

# QUALITY CONTROL RESULTS ICP Metals SW846 6010D - Soil/Solid

Method Blank

Date Digested: 4/6/

4/6/2021

Date Analyzed:

4/6/2021

Element	Blank Result
Arsenic	< 2.5
Barium	< 0.2
Cadmium	< 0.3
Chromium	< 0.7
Lead	< 2.5
Selenium	< 2.5
Silver	< 0.7

Laboratory Control Sample (LCS)

Date Digested: 4/6/2021

Date Analyzed:

4/6/2021

	Spike	LCS	LCS
Element	Addition	Conc.	%Rec
Arsenic	200.0	200.3	100.2
Barium	200.0	196.8	98.4
Cadmium	200.0	189.9	95.0
Chromium	200.0	208.3	104.2
Lead	200.0	191.9	96.0
Selenium	200.0	193.1	96.6
Silver	200.0	191.2	95.6

LCS Recovery limits 80-120%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested: Sample Spiked: 4/6/2021

2021030651-1

Date Analyzed:

4/6/2021

	Sample	Spike	MS	MS	MSD	MSD	
Element	Conc.	Conc.	Conc.	%Rec	Conc	%Rec	RPD
Arsenic	0.0	200.0	202.5	101.3	202.1	101.1	0.2
Barium	18.2	200.0	218.3	100.1	216.0	98.9	1.2
Cadmium	0.0	200.0	194.0	97.0	190.8	95.4	1.7
Chromium	27.5	200.0	226.7	99.6	225.2	98.9	8.0
Lead	0.0	200.0	185.2	92.6	184.3	92.2	0.5
Selenium	0.0	200.0	189.1	94.6	189.0	94.5	0.1
Silver	0.0	200.0	171.8	85.9	171.5	85.8	0.2

Recovery Limits 75-125%

RPD Limit 20

Comments:

Spectra Laboratories

April 6, 2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Units:

mg/Kg

Spectra Project:

2021040037

Applies to Spectra #'s:

1-15

Analyst:

SCJ

#### **QUALITY CONTROL RESULTS**

#### Mercury by Cold Vapor - SW846 7471B - Soil/Solid

Method Blank (MBLK)

Date Digested:

4/6/2021

Date Analyzed:

4/6/2021

Mercury

CAS # 7439-97-6

< 0.025

Laboratory Control Spike (LCS)

Date Digested:

4/6/2021

Date Analyzed:

4/6/2021

 Spike
 LCS
 LCS

 Added
 Conc.
 %Rec

 2.0
 2.05
 102.5

LCS Recovery limits 80-120%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested:

4/6/2021

Mercury

Date Analyzed:

4/6/2021

Sample Spiked:

Mercury

2021030651-1

MSD **MSD** MS MS Sample Spike %Rec %Rec **RPD** Conc. Conc. Conc. Conc 0.32 2.0 2.08 88.3 2.09 88.4 0.2

Recovery Limits 75-125%

RPD Limit 20

SPECTRA LABORATORIES

April 6, 2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Units:

mg/Kg

Spectra Project:

2021040037

Applies to Spectra #'s:

16-25

Analyst:

SCJ

### QUALITY CONTROL RESULTS

### Mercury by Cold Vapor - SW846 7471B - Soil/Solid

#### Method Blank (MBLK)

Date Digested:

4/6/2021

Date Analyzed:

4/6/2021

Mercury

CAS # 7439-97-6

< 0.025

Laboratory Control Spike (LCS)

Date Digested:

4/6/2021

Date Analyzed:

4/6/2021

Spike Added

2.0

LCS

LCS

Conc.

%Rec

Mercury

1.99 99.6

LCS Recovery limits 80-120%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested:

4/6/2021

Date Analyzed:

4/6/2021

Sample Spiked:

2021040037-16

Sample

MS MS

MSD

96.6

Mercury

Conc. Conc. Conc. %1
0.52 2.0 2.47 9

Spike

%Rec 97.5 MSD Conc

%Rec RPD

0.9

•

Recovery Limits 75-125%

RPD Limit 20

SPECTRA LABORATORIES



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

Spectra Laboratories Marie Holt 2221 Ross Way Tacoma, WA 98421

RE: 2021040037

Work Order Number: 2104069

April 15, 2021

#### **Attention Marie Holt:**

Fremont Analytical, Inc. received 25 sample(s) on 4/6/2021 for the analyses presented in the following report.

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM) Sample Moisture (Percent Moisture)

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: 04/15/2021



CLIENT: Spectra Laboratories

**Project**: 2021040037 **Work Order**: 2104069

# **Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2104069-001	040037-1	04/02/2021 1:50 PM	04/06/2021 9:32 AM
2104069-002	040037-2	04/02/2021 1:39 PM	04/06/2021 9:32 AM
2104069-003	040037-3	04/02/2021 1:30 PM	04/06/2021 9:32 AM
2104069-004	040037-4	04/02/2021 1:20 PM	04/06/2021 9:32 AM
2104069-005	040037-5	04/02/2021 1:09 PM	04/06/2021 9:32 AM
2104069-006	040037-6	04/02/2021 12:55 PM	04/06/2021 9:32 AM
2104069-007	040037-7	04/02/2021 12:45 PM	04/06/2021 9:32 AM
2104069-008	040037-8	04/02/2021 12:37 PM	04/06/2021 9:32 AM
2104069-009	040037-9	04/02/2021 12:29 PM	04/06/2021 9:32 AM
2104069-010	040037-10	04/02/2021 12:20 PM	04/06/2021 9:32 AM
2104069-011	040037-11	04/02/2021 12:11 PM	04/06/2021 9:32 AM
2104069-012	040037-12	04/02/2021 12:02 PM	04/06/2021 9:32 AM
2104069-013	040037-13	04/02/2021 11:55 AM	04/06/2021 9:32 AM
2104069-014	040037-14	04/02/2021 11:45 AM	04/06/2021 9:32 AM
2104069-015	040037-15	04/02/2021 11:08 AM	04/06/2021 9:32 AM
2104069-016	040037-16	04/02/2021 10:59 AM	04/06/2021 9:32 AM
2104069-017	040037-17	04/02/2021 10:51 AM	04/06/2021 9:32 AM
2104069-018	040037-18	04/02/2021 10:42 AM	04/06/2021 9:32 AM
2104069-019	040037-19	04/02/2021 10:34 AM	04/06/2021 9:32 AM
2104069-020	040037-20	04/02/2021 10:25 AM	04/06/2021 9:32 AM
2104069-021	040037-21	04/02/2021 10:18 AM	04/06/2021 9:32 AM
2104069-022	040037-22	04/02/2021 10:07 AM	04/06/2021 9:32 AM
2104069-023	040037-23	04/02/2021 9:59 AM	04/06/2021 9:32 AM
2104069-024	040037-24	04/02/2021 9:36 AM	04/06/2021 9:32 AM
2104069-025	040037-25	04/02/2021 9:49 AM	04/06/2021 9:32 AM



### **Case Narrative**

WO#: **2104069**Date: **4/15/2021** 

CLIENT:

Spectra Laboratories

Project:

2021040037

#### 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#: 2104069

Date Reported: 4/15/2021

#### 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
- 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

MCL - Maximum Contaminant Level

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



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories Collection Date: 4/2/2021 1:50:00 PM

**Project**: 2021040037 **Lab ID**: 2104069-001

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
2-Methylnaphthalene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
1-Methylnaphthalene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Acenaphthylene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Acenaphthene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Fluorene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Phenanthrene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Anthracene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Fluoranthene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Pyrene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Benz(a)anthracene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Chrysene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Benzo(b)fluoranthene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Benzo(k)fluoranthene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Benzo(a)pyrene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Indeno(1,2,3-cd)pyrene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Dibenz(a,h)anthracene	ND	52.3		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Benzo(g,h,i)perylene	ND	26.1		μg/Kg-dry	1	4/12/	2021 9:46:31 AM
Surr: 2-Fluorobiphenyl	51.9	19 - 135		%Rec	1	4/12/2	2021 9:46:31 AM
Surr: Terphenyl-d14 (surr)	85.3	42.9 - 156		%Rec	1	4/12/	2021 9:46:31 AM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66438	Analyst: OK
Percent Moisture	29.0	0.500		wt%	1	4/8/2	021 4:17:18 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 1:39:00 PM

**Project**: 2021040037 **Lab ID**: 2104069-002

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Da	te Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
2-Methylnaphthalene	ND	23.3		µg/Kg-dry	1	4/12/	2021 10:07:40 AM
1-Methylnaphthalene	ND	23.3		µg/Kg-dry	1	4/12/	2021 10:07:40 AM
Acenaphthylene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Acenaphthene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Fluorene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Phenanthrene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Anthracene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Fluoranthene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Pyrene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Benz(a)anthracene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Chrysene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Benzo(b)fluoranthene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Benzo(k)fluoranthene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Benzo(a)pyrene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Indeno(1,2,3-cd)pyrene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Dibenz(a,h)anthracene	ND	46.6		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Benzo(g,h,i)perylene	ND	23.3		μg/Kg-dry	1	4/12/	2021 10:07:40 AM
Surr: 2-Fluorobiphenyl	50.7	19 - 135		%Rec	1	4/12/	2021 10:07:40 AM
Surr: Terphenyl-d14 (surr)	72.5	42.9 - 156		%Rec	1	4/12/	2021 10:07:40 AM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66438	Analyst: OK
Percent Moisture	18.8	0.500		wt%	1	4/8/2	021 4:17:18 PM



Work Order: 2104069

Date Reported: 4/15/2021

**Spectra Laboratories** Client:

Collection Date: 4/2/2021 1:30:00 PM

**Project: 2021040037** 

Matrix: Soil

Lab ID: 2104069-003 Client Sample ID: 040037-3

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbo	ns by EPA Method 8270	(SIM)		Batch	n ID: 31907	' Analyst: SB
Naphthalene	ND	27.2		μg/Kg-dry	1	4/12/2021 11:11:02 Al
				0.4		444000004 44-44-00 AT

Polyaromatic Hydrocarbons b	y EPA Method 8	3270 (SIM)	Batch I	D: 3190	7 Analyst: SB
Naphthalene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
2-Methylnaphthalene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
1-Methylnaphthalene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Acenaphthylene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Acenaphthene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Fluorene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Phenanthrene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Anthracene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Fluoranthene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Pyrene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Benz(a)anthracene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Chrysene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Benzo(b)fluoranthene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Benzo(k)fluoranthene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Benzo(a)pyrene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Indeno(1,2,3-cd)pyrene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Dibenz(a,h)anthracene	ND	54.4	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Benzo(g,h,i)perylene	ND	27.2	μg/Kg-dry	1	4/12/2021 11:11:02 AM
Surr: 2-Fluorobiphenyl	50.0	19 - 135	%Rec	1	4/12/2021 11:11:02 AM
Surr: Terphenyl-d14 (surr)	71.3	42.9 - 156	%Rec	1	4/12/2021 11:11:02 AM

Sample Moisture (Percent Moisture)			Batch	ID: R	36438	Analyst: OK
Percent Moisture	31.2	0.500	wt%	1	4/8/2	021 4:17:18 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories Collection Date: 4/2/2021 1:20:00 PM

**Project:** 2021040037

**Lab ID**: 2104069-004 **Matrix**: Soil

Analyses	Result	RL	Qual	Units DF		Da	te Analyzed
Polyaromatic Hydrocarbons by	/ EPA Method 8	3270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
2-Methylnaphthalene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
1-Methylnaphthalene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Acenaphthylene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Acenaphthene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Fluorene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Phenanthrene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Anthracene	ND	48.8		μg/Kg-d <b>r</b> y	1	4/12/	2021 11:32:11 AM
Fluoranthene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Pyrene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Benz(a)anthracene	ND	24.4		µg/Kg-dry	1	4/12/	2021 11:32:11 AM
Chrysene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Benzo(b)fluoranthene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Benzo(k)fluoranthene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Benzo(a)pyrene	ND	24.4		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Indeno(1,2,3-cd)pyrene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Dibenz(a,h)anthracene	ND	48.8		μg/Kg-dry	1	4/12/	2021 11:32:11 AM
Benzo(g,h,i)perylene	ND	24.4		µg/Kg-d <b>r</b> y	1	4/12/	2021 11:32:11 AM
Surr: 2-Fluorobiphenyl	61.2	19 - 135		%Rec	1	4/12/	2021 11:32:11 AM
Surr: Terphenyl-d14 (surr)	84.1	42.9 - 156		%Rec	1	4/12/	2021 11:32:11 AM
Sample Moisture (Percent Mois	sture)			Batch	ID:	R66438	Analyst: OK
Percent Moisture	31.0	0.500		wt%	1	4/8/2	021 4:17:18 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 1:09:00 PM

**Project:** 2021040037 **Lab ID:** 2104069-005

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ID:	31907 Analyst: SB
Naphthalene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
2-Methylnaphthalene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
1-Methylnaphthalene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Acenaphthylene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Acenaphthene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Fluorene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Phenanthrene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Anthracene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Fluoranthene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Pyrene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Benz(a)anthracene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Chrysene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Benzo(b)fluoranthene	ND	28.5		µg/Kg-dry	1	4/12/2021 11:53:18 A
Benzo(k)fluoranthene	ND	28.5		µg/Kg-dry	1	4/12/2021 11:53:18 A
Benzo(a)pyrene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Indeno(1,2,3-cd)pyrene	ND	57.1		µg/Kg-dry	1	4/12/2021 11:53:18 A
Dibenz(a,h)anthracene	ND	57.1		μg/Kg-dry	1	4/12/2021 11:53:18 A
Benzo(g,h,i)perylene	ND	28.5		μg/Kg-dry	1	4/12/2021 11:53:18 A
Surr: 2-Fluorobiphenyl	49.8	19 - 135		%Rec	1	4/12/2021 11:53:18 A
Surr: Terphenyl-d14 (surr)	86.7	42.9 - 156		%Rec	1	4/12/2021 11:53:18 A
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66438 Analyst: OK
Percent Moisture	30.1	0.500		wt%	1	4/8/2021 4:17:18 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 12:55:00 PM

**Project:** 2021040037 **Lab ID:** 2104069-006

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Da	te Analyzed
Polyaromatic Hydrocarbons by	/ EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
2-Methylnaphthalene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
1-Methylnaphthalene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Acenaphthylene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Acenaphthene	ND	21.7		µg/Kg-dry	1	4/12/	2021 12:14:32 PM
Fluorene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Phenanthrene	ND	43.3		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Anthracene	ND	43.3		µg/Kg-dry	1	4/12/	2021 12:14:32 PM
Fluoranthene	ND	43.3		µg/Kg-dry	1	4/12/	2021 12:14:32 PM
Pyrene	ND	43.3		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Benz(a)anthracene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Chrysene	ND	43.3		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Benzo(b)fluoranthene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Benzo(k)fluoranthene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Benzo(a)pyrene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Indeno(1,2,3-cd)pyrene	ND	43.3		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Dibenz(a,h)anthracene	ND	43.3		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Benzo(g,h,i)perylene	ND	21.7		μg/Kg-dry	1	4/12/	2021 12:14:32 PM
Surr: 2-Fluorobiphenyl	55.4	19 - 135		%Rec	1	4/12/	2021 12:14:32 PM
Surr: Terphenyl-d14 (surr)	80.2	42.9 - 156		%Rec	1	4/12/	2021 12:14:32 PM
Sample Moisture (Percent Mois	sture)			Batch	ID:	R66438	Analyst: OK
Percent Moisture	22.9	0.500		wt%	1	4/8/2	021 4:17:18 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 12:45:00 PM

Project: 2021040037

**Lab ID**: 2104069-007 **Matrix**: Soil

Analyses	Result	RL	Qual	Units	DF	Dat	ate Analyzed	
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID:		31907	Analyst: SB	
Naphthalene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
2-Methylnaphthalene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
1-Methylnaphthalene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Acenaphthylene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Acenaphthene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Fluorene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Phenanthrene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Anthracene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Fluoranthene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Pyrene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Benz(a)anthracene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Chrysene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Benzo(b)fluoranthene	ND	24.8		μg/Kg-dry	1	4/12/2	021 12:35:42 PM	
Benzo(k)fluoranthene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Benzo(a)pyrene	ND	24.8		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Indeno(1,2,3-cd)pyrene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Dibenz(a,h)anthracene	ND	49.6		μg/Kg-dry	1	4/12/2	2021 12:35:42 PM	
Benzo(g,h,i)perylene	ND	24.8		μg/Kg-dry	1	4/12/2	021 12:35:42 PM	
Surr: 2-Fluorobiphenyl	52.0	19 - 135		%Rec	1	4/12/2	021 12:35:42 PM	
Surr: Terphenyl-d14 (surr)	77.7	42.9 - 156		%Rec	1	4/12/2	2021 12:35:42 PM	
Sample Moisture (Percent Moistu	<u>ire)</u>			Batch	ı ID:	R66438	Analyst: OK	
Percent Moisture	26.9	0.500		wt%	1	4/8/20	021 4:17:18 PM	



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 12:37:00 PM

**Project:** 2021040037 **Lab ID:** 2104069-008

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Dat	e Analyzed
Polyaromatic Hydrocarbons by	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	21.6		μg/Kg-dry	1	4/12/2	.021 12:56:55 PM
2-Methylnaphthalene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
1-Methylnaphthalene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Acenaphthylene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Acenaphthene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Fluorene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Phenanthrene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Anthracene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Fluoranthene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Pyrene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Benz(a)anthracene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Chrysene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Benzo(b)fluoranthene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Benzo(k)fluoranthene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Benzo(a)pyrene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Indeno(1,2,3-cd)pyrene	ND	43.3		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Dibenz(a,h)anthracene	ND	43.3		µg/Kg-dry	1	4/12/2	021 12:56:55 PM
Benzo(g,h,i)perylene	ND	21.6		μg/Kg-dry	1	4/12/2	021 12:56:55 PM
Surr: 2-Fluorobiphenyl	49.4	19 - 135		%Rec	1	4/12/2	021 12:56:55 PM
Surr: Terphenyl-d14 (surr)	58.9	42.9 - 156		%Rec	1	4/12/2	021 12:56:55 PM
Sample Moisture (Percent Moi	sture)			Batch	iD:	R66439	Analyst: OK
Percent Moisture	22.7	0.500		wt%	1	4/8/20	21 4:27:38 PM



Collection Date: 4/2/2021 12:29:00 PM

Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Project: 2021040037

**Lab ID**: 2104069-009 **Matrix**: Soil

Analyses	Result	RL	Qual	Units DF		Da	te Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	3270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
2-Methylnaphthalene	ND	23.3		μg/Kg <b>-</b> dry	1	4/14/	2021 10:39:25 AM
1-Methylnaphthalene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Acenaphthylene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Acenaphthene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Fluorene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Phenanthrene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Anthracene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Fluoranthene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Pyrene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Benz(a)anthracene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Chrysene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Benzo(b)fluoranthene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Benzo(k)fluoranthene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Benzo(a)pyrene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Indeno(1,2,3-cd)pyrene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Dibenz(a,h)anthracene	ND	46.6		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Benzo(g,h,i)perylene	ND	23.3		μg/Kg-dry	1	4/14/	2021 10:39:25 AM
Surr: 2-Fluorobiphenyl	48.2	19 - 135		%Rec	1	4/14/	2021 10:39:25 AM
Surr: Terphenyl-d14 (surr)	68.1	42.9 - 156		%Rec	1	4/14/	2021 10:39:25 AM
Sample Moisture (Percent Moi	sture)			Batch	ı ID:	R66439	Analyst: OK
Percent Moisture	22.8	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Project: 2021040037

**Lab ID:** 2104069-010

Client Sample ID: 040037-10

**Collection Date:** 4/2/2021 12:20:00 PM

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ID:	31907 Analyst: SE
Naphthalene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
2-Methylnaphthalene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
1-Methylnaphthalene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Acenaphthylene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Acenaphthene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Fluorene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Phenanthrene	ND	47.5		μg/Kg-dry	1	4/14/2021 11:00:51 /
Anthracene	ND	47.5		µg/Kg-dry	1	4/14/2021 11:00:51 /
Fluoranthene	ND	47.5		µg/Kg-dry	1	4/14/2021 11:00:51 /
Pyrene	ND	47.5		μg/Kg-dry	1	4/14/2021 11:00:51 /
Benz(a)anthracene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Chrysene	ND	47.5		µg/Kg-dry	1	4/14/2021 11:00:51 /
Benzo(b)fluoranthene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Benzo(k)fluoranthene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Benzo(a)pyrene	ND	23.8		μg/Kg-dry	1	4/14/2021 11:00:51 /
Indeno(1,2,3-cd)pyrene	ND	47.5		µg/Kg-dry	1	4/14/2021 11:00:51 /
Dibenz(a,h)anthracene	ND	47.5		μg/Kg-dry	1	4/14/2021 11:00:51
Benzo(g,h,i)perylene	ND	23.8		µg/Kg-dry	1	4/14/2021 11:00:51
Surr: 2-Fluorobiphenyl	65.8	19 - 135		%Rec	1	4/14/2021 11:00:51
Surr: Terphenyl-d14 (surr)	86.7	42.9 - 156		%Rec	1	4/14/2021 11:00:51 /
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439 Analyst: Ol
Percent Moisture	25.4	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories Collection Date: 4/2/2021 12:11:00 PM

**Project:** 2021040037 **Lab ID:** 2104069-011

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Da	te Analyzed
Polyaromatic Hydrocarbons by	/ EPA Method 8	3270 (SIM)		Batch	ID:	31907	Analyst: SB
Naphthalene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
2-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	4/14/	2021 11:22:11 AM
1-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	4/14/	2021 11:22:11 AM
Acenaphthylene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Acenaphthene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Fluorene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Phenanthrene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Anthracene	ND	43.7		µg/Kg-dry	1	4/14/	2021 11:22:11 AM
Fluoranthene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Pyrene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Benz(a)anthracene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Chrysene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Benzo(b)fluoranthene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Benzo(k)fluoranthene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Benzo(a)pyrene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Indeno(1,2,3-cd)pyrene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Dibenz(a,h)anthracene	ND	43.7		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Benzo(g,h,i)perylene	ND	21.8		μg/Kg-dry	1	4/14/	2021 11:22:11 AM
Surr: 2-Fluorobiphenyl	70.0	19 - 135		%Rec	1	4/14/	2021 11:22:11 AM
Surr: Terphenyl-d14 (surr)	91.6	42.9 - 156		%Rec	1	4/14/	2021 11:22:11 AM
Sample Moisture (Percent Mois	sture)			Batch	ID:	R66439	Analyst: OK
Percent Moisture	20.5	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 12:02:00 PM

**Project:** 2021040037 **Lab ID:** 2104069-012

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed	
Polyaromatic Hydrocarbons by	/ EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
2-Methylnaphthalene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
1-Methylnaphthalene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Acenaphthylene	127	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Acenaphthene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Fluorene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Phenanthrene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Anthracene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Fluoranthene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Pyrene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Benz(a)anthracene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Chrysene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Benzo(b)fluoranthene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Benzo(k)fluoranthene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Benzo(a)pyrene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Indeno(1,2,3-cd)pyrene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Dibenz(a,h)anthracene	ND	39.7		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Benzo(g,h,i)perylene	ND	19.9		μg/Kg-dry	1	4/14/	2021 11:43:36 AM
Surr: 2-Fluorobiphenyl	63.8	19 - 135		%Rec	1	4/14/	2021 11:43:36 AM
Surr: Terphenyl-d14 (surr)	84.0	42.9 - 156		%Rec	1	4/14/	2021 11:43:36 AM
Sample Moisture (Percent Mois	sture)			Batch	ı ID:	R66439	Analyst: OK
Percent Moisture	15.2	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 11:55:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-013

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed	
Polyaromatic Hydrocarbons by	v EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
2-Methylnaphthalene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
1-Methylnaphthalene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Acenaphthylene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Acenaphthene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Fluorene	ND	24.0		µg/Kg-dry	1	4/14/	2021 12:05:00 PM
Phenanthrene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Anthracene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Fluoranthene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Pyrene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Benz(a)anthracene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Chrysene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Benzo(b)fluoranthene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Benzo(k)fluoranthene	NĐ	24.0		µg/Kg-dry	1	4/14/	2021 12:05:00 PM
Benzo(a)pyrene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Indeno(1,2,3-cd)pyrene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Dibenz(a,h)anthracene	ND	48.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Benzo(g,h,i)perylene	ND	24.0		μg/Kg-dry	1	4/14/	2021 12:05:00 PM
Surr: 2-Fluorobiphenyl	66.8	19 - 135		%Rec	1	4/14/	2021 12:05:00 PM
Surr: Terphenyl-d14 (surr)	94.1	42.9 - 156		%Rec	1	4/14/	2021 12:05:00 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439	Analyst: OK
Percent Moisture	22.4	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 11:45:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-014

Matrix: Soil

Analyses	Result	RL	Qual	Units	Units DF		te Analyzed
Polyaromatic Hydrocarbons by	v EPA Method 8	270 (SIM)		Batch	ID:	31907	Analyst: SB
Naphthalene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
2-Methylnaphthalene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
1-Methylnaphthalene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Acenaphthylene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Acenaphthene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Fluorene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Phenanthrene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Anthracene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Fluoranthene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Pyrene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Benz(a)anthracene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Chrysene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Benzo(b)fluoranthene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Benzo(k)fluoranthene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Benzo(a)pyrene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Indeno(1,2,3-cd)pyrene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Dibenz(a,h)anthracene	ND	52.5		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Benzo(g,h,i)perylene	ND	26.3		μg/Kg-dry	1	4/14/	2021 12:26:22 PM
Surr: 2-Fluorobiphenyl	69.0	19 - 135		%Rec	1	4/14/	2021 12:26:22 PM
Surr: Terphenyl-d14 (surr)	89.0	42.9 - 156		%Rec	1	4/14/	2021 12:26:22 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439	Analyst: OK
Percent Moisture	25.8	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 11:08:00 AM

Project: 2021040037

**Lab ID**: 2104069-015 **Matrix**: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907 Analyst: SB
Naphthalene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
2-Methylnaphthalene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
1-Methylnaphthalene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Acenaphthylene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Acenaphthene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Fluorene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Phenanthrene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Anthracene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Fluoranthene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Pyrene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Benz(a)anthracene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Chrysene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Benzo(b)fluoranthene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Benzo(k)fluoranthene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Benzo(a)pyrene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Indeno(1,2,3-cd)pyrene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Dibenz(a,h)anthracene	ND	44.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Benzo(g,h,i)perylene	ND	22.0		μg/Kg-dry	1	4/14/2021 3:18:49 PM
Surr: 2-Fluorobiphenyl	63.2	19 - 135		%Rec	1	4/14/2021 3:18:49 PM
Surr: Terphenyl-d14 (surr)	77.1	42.9 - 156		%Rec	1	4/14/2021 3:18:49 PM
Sample Moisture (Percent Moi	sture)			Batch	ı ID:	R66439 Analyst: OK
Percent Moisture	17.0	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 10:59:00 AM

Project: 2021040037

Matrix: Soil

**Lab ID**: 2104069-016

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907 Analyst: SB
Naphthalene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
2-Methylnaphthalene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
1-Methylnaphthalene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Acenaphthylene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Acenaphthene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Fluorene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Phenanthrene	ND	51.2		µg/Kg-dry	1	4/14/2021 3:40:24 PM
Anthracene	ND	51.2		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Fluoranthene	ND	51.2		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Pyrene	ND	51.2		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Benz(a)anthracene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Chrysene	ND	51.2		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Benzo(b)fluoranthene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Benzo(k)fluoranthene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Benzo(a)pyrene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Indeno(1,2,3-cd)pyrene	ND	51.2		µg/Kg-dry	1	4/14/2021 3:40:24 PM
Dibenz(a,h)anthracene	ND	51.2		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Benzo(g,h,i)perylene	ND	25.6		μg/Kg-dry	1	4/14/2021 3:40:24 PM
Surr: 2-Fluorobiphenyl	67.9	19 - 135		%Rec	1	4/14/2021 3:40:24 PM
Surr: Terphenyl-d14 (surr)	78.3	42.9 - 156		%Rec	1	4/14/2021 3:40:24 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439 Analyst: OK
Percent Moisture	22.6	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 10:51:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-017

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed	
Polyaromatic Hydrocarbons by I	EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
2-Methylnaphthalene	NĐ	25.8		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
1-Methylnaphthalene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Acenaphthylene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Acenaphthene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Fluorene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Phenanthrene	ND	51.7		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Anthracene	ND	51.7		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Fluoranthene	ND	51.7		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Pyrene	ND	51.7		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Benz(a)anthracene	ND	25.8		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Chrysene	ND	51.7		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Benzo(b)fluoranthene	ND	25.8		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Benzo(k)fluoranthene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Benzo(a)pyrene	ND	25.8		µg/Kg-dry	1	4/14/	2021 4:02:03 PM
Indeno(1,2,3-cd)pyrene	ND	51.7		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Dibenz(a,h)anthracene	ND	51.7		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Benzo(g,h,i)perylene	ND	25.8		μg/Kg-dry	1	4/14/	2021 4:02:03 PM
Surr: 2-Fluorobiphenyl	61.4	19 - 135		%Rec	1	4/14/	2021 4:02:03 PM
Surr: Terphenyl-d14 (surr)	76.0	42.9 - 156		%Rec	1	4/14/	2021 4:02:03 PM
Sample Moisture (Percent Moist	ure)			Batch	ID:	R66439	Analyst: OK
Percent Moisture	25.7	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories

Collection Date: 4/2/2021 10:42:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-018

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31907 Analyst: SB
Naphthalene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
2-Methylnaphthalene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
1-Methylnaphthalene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Acenaphthylene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Acenaphthene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Fluorene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Phenanthrene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Anthracene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Fluoranthene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Pyrene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Benz(a)anthracene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Chrysene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Benzo(b)fluoranthene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Benzo(k)fluoranthene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Benzo(a)pyrene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Indeno(1,2,3-cd)pyrene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Dibenz(a,h)anthracene	ND	49.2		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Benzo(g,h,i)perylene	ND	24.6		μg/Kg-dry	1	4/14/2021 4:23:43 PM
Surr: 2-Fluorobiphenyl	66.3	19 - 135		%Rec	1	4/14/2021 4:23:43 PM
Surr: Terphenyl-d14 (surr)	86.1	42.9 - 156		%Rec	1	4/14/2021 4:23:43 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439 Analyst: OK
Percent Moisture	23.8	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: 2104069

Date Reported: 4/15/2021

Spectra Laboratories Client:

Collection Date: 4/2/2021 10:34:00 AM

**Project**: 2021040037 **Lab ID**: 2104069-019

Matrix: Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed
Polyaromatic Hydrocarbons b	V EPA Method 8	270 (SIM)		Batch	ID:	31907 Analyst: SB
Naphthalene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
2-Methylnaphthalene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
1-Methylnaphthalene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Acenaphthylene	ND	22.3		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Acenaphthene	ND	22.3		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Fluorene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Phenanthrene	ND	44.7		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Anthracene	ND	44.7		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Fluoranthene	ND	44.7		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Pyrene	ND	44.7		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Benz(a)anthracene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Chrysene	ND	44.7		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Benzo(b)fluoranthene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Benzo(k)fluoranthene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Benzo(a)pyrene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Indeno(1,2,3-cd)pyrene	ND	44.7		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Dibenz(a,h)anthracene	ND	44.7		µg/Kg-dry	1	4/14/2021 4:45:25 PM
Benzo(g,h,i)perylene	ND	22.3		μg/Kg-dry	1	4/14/2021 4:45:25 PM
Surr: 2-Fluorobiphenyl	60.7	19 - 135		%Rec	1	4/14/2021 4:45:25 PM
Surr: Terphenyl-d14 (surr)	78.3	42.9 - 156		%Rec	1	4/14/2021 4:45:25 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439 Analyst: OK
Percent Moisture	24.4	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 10:25:00 AM

Project: 2021040037

**Lab ID:** 2104069-020 **Matrix:** Soil

Analyses	Result	RL	Qual	Units DF		Date Analyzed	
Polyaromatic Hydrocarbons by	v EPA Method 8	270 (SIM)		Batch	ı ID:	31907	Analyst: SB
Naphthalene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
2-Methylnaphthalene	ND	22.6		µg/Kg-dry	1	4/14/	2021 5:07:08 PM
1-Methylnaphthalene	ND	22.6		µg/Kg-dry	1	4/14/	2021 5:07:08 PM
Acenaphthylene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Acenaphthene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Fluorene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Phenanthrene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Anthracene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Fluoranthene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Pyrene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Benz(a)anthracene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Chrysene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Benzo(b)fluoranthene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Benzo(k)fluoranthene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Benzo(a)pyrene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Indeno(1,2,3-cd)pyrene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Dibenz(a,h)anthracene	ND	45.2		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Benzo(g,h,i)perylene	ND	22.6		μg/Kg-dry	1	4/14/	2021 5:07:08 PM
Surr: 2-Fluorobiphenyl	49.2	19 - 135		%Rec	1	4/14/	2021 5:07:08 PM
Surr: Terphenyl-d14 (surr)	58.5	42.9 - 156		%Rec	1	4/14/	2021 5:07:08 PM
Sample Moisture (Percent Moi	sture)			Batch	ı ID:	R66439	Analyst: OK
Percent Moisture	22.1	0.500		wt%	1	4/8/2	021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 10:18:00 AM

Project: 2021040037

**Lab ID**: 2104069-021 **Matrix**: Soil

Analyses	Result	RL	Qual	Units	DF	Dat	e Analyzed
Polyaromatic Hydrocarbons by	EPA Method 8	270 (SIM)		Batch	ID:	31923	Analyst: SB
Naphthalene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
2-Methylnaphthalene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
1-Methylnaphthalene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Acenaphthylene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Acenaphthene	ND	24.8		µg/Kg-dry	1	4/9/20	21 2:02:00 PM
Fluorene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Phenanthrene	ND	49.7		µg/Kg-dry	1	4/9/20	21 2:02:00 PM
Anthracene	ND	49.7		µg/Kg-dry	1	4/9/20	21 2:02:00 PM
Fluoranthene	ND	49.7		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Pyrene	ND	49.7		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Benz(a)anthracene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Chrysene	ND	49.7		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Benzo(b)fluoranthene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Benzo(k)fluoranthene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Benzo(a)pyrene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Indeno(1,2,3-cd)pyrene	ND	49.7		µg/Kg-dry	1	4/9/20	21 2:02:00 PM
Dibenz(a,h)anthracene	ND	49.7		µg/Kg-dry	1	4/9/20	21 2:02:00 PM
Benzo(g,h,i)perylene	ND	24.8		μg/Kg-dry	1	4/9/20	21 2:02:00 PM
Surr: 2-Fluorobiphenyl	81.9	19 - 135		%Rec	1	4/9/20	21 2:02:00 PM
Surr: Terphenyl-d14 (surr)	91.5	42.9 - 156		%Rec	1	4/9/20	21 2:02:00 PM
Sample Moisture (Percent Mois	ture)			Batch	ID:	R66439	Analyst: OK
Percent Moisture	21.1	0.500		wt%	1	4/8/20	21 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 10:07:00 AM

Project: 2021040037

**Lab ID**: 2104069-022 **Matrix**: Soil

Analyses	Result	RL	Qual	Units	DF	- Da	te Analyzed	
Polyaromatic Hydrocarbons by	/ EPA Method 8	270 (SIM)		Batch	ı ID:	31923	Analyst: SB	
Naphthalene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
2-Methylnaphthalene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
1-Methylnaphthalene	ND	22.9		µg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Acenaphthylene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Acenaphthene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Fluorene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Phenanthrene	ND	45.8		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Anthracene	ND	45.8		µg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Fluoranthene	ND	45.8		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Pyrene	ND	45.8		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Benz(a)anthracene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Chrysene	ND	45.8		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Benzo(b)fluoranthene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Benzo(k)fluoranthene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Benzo(a)pyrene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Indeno(1,2,3-cd)pyrene	ND	45.8		µg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Dibenz(a,h)anthracene	ND	45.8		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Benzo(g,h,i)perylene	ND	22.9		μg/Kg-dry	1	4/9/2	021 2:23:17 PM	
Surr: 2-Fluorobiphenyl	79.5	19 - 135		%Rec	1	4/9/2	021 2:23:17 PM	
Surr: Terphenyl-d14 (surr)	88.6	42.9 - 156		%Rec	1	4/9/2	021 2:23:17 PM	
Sample Moisture (Percent Moist	sture)			Batch	ı ID:	R66439	Analyst: OK	
Percent Moisture	21.5	0.500		wt%	1	4/8/2	021 4:27:38 PM	



Work Order: 2104069

Date Reported: 4/15/2021

Client: Spectra Laboratories Collection Date: 4/2/2021 9:59:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-023

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Dat	e Analyzed
Polyaromatic Hydrocarbons by E	PA Method 8	270 (SIM)		Batch	ı ID:	31923	Analyst: SB
Naphthalene	ND	20.4		μg/Kg-d <b>r</b> y	1	4/9/20	21 3:27:13 PM
2-Methylnaphthalene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
1-Methylnaphthalene	ND	20.4		µg/Kg-dry	1	4/9/20	21 3:27:13 PM
Acenaphthylene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Acenaphthene	ND	20.4		µg/Kg-dry	1	4/9/20	21 3:27:13 PM
Fluorene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Phenanthrene	ND	40.7		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Anthracene	ND	40.7		µg/Kg-dry	1	4/9/20	21 3:27:13 PM
Fluoranthene	ND	40.7		µg/Kg-dry	1	4/9/20	21 3:27:13 PM
Pyrene	ND	40.7		µg/Kg-dry	1	4/9/20	21 3:27:13 PM
Benz(a)anthracene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Chrysene	ND	40.7		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Benzo(b)fluoranthene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Benzo(k)fluoranthene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Benzo(a)pyrene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Indeno(1,2,3-cd)pyrene	ND	40.7		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Dibenz(a,h)anthracene	ND	40.7		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Benzo(g,h,i)perylene	ND	20.4		μg/Kg-dry	1	4/9/20	21 3:27:13 PM
Surr: 2-Fluorobiphenyl	79.5	19 - 135		%Rec	1	4/9/20	21 3:27:13 PM
Surr: Terphenyl-d14 (surr)	89.3	42.9 - 156		%Rec	1	4/9/20	21 3:27:13 PM
Sample Moisture (Percent Moistu	<u>ıre)</u>			Batch	ID:	R66439	Analyst: OK
Percent Moisture	15.2	0.500		wt%	1	4/8/20	21 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 9:36:00 AM

**Project:** 2021040037 **Lab ID:** 2104069-024

Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	3270 (SIM)		Batch	ı ID:	31923 Analyst: SB
Naphthalene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
2-Methylnaphthalene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
1-Methylnaphthalene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Acenaphthylene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Acenaphthene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Fluorene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Phenanthrene	ND	54.8		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Anthracene	ND	54.8		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Fluoranthene	ND	54.8		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Pyrene	ND	54.8		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Benz(a)anthracene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Chrysene	ND	54.8		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Benzo(b)fluoranthene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Benzo(k)fluoranthene	ND	27.4		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Benzo(a)pyrene	ND	27.4		µg/Kg-dry	1	4/9/2021 3:48:31 PM
Indeno(1,2,3-cd)pyrene	ND	54.8		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Dibenz(a,h)anthracene	ND	54.8		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Benzo(g,h,i)perylene	ND	27.4		μg/Kg-dry	1	4/9/2021 3:48:31 PM
Surr: 2-Fluorobiphenyl	65.0	19 - 135		%Rec	1	4/9/2021 3:48:31 PM
Surr: Terphenyl-d14 (surr)	73.5	42.9 - 156		%Rec	1	4/9/2021 3:48:31 PM
Sample Moisture (Percent Moi	sture)			Batch	ID:	R66439 Analyst: OK
Percent Moisture	29.0	0.500		wt%	1	4/8/2021 4:27:38 PM



Work Order: **2104069**Date Reported: **4/15/2021** 

Client: Spectra Laboratories Collection Date: 4/2/2021 9:49:00 AM

Project: 2021040037

**Lab ID**: 2104069-025 **Matrix**: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons b	y EPA Method 8	270 (SIM)		Batch	ı ID:	31923 Analyst: SB
Naphthalene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
2-Methylnaphthalene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
1-Methylnaphthalene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Acenaphthylene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Acenaphthene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Fluorene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Phenanthrene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Anthracene	ND	46.9		µg/Kg-dry	1	4/9/2021 4:09:55 PM
Fluoranthene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Pyrene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Benz(a)anthracene	ND	23.4		µg/Kg-dry	1	4/9/2021 4:09:55 PM
Chrysene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Benzo(b)fluoranthene	ND	23.4		μg/Kg-d <b>r</b> y	1	4/9/2021 4:09:55 PM
Benzo(k)fluoranthene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Benzo(a)pyrene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Indeno(1,2,3-cd)pyrene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Dibenz(a,h)anthracene	ND	46.9		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Benzo(g,h,i)perylene	ND	23.4		μg/Kg-dry	1	4/9/2021 4:09:55 PM
Surr: 2-Fluorobiphenyl	77.6	19 - 135		%Rec	1	4/9/2021 4:09:55 PM
Surr: Terphenyl-d14 (surr)	90.2	42.9 - 156		%Rec	1	4/9/2021 4:09:55 PM
Sample Moisture (Percent Moi	sture)			Batch	ı ID:	R66439 Analyst: OK
Percent Moisture	25.0	0.500		wt%	1	4/8/2021 4:27:38 PM



Spectra Laboratories

**QC SUMMARY REPORT** 

Date: 4/15/2021

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM) 2021040037 CLIENT: Project:

Sample ID: MB-31923	SampType: MBLK			Units: µg/Kg		Prep Date:	Prep Date: 4/8/2021		RunNo: 66487		
Client ID: MBLKS	Batch ID: 31923				1	Analysis Date: 4/9/2021	4/9/2021		SeqNo: 1337765	10	
Analyte	Result	씸	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	HighLimit RPD Ref Val	tef Val	%RPD RPI	RPDLimit	Qual
Naphthalene	QN	20.0									
2-Methylnaphthalene	QN	20.0									
1-Methyinaphthalene	Q	20.0									
Acenaphthylene	9	20.0									
Acenaphthene	Q	20.0									
Fluorene	QN	20.0									
Phenanthrene	QN	40.0									
Anthracene	QN	40.0									
Fluoranthene	QN	40.0									
Pyrene	QN	40.0									
Benz(a)anthracene	QN	20.0									
Chrysene	QN	40.0									
Benzo(b)fluoranthene	QN	20.0									
Benzo(k)fluoranthene	QN	20.0									
Benzo(a)pyrene	QN	20.0									
Indeno(1,2,3-cd)pyrene	Q	40.0									
Dibenz(a,h)anthracene	QN	40.0									
Benzo(g,h,i)perylene	QN	20.0									
Surr: 2-Fluorobiphenyl	965		1,000		96.5	19	135				
Surr: Terphenyl-d14 (surr)	1,080		1,000		108	42.9	156				
Some of Figure 10.	SO I son Tomes			I loite:		0,000	. 410/2024		DuoNo: 66407		

Sample ID: LCS-31923	SampType: LCS			Units: µg/Kg		Prep Date:	e: 4/8/2021	_	RunNo: 66487	87	
Client ID: LCSS	Batch ID: 31923				•	Analysis Date: 4/9/2021	B: 4/9/202	_	SeqNo: 1337766	7766	
Analyte	Result	చ	SPK value	SPK value SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qual
Naphthalene	1,840	20.0	2,000	0	91.8	62.7	127				
2-Methylnaphthalene	1,860	20.0	2,000	0	93.1	62.7	132				
1-Methylnaphthalene	1,870	20.0	2,000	0	93.4	61.4	131				
Acenaphthylene	1,850	20.0	2,000	0	97.6	62	132				
Acenaphthene	1,810	20.0	2,000	0	20.7	59.2	132				



CLIENT:

**QC SUMMARY REPORT** 

Date: 4/15/2021

Spectra Laboratories 2021040037 Project:

CLIENI: Specifia Laboratories	oratories				í	•	•	
<b>Project</b> : 2021040037					Po	lyaromat	ic Hydrocarbons b	Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample ID: LCS-31923	SampType: LCS			Units: µg/Kg		Prep Date:	e: 4/8/2021	RunNo: 66487
Client ID: LCSS	Batch ID: 31923	es.				Analysis Date:	e: 4/9/2021	SeqNo: 1337766
Analyte	Result	R	SPK value	SPK Ref Val	%REC	LowLimit HighLimit	HighLimit RPD Ref Val	%RPD RPDLimit Qual
Fluorene	1,890	20.0	2,000	0	94.6	59.1	136	
Phenanthrene	1,950	40.0	2,000	0	97.4	54.1	139	
Anthracene	1,920	40.0	2,000	0	96.1	52.5	136	
Fluoranthene	1,930	40.0	2,000	0	96.4	52.8	149	
Pyrene	1,870	40.0	2,000	0	93.6	53.6	146	
Benz(a)anthracene	1,920	20.0	2,000	0	96.1	49.7	153	
Chrysene	1,980	40.0	2,000	0	99.1	52.6	147	
Benzo(b)fluoranthene	2,110	20.0	2,000	0	106	50.6	151	
Benzo(k)fluoranthene	1,990	20.0	2,000	0	2.66	47.1	155	
Benzo(a)pyrene	2,250	20.0	2,000	0	113	48.3	169	
Indeno(1,2,3-cd)pyrene	1,960	40.0	2,000	0	98.0	52.3	145	
Dibenz(a,h)anthracene	1,990	40.0	2,000	0	2.66	53	144	
Benzo(g,h,i)perylene	1,790	20.0	2,000	0	89.7	49.7	144	
Surr: 2-Fluorobiphenyl	954		1,000		95.4	19	135	
Surr: Terphenyl-d14 (surr)	1,020		1,000		102	42.9	156	

Client ID: 040037-22 Batc Analyte	Batch ID: 31923								
Analyte	#11300				•	Analysis Date: 4/9/2021	K 4/9/2021	SeqNo: 1337769	
Naphthalene	IIICONII	궚	SPK value	SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit	Qual
	1,700	22.1	2,210	0	76.7	28.7	139		
2-Methylnaphthalene	1,740	22.1	2,210	0	78.8	43.5	130		
1-Methylnaphthalene	1,750	22.1	2,210	0	79.2	42.6	127		
Acenaphthylene	1,720	22.1	2,210	0	77.7	45.3	129		
Acenaphthene	1,680	22.1	2,210	0	76.0	45.1	123		
Finorene	1,770	22.1	2,210	0	80.0	41.6	128		
Phenanthrene	1,810	44.2	2,210	0	81.8	24.2	142		
Anthracene	1,780	44.2	2,210	0	9.08	33.1	143		
Finoranthene	1,800	44.2	2,210	0	81.4	35.5	147		
Pyrene	1,730	44.2	2,210	0	78.3	38.3	141		



CLIENT: Spectra Laboratories

**Project:** 2021040037

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

**QC SUMMARY REPORT** 

1000101707											
Sample ID: 2104069-022AMS	SampType: MS			Units: µg/Kg-dry	-dry	Prep Date	Prep Date: 4/8/2021		RunNo: 66487	487	
Client ID: 040037-22	Batch ID: 31923					Analysis Date:	3: 4/9/2021		SeqNo: 1337769	37769	
Analyte	Result	귐	SPK value	SPK Ref Val	%REC	LowLimit	%REC LowLimit HighLimit RPD Ref Val	e Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,820	22.1	2,210	0	82.3	42.5	145				
Chrysene	1,810	44.2	2,210	0	81.9	39.7	134				
Benzo(b)fluoranthene	1,870	22.1	2,210	0	84.6	29.9	152				
Benzo(k)fluoranthene	1,900	22.1	2,210	0	86.2	33.2	143.5				
Benzo(a)pyrene	2,060	22.1	2,210	0	93.1	38.2	156				
Indeno(1,2,3-cd)pyrene	1,800	44.2	2,210	0	81.4	41.4	128				
Dibenz(a,h)anthracene	1,840	44.2	2,210	0	83.3	40.4	129				
Benzo(g,h,i)perylene	1,640	22.1	2,210	0	74.1	34.2	131				
Surr: 2-Fluorobiphenyl	880		1,105		9.62	19	135				
Surr: Terphenyl-d14 (surr)	959		1,105		86.7	42.9	156				
October 15. 5404060	L and C										

Sample ID: 2104069-022AMSD	SampType: MSD			Units: µg/Kg-dry	dry	Prep Date: 4/8/2021	4/8/2021		RunNo: 66487	87	
Client ID: 040037-22	Batch ID: 31923					Analysis Date: 4/9/2021	4/9/2021		SeqNo: 1337770	07770	
Analyte	Result	씸	SPK value	SPK Ref Val	%REC	LowLimit HighLimit		RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,900	24.5	2,453	0	77.5	28.7	139	1,695	11.4	30	
2-Methylnaphthalene	1,930	24.5	2,453	0	78.6	43.5	130	1,743	10.1	30	
1-Methylnaphthalene	1,950	24.5	2,453	0	79.5	42.6	127	1,751	10.7	30	
Acenaphthylene	1,940	24.5	2,453	0	79.0	45.3	129	1,718	12.1	30	
Acenaphthene	1,870	24.5	2,453	0	76.2	45.1	123	1,679	10.7	30	
Fluorene	1,950	24.5	2,453	0	79.4	41.6	128	1,768	69.6	30	
Phenanthrene	2,040	49.1	2,453	0	83.2	24.2	142	1,808	12.1	30	
Anthracene	1,980	49.1	2,453	0	80.7	33.1	143	1,781	10.5	30	
Fluoranthene	1,990	49.1	2,453	0	80.9	35.5	147	1,799	9.83	30	
Pyrene	1,920	49.1	2,453	0	78.1	38.3	141	1,730	10.2	30	
Benz(a)anthracene	2,000	24.5	2,453	0	81.4	42.5	145	1,818	9.31	30	
Chrysene	2,020	49.1	2,453	0	82.3	39.7	134	1,810	11.0	30	
Benzo(b)fluoranthene	1,940	24.5	2,453	0	78.9	29.9	152	1,871	3.40	30	
Benzo(k)fluoranthene	2,330	24.5	2,453	0	94.8	33.2	143.5	1,904	19.9	30	
Benzo(a)pyrene	2,330	24.5	2,453	0	95.0	38.2	156	2,058	12.4	30	

Page 32 of 40



CLIENT: Spectra Laboratories

**Project:** 2021040037

QC SUMMARY REPORT Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Date: 4/15/2021

Qual 8 8 8 %RPD RPDLimit SeqNo: 1337770 RunNo: 66487 12.1 12.0 00 1,800 1,842 1,637 LowLimit HighLimit RPD Ref Val Analysis Date: 4/9/2021 Prep Date: 4/8/2021 128 129 131 156 40.4 34.2 42.9 %REC 82.8 84.5 75.3 79.1 Units: µg/Kg-dry SPK value SPK Ref Val 000 2,453 2,453 2,453 1,227 1,227 24.5 49.1 씸 49.1 Batch ID: 31923 SampType: MSD Result 2,030 2,070 1,850 971 1,040 Sample ID: 2104069-022AMSD Surr: Terphenyl-d14 (surr) Surr: 2-Fluorobiphenyl Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Client ID: 040037-22 Benzo(g,h,i)perylene Analyte

Sample ID: MB-31907	SampType: MBLK			Units: µg/Kg		Prep Date	Prep Date: 4/7/2021		RunNo: 66567	299	
Client ID: MBLKS	Batch ID: 31907					Analysis Date: 4/12/2021	: 4/12/202	_	SeqNo: 1339951	19951	
Analyte	Result	묍	SPK value	SPK Ref Val	%REC	%REC LowLimit HighLimit RPD Ref Val	HighLimit F	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	Q	20.0									
2-Methylnaphthalene	Q	20.0									
1-Methylnaphthalene	QN	20.0									
Acenaphthylene	QN	20.0									
Acenaphthene	QV	20.0									
Fluorene	QN	20.0									
Phenanthrene	QV	40.0									
Anthracene	QN	40.0									
Fluoranthene	QV	40.0									
Pyrene	QV	40.0									
Benz(a)anthracene	QN	20.0									
Chrysene	Q	40.0									
Benzo(b)fluoranthene	QN	20.0									
Benzo(k)fluoranthene	Q	20.0									
Benzo(a)pyrene	QV	20.0									
Indeno(1,2,3-cd)pyrene	QN	40.0									
Dibenz(a,h)anthracene	QV	40.0									
Benzo(g,h,i)perylene	Q	20.0									
Surr: 2-Fluorobiphenyl	446		1,000		44.6	19	135				
Surr: Terphenyl-d14 (surr)	955		1,000		95.5	42.9	156				



Spectra Laboratories

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM) Qual %RPD RPDLimit SeqNo: 1339951 RunNo: 66567 %REC LowLimit HighLimit RPD Ref Val Analysis Date: 4/12/2021 Prep Date: 4/7/2021 Units: µg/Kg SPK value SPK Ref Val 묎 SampType: MBLK Batch ID: 31907 Result 2021040037 Sample ID: MB-31907 Client ID: MBLKS CLIENT: Project: Analyte

**QC SUMMARY REPORT** 

Date: 4/15/2021

Sample ID: LCS-31907	SampType: LCS			Units: µg/Kg		Prep Date: 4/7/2021	4/7/2021	RunNc	RunNo: 66567	_	
Client ID: LCSS	Batch ID: 31907					Analysis Date:	4/12/2021	SeqNo	SeqNo: 1339952	952	
Analyte	Result	귐	SPK value	SPK Ref Val	%REC	LowLimit F	HighLimit RPD Ref Val		%RPD	RPDLimit	Qual
Naphthalene	1,630	20.0	2,000	0	81.6	62.7	127				
2-Methylnaphthalene	1,710	20.0	2,000	0	85.4	62.7	132				
1-Methylnaphthalene	1,710	20.0	2,000	0	85.6	61.4	131				
Acenaphthylene	1,720	20.0	2,000	0	86.2	62	132				
Acenaphthene	1,650	20.0	2,000	0	82.7	59.2	132				
Fluorene	1,750	20.0	2,000	0	87.5	59.1	136				
Phenanthrene	1,760	40.0	2,000	0	88.0	54.1	139				
Anthracene	1,760	40.0	2,000	0	87.8	55.5	136				
Fluoranthene	1,800	40.0	2,000	0	90.1	52.8	149				
Pyrene	1,740	40.0	2,000	0	86.9	53.6	146				
Benz(a)anthracene	1,820	20.0	2,000	0	91.0	49.7	153				
Chrysene	1,690	40.0	2,000	0	84.4	52.6	147				
Benzo(b)fluoranthene	1,900	20.0	2,000	0	95.1	9'09	151				
Benzo(k)fluoranthene	1,840	20.0	2,000	0	91.9	47.1	155				
Benzo(a)pyrene	2,070	20.0	2,000	0	103	48.3	169				
Indeno(1,2,3-cd)pyrene	1,860	40.0	2,000	0	93.1	52.3	145				
Dibenz(a,h)anthracene	1,900	40.0	2,000	0	94.9	53	144				
Benzo(g,h,i)perylene	1,730	20.0	2,000	0	86.7	49.7	144				
Surr: 2-Fluorobiphenyl	705		1,000		70.5	19	135				
Surr: Terphenyl-d14 (surr)	266		1,000		99.7	42.9	156				



Spectra Laboratories 2021040037

CLIENT: Project:

**QC SUMMARY REPORT** 

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2104069-002AMS	SampType: MS			Units: µg/Kg-dry	<u>~</u>	Prep Date:	4/7/2021	RunNo: <b>66567</b>
Client ID: 040037-2	Batch ID: 31907					Analysis Date:	4/12/2021	SeqNo: 1339955
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit H	HighLimit RPD Ref Val	%RPD RPDLimit Qual
Naphthalene	1,380	22.1	2,205	0	62.7	28.7	139	
2-Methylnaphthalene	1,440	22.1	2,205	0	65.5	43.5	130	
1-Methylnaphthalene	1,460	22.1	2,205	0	66.1	42.6	127	
Acenaphthylene	1,460	22.1	2,205	0	66.4	45.3	129	
Acenaphthene	1,390	22.1	2,205	0	63.1	45.1	123	
Fluorene	1,470	22.1	2,205	0	9.99	41.6	128	
Phenanthrene	1,500	44.1	2,205	0	68.0	24.2	142	
Anthracene	1,460	44.1	2,205	0	66.3	33.1	143	
Fluoranthene	1,500	44.1	2,205	0	68.0	35.5	147	
Pyrene	1,440	44.1	2,205	0	65.5	38.3	141	
Benz(a)anthracene	1,500	22.1	2,205	8.569	67.4	42.5	145	
Chrysene	1,470	44.1	2,205	0	2.99	39.7	134	
Benzo(b)fluoranthene	1,460	22.1	2,205	7.051	0.99	29.9	152	
Benzo(k)fluoranthene	1,650	22.1	2,205	3.454	74.8	33.2	143.5	
Benzo(a)pyrene	1,710	22.1	2,205	2.791	77.5	38.2	156	
Indeno(1,2,3-cd)pyrene	1,510	44.1	2,205	0	68.3	41.4	128	
Dibenz(a,h)anthracene	1,550	44.1	2,205	0	70.1	40.4	129	
Benzo(g,h,i)perylene	1,390	22.1	2,205	3.520	62.8	34.2	131	
Surr: 2-Fluorobiphenyl	642		1,103		58.2	19	135	
Surr: Terphenyl-d14 (surr)	812		1,103		73.7	42.9	156	

Sample ID: 2104069-002AMSD	SampType: MSD			Units: µg/Kg-dry	dry	Prep Date:	te: 4/7/2021	_	RunNo: 66567	292	
Client ID: 040037-2	Batch ID: 31907					Analysis Date:	te: 4/12/2021	21	SeqNo: 1339956	39956	
Analyte	Result	씸	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%REC LowLimit HighLimit RPD Ref Val	%RPD	%RPD RPDLimit Qual	Qual
Naphthalene	1,360	23.5	2,346	0	58.0	28.7	139	1,384	1.65	30	
2-Methylnaphthalene	1,430	23.5	2,346	0	61.1	43.5	130	1,445	0.768	30	
1-Methylnaphthalene	1,450	23.5	2,346	0	61.9	42.6	127	1,459	0.364	30	
Acenaphthylene	1,460	23.5	2,346	0	62.3	45.3	129	1,464	0.150	30	
Acenaphthene	1,430	23.5	2,346	0	8.09	45.1	123	1,391	2.54	30	

Page 35 of 40



Spectra Laboratories CLIENT:

2021040037 Project:

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

**QC SUMMARY REPORT** 

Date: 4/15/2021

Sample ID: 2404060_0024MSD											
Calliple 10. 410400-00471100	SampType: MSD			Units: µg/Kg-dry	l-dry	Prep Dat	Prep Date: 4/7/2021	22	RunNo: 66567	299	
Client ID: 040037-2	Batch ID: 31907					Analysis Date:	e: 4/12/2021	121	SeqNo: 1339956	39956	
Analyte	Result	귐	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,490	23.5	2,346	0	63.6	41.6	128	1,469	1.63	90	
Phenanthrene	1,480	46.9	2,346	0	63.1	24.2	142	1,499	1.27	30	
Anthracene	1,450	46.9	2,346	0	61.9	33.1	143	1,461	0.661	30	
Fluoranthene	1,520	46.9	2,346	0	64.7	35.5	147	1,499	1.31	30	
Pyrene	1,460	46.9	2,346	0	62.3	38.3	141	1,444	1.32	30	
Benz(a)anthracene	1,540	23.5	2,346	8.569	65.3	42.5	145	1,496	2.91	30	
Chrysene	1,480	46.9	2,346	0	63.2	39.7	134	1,471	0.784	30	
Benzo(b)fluoranthene	1,680	23.5	2,346	7.051	71.3	29.9	152	1,463	13.7	30	
Benzo(k)fluoranthene	1,500	23.5	2,346	3.454	63.7	33.2	143.5	1,652	9.72	30	
Benzo(a)pyrene	1,770	23.5	2,346	2.791	75.2	38.2	156	1,712	3.19	30	
Indeno(1,2,3-cd)pyrene	1,560	46.9	2,346	0	66.5	41.4	128	1,507	3.52	30	
Dibenz(a,h)anthracene	1,590	46.9	2,346	0	6.79	40.4	129	1,545	3.13	30	
Benzo(g,h,i)perylene	1,430	23.5	2,346	3.520	61.0	34.2	131	1,388	3.30	30	
Surr: 2-Fluorobiphenyl	295		1,173		47.9	19	135		0		
Surr: Terphenyl-d14 (surr)	758		1,173		64.6	42.9	156		0		



### Sample Log-In Check List

Clie	ent Name:	SPECTR	Work Order Numb	er: <b>2104069</b>	
Log	ged by:	Gabrielle Coeuille	Date Received:	4/6/2021 9	:32:00 AM
<u>Chai</u> i	n of Custo	ody			
		ustody complete?	Yes 🗹	No 🗌	Not Present
2. ⊦	low was the	sample delivered?	<u>UPS</u>		
<u>Loa I</u>	In				
	Coolers are p	resent?	Yes 🗹	No 🗆	NA 🗌
٥. ٧	3001010 G10 P				
4. 8	Shipping cont	ainer/cooler in good condition?	Yes 🗹	No $\square$	
		s present on shipping container/cooler? ments for Custody Seals not intact)	Yes	No 🗆	Not Present <b></b> ✓
6. V	Vas an attem	pt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌
7. V	Vere all items	s received at a temperature of >2°C to 6°C *	Yes 🗸	No 🗔	NA 🗆
8. 5	Sample(s) in	proper container(s)?	Yes 🗹	No 🗆	
9. 8	Sufficient sam	ple volume for indicated test(s)?	Yes 🗸	No 🗆	
10. A	re samples ا	properly preserved?	Yes 🗹	No 🗌	
11. V	Was preserva	tive added to bottles?	Yes	No 🗹	NA 🗆
12. <sup> </sup>	s there heads	space in the VOA vials?	Yes	No 🗌	NA 🗸
		es containers arrive in good condition(unbroken)?	Yes 🗹	No 🗌	
14.	Does paperwo	ork match bottle labels?	Yes 🗹	No $\square$	
15. A	Are matrices	correctly identified on Chain of Custody?	Yes 🗹	No 🗆	
16. ls	s it clear wha	t analyses were requested?	Yes 🗹	No 🗌	
17. V	Vere all holdi	ng times able to be met?	Yes 🗹	No 🗌	
Spec	ial Handli	ng (if applicable)			
		tified of all discrepancies with this order?	Yes 🗹	No 🗌	na 🗆
	Person N	Notified: Marie Holt Date		4/6/2021	
	By Who				In Person
	Regardin				
	Client In	structions: 8270-SIM.			
19. A	Additional ren	narks:			
<u>ltem I</u> n	formation				
		Item # Temp ℃			
9	Sample 1	5.6			

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

SPECTRA Laboratories Turnaround Time Requested STANDARD X RUSH SPECIAL

Lab Approval Requires

21040U 9 Page 1 of 3

**CHAIN of CUSTODY** 

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ROJECT 2021040037					П	푸	HYDROCARBONS	10	À	8	님	တ	-	-	ORGANIC	Q.	Ž	ည	1		3	1	METALS	- 00	-	-	-	-	4	4	19	OTHER	720		1	1	7	1	Pa
CONTACT: Marie Holt				,																																			
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-MAIL: marieh@spectra-lab.com	b.com			OF CO	D		H-G			EM (TF		00)		_	SOLV	MI VO	N/A	В		ALS R	ALS (		LS RC	LS (S			5		(T		ECIFY	m - MF							_
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SAMPLE ID	DATE	TIME	MATRIX	NUMI	NWTP	BTEX	BTEX	NWTP	NWTP	1684.5	1684 1	1004 5	_	8260/6	8260 (	8270/6	8270 8	8082/6		TOTA	TOTA	-	TCLD	-	PH 90	-	ТХ/ТС	TURB	FLAS	BOD	SOLI	Feca		Hg by					
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140037-2	04/02/21	1339	soil						_	-		_	_				×		П			-	-		-	-	-	-	_						Т				
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SPECIAL INSTRUCTIONS/COMMENTS		see attached quote and TAT	te and TA	-1																																			
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Proper sample containers?		RELINQUISHED	HED BY																				-					1							+				
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Turnaround Time Requested
STANDARD X RUSH SPECIAL Lab Approva Required

**CHAIN of CUSTODY** 

710H0U1 Page 2 of 3

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e-MAIL: marieh@spectra-lab.com	).com				D		H-G			EM (TP	OG)	A	SOLV	MI VO		-		ALS R	ALS {		LS RC	LS (S	15	6		T		ECIFY	m - MF							
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SAMPLE ID	DATE SAMPLED	TIME	MATRIX		NWTP	BTEX	BTEX/	NWTP	NWTP	1664 5	1664 H	8260/6	_	-	8270 F		8082/6	TOTA	-		TCLP	TCLP	PH 90	TX/TC	TURB	FLAS	BOD	SOLI	Feca:		Hg by					
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SPECIAL INSTRUCTIONS/COMMENTS		* see attached quote and TAT	te and TAT																													1				
Sample Receipt (lab use only)	only)						SIGNATURE	ATC	RE	П		H	Н	П	묐	Ž	PRINTED NAME	AME			H		0	COMPANY	YNA			T	l <sub>o</sub>	DATE		T		TIME		
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Payment forms Net 30 days. Past the production out exist. The per display effects Customer agrees to pay all content of collection include all contents.

STANDARD X RUSH Turnaround Time Requested SPECIAL Lab Approval Required

CHAIN of CUSTODY

MOHD U2 9
Page 3 of 3

0 ø 00 040037-24 040037-25 040037-23 040037-22 040037-21 e-MAIL: PHONE SUBBED TO CONTACT PROJECT: CLIENT PURCHASE ORDER # SPECIAL INSTRUCTIONS/COMMENTS Received via Proper sample containers? Received within hold time? COC seals present? Total # of containers Temp at receipt Sample Receipt (lab use only) 253-272-4850 SAMPLE ID marieh@spectra-lab com Marie Holt 2021040037 S ectra Laboratories Fremont Analytical Cooler? Intact? deg. C. SAMPLED 04/02/21 04/02/21 04/02/21 04/02/21 04/02/21 DATE see attached quote and TAT SOUTH THE SECRETARY OF THE SAMPLED RELINQUISHED BY RELINQUISHED BY RELINQUISHED BY 0949 0936 0959 1018 1007 TIME RECEIVED BY RECEIVED BY RECEIVED BY MATRIX SOI 6 SOI Soil 8 ADDRESS. NUMBER OF CONTAINERS **NWTPH-HCID HYDROCARBONS** BTEX 2221 Ross Way SIGNATURE BTEX/NWTPH-G Return Samples Yes NWTPH-G NWTPH-Dx 1664 SGT HEM (TPH) 1684 HEM (FOG) 8260/624 VOA Tacoma, WA **ORGANICS** 8260 CHLOR SOLVENTS Janel male & De 8270/625 SEMI VOA PRINTED NAME No × 8270 PAH/PNA × × × × S.Beck 3 100 8082/808 PCB TOTAL METALS RCRA 8 TOTAL METALS (SPECIFY) METALS TCLP METALS RCRA 8 JI coll Spectra-Tacoma TCLP METALS (SPECIFY) PH 9040/9045 COMPANY TX/TOX 9076 TURBIDITY FLASH POINT BOD SOLIDS (SPECIFY) OTHER 98421 it is filled in Pierce 4/5/2021 Fecal Conform - MPN or MF DATE Hg by 1631E ADDRESS CHANGE (46) ŞΑ 1500 HME dell' list Page 40 of 40

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Fig. 10 accounts subject to 1 12

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98366

www.spectra-lab.com info@spectra-lab.com 2221 Ross Way, Tacoma, WA 98421 (253) 272-4850 Fax (253) 572-9838

SPECIAL INSTRUCTIONS/COMMENTS:

# **CHAIN OF CUSTODY**

2021040037

Page 1

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Return Samples: Y

of V

STANDARD

**RUSH** CHANGE

CLIENT: Part of Tac	Own o	≥	ADDRESS:	ESS:																					우	CHANGE
T. LWCITS				HYDROCARBONS	ROC	AF	₿C	SN			0	<u>છ</u>	ORGANICS		METALS	LS.					1	OTHE	盟			
SAMPLED BY: Sassa		IEDO.	VERS								S 			3	FY)		Υ)									
PHONE: 253-383-9431 FAX:	<b>?</b>	ALTAIN	NIAIN					PH)		1 /F 5 17F		)A		CRA 8	PECII		PECIF						r)			
e-MAIL: SSasser & Bortoftecome.			OF CO	טוע	PH-G			HEM (T			R SOL	EMI VO		TALS R	TALS (S	ALS RO	ALS (S	)45	X		INT		PECIF			
PURCHASE ORDER # 07/38	8 9 COM		SH-HC		NWT		PH-Dx			624 V			PAH/F 608 P	L ME1	L MET		MEIA	040/90	DX/EO	BIDITY	H PO		มร <b>(ร</b>			
SAMPLE ID SAM	DATE TIME SAMPLED SAMPLED	MATRIX		BTEX	BTEX	NWTI			1664					TOTA	TOTA		TCLP	PH 90	TX/TO			BOD	SOLI			
5-1	01/02/21 BSO	Soil	N				X						X	X												
5-2	1339													-												
5-3	1330										_															
STY	1320																								-	
5-5	1309																									
5-6	225	-								_																
4-7	Stell																									
5-8	1237	49												-												
5-9	1229											_														
5-10	123	O <	4				1						_	_												
LAB USE ONLY					SIGNATURE	ATU	E						PRINTED NAME	N N	) M			COMPANY	PAN	~			DATE		2	TIME
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	RELINC	RELINQUISHED BY													5.											
	RECEIVED BY	ED BY																								
	Paymer attorney	Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. Spectra Laboratories, LLC	days.	Past of	due a	ction	nts s rega	ubje	ct to	1 1/ whe	2% ther	per r suit	nonth inter is filed in P	est.	Custome Co., WA	veni	es to pa	ay all ctra	cos	to pay all costs of collection Spectra Laboratories, LLC	colle ries,	Ction	inclu	ding rea	asona	able

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SPECIAL INSTRUCTIONS/COMMENTS:

## CHAIN OF CUSTODY

2021040037

Return Samples: Y (N) Page 2

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STANDARD ~

**RUSH** 

CLIENT: Port of	Tacoma		ADD	ADDRESS:								-							CHANGE
PROJECT:				HYDROCARBONS	BONS		ORGA	ANICS		METALS	ALS						OTHER		
CONTACT:																			
SAMPLED BY:			NERS			S				1,	Y)								
PHONE:	FAX:		NTAII		PH)	VENT	PΑ			LOI							<b>(</b> )		
e-MAIL:	Pri or	Prefer FAX Or e-MAIL	OF CO		_	DA R SOL	EMI VO		ALS R	ALO (C	LS RC	4E					PECIF		
PURCHASE ORDER #			BER (	/NWT	SGT-H HEM (	624 VO	625 S	PAH/P 608 P		LIVILI		040/90	OX/EO	BIDITY	H POI		DS (SI		
SAMPLE ID	SAMPLED SAMPLED	LED MATRIX	_	BTEX BTEX	1664 1664		8270-	_		1017		DH O		-		BOD			
1 5-11	04/02 121	1105	a	×	×			×	×										
2 5-12	1202	2							_							-			
3 5-13	S511	Š																	
4 5-14	5511	S														-			
5-15	8011	O.P.												+					
5-16	1059	-9												-	-	-			
41-5	1501	0,																	
8 2-18	1042	12				-									-	-			
9 5-19	1034	2														-			
5-20	Stol	S	<	7	6			4	<del>&lt;</del>				_			-			
LAB USE ONLY				SIGNATURE	) m			PRINTE	PRINTED NAME	) m		5 0	COMPANY	YN		-	DATE		TIME
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	RELI	RELINQUISHED BY										0							\
	RECE	RECEIVED BY																	
	Paym	ent Terms: Net (	30 day	Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection repardless of whether suit is filed in Pierce Co. WA venue. Spectra Laboratories, LLC	ts subject to	1 1/29 wheth	% per	month inte	onth interest. Customer agrees filed in Pierce Co., WA venue.	istome	r agrees	s to pay all costs of collection Spectra Laboratories, LLC	all o	osts	of co	ollect	tion includin	ng reas	sonable

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SPECIAL INSTRUCTIONS/COMMENTS:

Return Samples: Y Page 3 e W STANDARD **RUSH** ADDRESS CHANGE

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SPECTRA PROJECT # 3 子

CLIENT: PATE	tarama	ADDRESS:			CHANGE
PROJECT:		HYDROCARBONS ORGANICS	METALS	OTHER	
CONTACT:					
SAMPLED BY:			IFY)		
PHONE:	FAX:	PH) VENT	RA 8	7)	
e-MAIL:	Prefer FAX or e-MAIL	PH-G IEM (TI FOG) DA R SOLI	TALS ROTALS (S	X	
PURCHASE ORDER #		PH-HCPH-GPH-DXSGT-HEM (624 VCCHLO	META	D40/90 DX/EO BIDITY H POI	
SAMPLE ID	SAMPLED SAMPLED MATRIX	NUMI NWTF BTEX BTEX NWTF 1664 1664 8260/ 8260 8270-	TOTA TCLP	TX/TO TURE FLAS BOD	
5-21	04/04/21 1018 Soil	X	- <		
5-22	1007				
S-23	0959				
5-24	0936				
S-95	A 6460 A	<del>\</del>	4		
0	- 29				
7					
8					
9					
0					
LAB USE ONLY		SIGNATURE PRINTED NAME	<u> </u>	COMPANY DATE	TIME
	RELINQUISHED BY	Stember Strake	1. Session Pa	1) 04/02	-tsh1
	RECEIVED BY	many that marie	HOUT Sp	ectia 4-2-21	14:57
	RELINQUISHED BY		,	: (	,
	RECEIVED BY				
	Payment Terms: Net attorney's fees and a	Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. Spectra Laboratories, LLC	est. Customer agrees to pa	y all costs of collection including re	asonable

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05/12/2021

Port of Tacoma

PO Box 1837

Tacoma, WA 98401

Attn: Stanley Sasser

P.O.#:

71389

Project:

LWCHS

Sample Matrix:

Soil

Date Sampled:

05/10/2021

Date Received:

05/10/2021

Spectra Project: 2021050231

Rush

Client ID S-18 5-10"	Spectra #	Analyte Total Arsenic	<u>Result</u> 10.8	Units mg/Kg	Method SW846 6010D	Analyzed 05/12/2021
S-18 11-22"	2	Total Arsenic	15.4	mg/Kg	SW846 6010D	05/12/2021
S-19 5-10"	3	Total Arsenic	21.5	mg/Kg	SW846 6010D	05/12/2021
S-19 11-22"	4	Total Arsenic	40.0	mg/Kg	SW846 6010D	05/12/2021
S-24 5-10"	5	Total Arsenic	23.8	mg/Kg	SW846 6010D	05/12/2021
S-24 11-22"	6	Total Arsenic	28.0	mg/Kg	SW846 6010D	05/12/2021
S-25 5-10"	7	Total Arsenic	16.8	mg/Kg	SW846 6010D	05/12/2021
S-25 11-22"	8	Total Arsenic	5.8	mg/Kg	SW846 6010D	05/12/2021

SPECTRA LABORATORIES

Marie Holt, Customer Support & Proj. Manager

a7/scj

Page 1 of 1

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5/12/2021

Port of Tacoma PO Box 1837

Tacoma, WA 98401

Units:

mg/Kg

Spectra Project:

2021050231

Applies to Spectra #'s

1-8

Analyst:

**SCJ** 

**QUALITY CONTROL RESULTS** ICP Metals SW846 6010D - Soil/Solid

Method Blank

Date Digested: 5/12/2021 Date Analyzed:

5/12/2021

Element Arsenic

Blank Result

< 2.5

Laboratory Control Sample (LCS)

Date Analyzed:

5/12/2021

Element Arsenic

Spike Added 200.0

LCS Conc.

189.4

LCS %Rec 94.7

LCS Recovery limits 80-120%

Date Digested:

Date Digested:

5/12/2021

5/12/2021

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Date Analyzed:

MS

5/12/2021

Sample Spiked:

Element

Arsenic

2021050231-1

Sample Conc. 21.7

Spike Conc. 200.0

MS Conc. %Rec 205.9 92.1

MSD Conc 205.4 MSD %Rec 91.9

**RPD** 0.3

Comment:

Recovery Limits 75-125%

RPD Limit 20

SPECTRA LABORATORIES

### **Communications Record**

Internal Document

Client: Port of Tacoma

Client Contact: Stanley Sasser

Date: 5-11-21

Time: 11:08

Spectra Contact: Marie Holt

Project: LWCHS

Spectra Project: 2021050231

Stanley called and asked us to change the ID's Change sample ID's containing 10-22" to 11-22"

He didn't sample the 10" layer twice.

www.spea (253)2221 Ross Way, Tacoma, WA 98421

> -Hrsenic only SPECIAL INSTRUCTIONS/COMMENTS: need this as quick as possible 3day 5

## CHAIN OF CUSTODY

SPECTRA PROJECT #

(253) 272-4850 Fax (253) 572-9838	72-9838			4	<i>C</i> <sup>0</sup>	7071	187.050	
B	info@spectra-lab.com	<b>T</b>	Return Samples: Y(N	Page 1	of 7	STANDARD	RUSH	7
CLIENT: Part of tecoung		AD	ADDRESS:				ADDRESS CHANGE	NGE
PROJECT: LUCKS			HYDROCARBONS	ORGANICS	METALS	0	OTHER	
CONTACT: Stenley Sesse								
SAMPLED BY: Sesse		L		S	FY)			
PHONE: 253-393-943 FAX:		NTAIN			CRA 8		Y)	
e-MAIL: SS < SS-( D) porto Pto con q	Prefer FAX or e-MAIL	DF CO	ID PH-G EM (T	DA R SOL EMI VO NA	ALS R ALS (S LS RC	X	PECIF	
[편(	Com	BER (	PH-HC /NWTI PH-G PH-Dx	624 V( CHLO	L META	D40/90 DX/EO BIDITY H POI	DS (SI	
SAMPLE ID DATE SAMPLED	SAMPLED MATRIX		NWTI BTEX BTEX NWTI NWTI	8260/ 8260 8270- 8270	TOTA Av: TCLF	TX/TO	SOLI	
5-18 5-10" Meyble!	el 1140 Sil	-			•			
5-18 10-2211	1130							
5-17 5-104	215							
5-19 10-22"	1226							
5-24 5-10"	1015							
5-24 10-221	000							
(A	Shol	_						
5-25 10-22" X	p anot				_			
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Payment Terms: Net 30 days. Past due accounts subject to 1 1/2% per month interest. Customer agrees to pay all costs of collection including reasonable attorney's fees and all other costs of collection regardless of whether suit is filed in Pierce Co., WA venue. Spectra Laboratories, LLC

### Appendix B Observations from Anchor QEA Test Pit and Hand Auger Investigations

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	x	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						0-5	P14-S-26-0-5-2021		Х	
P-14-S-26	5/14/2021	1176440.6	703977.8	N		5-10	P14-S-26-5-10-2021	Х		
						30-36	P14-S-26-30-36-2021		Х	
						0-5	P14-S-27-0-5-2021		Х	
P-14-S-27	5/14/2021	1176530.4	703974.0	N		5-10	P14-S-27-5-10-2021	Х		
						30-36	P14-S-27-30-36-2021		Х	
						0-5	P14-S-28-0-5-2021		Х	
P-14-S-28	5/14/2021	1176353.1	703896.5	N		5-10	P14-S-28-5-10-2021	Х		
						30-36	P14-S-28-30-36-2021		Х	
						0-5	P14-S-29-0-5-2021		Х	
P-14-S-29	5/14/2021	1176434.0	703891.0	N		5-10	P14-S-29-5-10-2021	Х		
						30-36	P14-S-29-30-36-2021		Х	
						0-5	P14-S-30-0-5-2021		Х	
P-14-S-30	5/14/2021	1176528.0	703891.8	N		5-10	P14-S-30-5-10-2021	Х		
						30-36	P14-S-30-30-36-2021		Х	
P-14-S-31	5/14/2021	1176603.5	703888.5	Υ	5 - 36	0-5	P14-S-31-0-5-2021		Х	
F-14-3-31	J/ 14/2021	1170005.5	703000.3	Ť	5 - 50	48-54	P14-S-31-48-54-2021	Х		
			_			0-5	P14-S-32-0-5-2021		Х	
P-14-S-32	5/14/2021	1176263.5	703805.2	N		5-10	P14-S-32-5-10-2021	Х		
						30-36	P14-S-32-30-36-2021		Х	

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	X	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						0-5	P14-S-33-0-5-2021		Х	
P-14-S-33	5/14/2021	1176353.2	703804.6	N		5-10	P14-S-33-5-10-2021	Х		
						30-36	P14-S-33-30-36-2021		Х	
						0-5	P14-S-34-0-5-2021		Х	
P-14-S-34	5/14/2021	1176433.9	703804.9	N		5-10	P14-S-34-5-10-2021	Х		
						30-36	P14-S-34-30-36-2021		Х	
						0-5	P14-S-35-0-5-2021		Х	
P-14-S-35	5/14/2021	1176522.8	703803.8	N		5-10	P14-S-35-5-10-2021	Х		
						30-36	P14-S-35-30-36-2021		Х	
						0-5	P14-S-36-0-5-2021		Х	
P-14-S-36	5/14/2021	1176597.1	703799.0	Υ	12 - 24	36-42	P14-S-36-36-42-2021	Х		
						42-48	P14-S-36-42-48-2021		Х	
						0-5	P14-S-37-0-5-2021		Х	
P-14-S-37	5/14/2021	1176517.2	703716.5	Υ	12 - 24	36-42	P14-S-37-36-42-2021	Х		
						42-45	P14-S-37-42-45-2021		Х	
						0-5	P14-S-38-0-5-2021		Х	
P-14-S-38	5/14/2021	1176597.1	703717.5	Υ	5 - 16	28-34	P14-S-38-28-34-2021	Х		
						34-40	P14-S-38-34-40-2021		Х	
						0-5	P14-S-39-0-5-2021		Х	
P-14-S-39	5/14/2021	1176336.7	703395.0	N		5-10	P14-S-39-5-10-2021	Х		
						30-36	P14-S-39-30-36-2021		Х	
_						0-5	P14-S-40-0-5-2021		Х	
P-14-S-40	5/14/2021	1176420.3	703391.8	N		5-10	P14-S-40-5-10-2021	Х		
						30-36	P14-S-40-30-36-2021		Х	

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	X	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						0-5	P14-S-41-0-5-2021		Х	
	5/14/2021	1176496.9	703390.7	N		5-10	P14-S-41-5-10-2021	Х		
P-14-S-41	3/14/2021	1170450.5	703390.7	IN		18-24	P14-S-41-18-24-2021	Х		
		30-36		P14-S-41-30-36-2021		Х	Х			
	6/1/2021	1176496.9	703390.7	N		18-24	P14-S-41-18-24-2021	Х		
						0-5	P14-S-42-0-5-2021		Х	
P-14-S-42	5/14/2021	1176329.7	703321.2	Υ	6	18-24	P14-S-42-18-24-2021	Х		
						30-36	P14-S-42-30-36-2021		Х	
						0-5	P14-S-43-0-5-2021		Х	
P-14-S-43	5/14/2021	1176419.6	703324.5	N		5-10	P14-S-43-5-10-2021	Х		
						30-36	P14-S-43-30-36-2021	1	Х	
					0-5	P14-S-44-0-5-2021		Х		
P-14-S-44	5/14/2021	1176498.7	703316.5	N		5-10	P14-S-44-5-10-2021	Х		
						30-36	P14-S-44-30-36-2021	1	Х	
						0-5	P14-S-45-0-5-2021	1	Х	
P-14-S-45	5/14/2021	1176586.2	703311.6	N		5-10	P14-S-45-5-10-2021	Х		
						30-36	P14-S-45-30-36-2021		Х	
						0-5	P14-S-46-0-5-2021		Х	
P-14-S-46	5/14/2021	1176320.4	703236.0	Υ	7 - 12	24-30	P14-S-46-24-30-2021	Х		
						30-36	P14-S-46-30-36-2021		Х	
						0-5	P14-S-47-0-5-2021		Х	
P-14-S-47	5/14/2021	1176410.6	703237.6	Y	5 - 14	26-32	P14-S-47-26-32-2021	Х		
		11/6410.6				32-38	P14-S-47-32-38-2021		Х	

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	X	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						0-5	P14-S-48-0-5-2021		Х	
P-14-S-48	5/14/2021	1176494.2	703241.2	Υ	5 - 16	28-34	P14-S-48-28-34-2021	Х		
						34-40	P14-S-48-34-40-2021		Х	
						0-5	P14-S-49-0-5-2021		Х	
P-14-S-49	5/14/2021	1176593.9	703243.3	Υ	5 - 12	24-30	P14-S-49-24-30-2021	Х		
						30-36	P14-S-49-30-36-2021		Х	
						0-5	P14-S-50-0-5-2021		Х	
P-14-S-50	5/14/2021	1176506.6	703171.6	N		5-10	P14-S-50-5-10-2021	Х		
						30-36	P14-S-50-30-36-2021		Х	
						0-5	P14-S-51-0-5-2021		Х	
P-14-S-51	5/14/2021	1176591.2	703169.0	N		5-10	P14-S-51-5-10-2021	Х		
						30-36	P14-S-51-30-36-2021		Х	
						0-5	P14-S-52-0-5-2021		Х	
P-14-S-52	5/14/2021	1176236.2	703241.3	N		5-10	P14-S-52-5-10-2021	Х		
						30-36	P14-S-52-30-36-2021		Х	
						0-5	P14-S-53-0-5-2021		Х	
P-14-S-53	5/14/2021	1176240.1	703312.1	Υ	3 - 7	19-25	P14-S-53-19-25-2021	Х		
						30-36	P14-S-53-30-36-2021		Х	
						0-5	P14-S-54-0-5-2021		Х	
P-14-S-54	5/17/2021	1176239.4	703387.6	Υ	17-29	29-41	P14-S-54-29-41-2021		Х	
						41-47	P14-S-54-41-47-2021	Х		
						0-5	P14-S-55-0-5-2021		Х	
P-14-S-55	5/17/2021	1176153.0	703313.2	N		5-10	P14-S-55-5-10-2021	Х		
						30-36	P14-S-55-30-36-2021		Х	

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	X	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						0-5	P14-S-56-0-5-2021		Х	
P-14-S-56	5/17/2021	1176322.8	703177.5	N		5-10	P14-S-56-5-10-2021	Х		
						30-36	P14-S-56-30-36-2021		Х	
						0-5	P14-S-57-0-5-2021		Х	
P-14-S-57	5/17/2021	1176409.1	703174.8	N		5-10	P14-S-57-5-10-2021	Х		
						30-36	P14-S-57-30-36-2021		Х	
						0-5	P14-S-58-0-5-2021		Х	
P-14-S-58	5/17/2021	1176594.1	703623.5	Υ	10-12	24-30	P14-S-58-24-30-2021	Х		
						30-36	P14-S-58-30-36-2021		Х	
						0-5	P14-S-59-0-5-2021		Х	
P-14-S-59	5/17/2021	1176524.1	703626.0	Υ	27-29	35-41	P14-S-59-35-41-2021		Х	
						41-47	P14-S-59-41-47-2021	Х		
						0-5	P14-S-60-0-5-2021		Х	
P-14-S-60	5/17/2021	1176431.5	703716.9	Y	20-30	32-40	P14-S-60-32-40-2021		Х	
					-	40-46	P14-S-60-40-46-2021	Х		
						0-5	P14-S-61-0-5-2021		Х	
P-14-S-61	5/17/2021	1176604.2	703960.9	N		5-10	P14-S-61-5-10-2021	Х		
						30-36	P14-S-61-30-36-2021		Х	
						0-5	P14-S-62-0-5-2021		Х	
P-14-S-62	5/17/2021	1176254.8	703478.7	N		5-10	P14-S-62-5-10-2021	Х		
						30-36	P14-S-62-30-36-2021		Х	
						0-5	P14-S-63-0-5-2021		Х	
P-14-S-63	5/17/2021	1 1176160.4	703395.2	N		5-10	P14-S-63-5-10-2021	Х		
						30-36	P14-S-63-30-36-2021		Х	

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	х	Υ	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered	
						0-5	P14-S-64-0-5-2021		Х		
P-14-S-64	5/17/2021	1176430.9	703634.3	N		5-10	P14-S-64-5-10-2021	Х			
						30-36	P14-S-64-30-36-2021		Х		
						0-5	P14-S-65-0-5-2021		Х		
P-14-S-65	5/17/2021	1176361.3	703716.7	N		5-10	P14-S-65-5-10-2021	Х			
						30-36	P14-S-65-30-36-2021		Х		
						0-5	P14-S-66-0-5-2021		Х		
P-14-S-66	5/17/2021	1176528.3	703538.5	N		5-10	P14-S-66-5-10-2021	Х			
P-14-5-66						30-36	P14-S-66-30-36-2021		Х	Х	
	6/1/2021	1176528.3	703538.5	N		18-24	P14-S-66-18-24-2021	Х			
							0-5	P14-S-67-0-5-2021		Х	
P-14-S-67	5/17/2021	1176585.5	703537.0	N		5-10	P14-S-67-5-10-2021	Х			
P-14-3-07						30-36	P14-S-67-30-36-2021		Х	Х	
	6/1/2021	1176585.5	703537.0	N		18-24	P14-S-67-18-24-2021	Х			
P-14-S-68	6/1/2021	1176594.953	703912.6445	N		27	P14-S-68-27-2021	Х			
P-14-S-69	6/1/2021	1176569.408	703885.8082	N		27	P14-S-69-27-2021	Х			
P-14-S-70	6/1/2021	1176568.583	703800.539	N		21	P14-S-70-21-2021	Х			
P-14-S-71	6/1/2021	1176526.928	703746.9299	N		21	P14-S-71-21-2021	Х			
P-14-S-72	6/1/2021	1176439.038	703747.7537	N		21	P14-S-72-21-2021	Х			
P-14-S-73	6/1/2021	1176408.125	703716.8233	N		21	P14-S-73-21-2021	Х			
P-14-S-74	6/1/2021	1176439.24	703689.3883	N		21	P14-S-74-21-2021	Х			
P-14-S-75	6/1/2021	1176493.015	703628.7415	N		21	P14-S-75-21-2021	Х			
P-14-S-76	6/1/2021	1176524.92	703593.6963	N		21	21 P14-S-76-21-2021 X				
P-14-S-77	6/1/2021	1176591.256	703594.6421	N		18	P14-S-77-18-2021	Х			

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	Х	Y	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
						5-10	P14-S-78-5-10-2021	Χ		
P-14-S-78	6/1/2021	1176571.057	703461.4157	N		18-24	P14-S-78-18-24-2021	Х		
						30-36	P14-S-78-30-36-2021		Х	
						5-10	P14-S-79-5-10-2021		Х	
P-14-S-79	6/1/2021	1176502.391	703461.5624	Y	12-24	18-24	P14-S-79-18-24-2021		Х	
F-14-3-79	0/1/2021	1170302.331	703401.3024	ľ	12-24	30-36	P14-S-79-30-36-2021		Х	
						36-40	P14-S-79-36-40-2021	Х		
						5-10	P14-S-80-5-10-2021	Х		
P-14-S-80	6/1/2021	1176536.452	703387.326	N		18-24	P14-S-80-18-24-2021	Х		
						30-36	P14-S-80-30-36-2021		Х	
P-14-S-81	6/1/2021	1176238.235	703418.2193	Υ	5-34		No Sample (Stepped out)			
P-14-S-82	6/1/2021	1176211.035	703387.737	N		21	P14-S-82-21-2021	Х		
P-14-S-83	6/1/2021	1176275.299	703387.841	N		21	P14-S-83-21-2021	Х		
P-14-S-84	6/1/2021	1176326.199	703346.5459	N		12	P14-S-84-12-2021	Х		
P-14-S-85	6/1/2021	1176211.071	703312.4747	Υ	18		No Sample (Stepped out)			
P-14-S-86	6/1/2021	1176359.605	703312.7697	N		12	P14-S-86-12-2021	Х		
P-14-S-87	6/1/2021	1176238.813	703288.4777	N		12	P14-S-87-12-2021	Х		
P-14-S-88	6/1/2021	1176292.311	703237.7764	N		15	P14-S-88-15-2021	Х		
P-14-S-89	6/1/2021	1176414.059	703264.9866	N		15	P14-S-89-15-2021	Х		
P-14-S-90	6/1/2021	1176502.079	703264.1612	Υ	5		No Sample (Stepped out)			
P-14-S-91	6/1/2021	1176589.179	703264.503	N		15	P14-S-91-15-2021			
P-14-S-92	6/1/2021	1176325.939	703214.7341	Υ	8-20		No Sample (Stepped out)			
P-14-S-93	6/1/2021	1176413.962	703215.5566	N		15 P14-S-93-15-2021		Х		
P-14-S-94	6/1/2021	1176501.981	703214.7328	N		15	P14-S-94-15-2021	Х		

Table B-1
Anchor QEA Field Observations and Testing Summary Table

Station	Date	х	Y	Slag (Y/N)	Slag Depth (inches bgs)	Sample Depth (inches bgs)	Sample ID	Test	Archive	Archive Triggered
P-14-S-95	6/1/2021	1176590.004	703215.5553	N		15	P14-S-95-15-2021	Х		
P-14-S-96	6/1/2021	1176493.039	703538.5707	N		18	P14-S-96-18-2021	Х		
						5-10	P14-S-97-5-10-2021	Х		
P-14-S-97	6/1/2021	1176511.991	703493.3313	N		18-24	P14-S-97-18-24-2021	Х		
						30-36	P14-S-97-30-36-2021		Х	
						5-10	P14-S-98-5-10-2021	Х		
P-14-S-98	6/1/2021	1176534.081	703463.1274	N		18-24	P14-S-98-18-24-2021	Х		
						30-36	P14-S-98-30-36-2021		Х	
						5-10	P14-S-99-5-10-2021	Х		
P-14-S-99	6/1/2021	1176503.334	703436.5867	N		18-24	P14-S-99-18-24-2021	Х		
						30-36	P14-S-99-30-36-2021		Х	
						5-10	P14-S-100-5-10-2021	Х		
P-14-S-100	6/1/2021	1176477.989	703467.3237	N		18-24	P14-S-100-18-24-2021	Х		
						30-36	P14-S-100-30-36-2021		Х	
P-14-S-101	6/1/2021	1176504.887	703293.2137	N		15	P14-S-101-15-2021	Х		
P-14-S-102	6/1/2021	1176324.274	703198.775	N		15 P14-S-102-15-2021		Х		
P-14-S-103	6/1/2021	1176247.81	703451.6933	N		21	21 P14-S-103-21-2021 X			
P-14-S-104	6/1/2021	1176181.638	703317.5047	N		12 P14-S-104-12-2021 X		Х		
P-14-S-105	6/11/2021	1176304.421	703388.279	N		21	P14-S-105-21-2021	Х		

Notes:

Coordinates are in NAD 83 Washington State Plane South U.S. Survey feet

bgs: below ground surface

Sample exceeds MTCA Method A for arsenic (20 mg/kg)

# Appendix C Analytical Testing Data from Anchor QEA Soil Sampling Efforts



# **Environment Testing America**

# **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103094-1

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave **Suite 2600** Seattle, Washington 98101

Attn: Cindy Fields

# M. Slains Walker

Authorized for release by: 5/19/2021 2:41:57 PM Elaine Walker, Project Manager II (253)248-4972 m.elaine.walker@eurofinset.com

Designee for

Nathan Lewis, Project Manager I (253)922-2310 Nathan.Lewis@Eurofinset.com



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**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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103094-1

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	
Client Sample Results	5
QC Sample Results	61
Chronicle	63
Certification Summary	73
Sample Summary	74
Chain of Custody	75
Receipt Checklists	84

#### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-1

Job ID: 580-103094-1

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative 580-103094-1

#### Receipt

The samples were received on 5/15/2021 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.7° C, 5.6° C, 5.7° C and 12.4° C.

#### **Receipt Exceptions**

The following samples were received at the laboratory outside the required temperature criteria: 580-103094-13, -14, -15, -49, -50, -53, -54, -55, -56, -57, -58, -59, -60, -61, -62, -63, -64, -65, -66, & -67. Cooler #2 was out of temp. at 12.4C. Temperature was taken of all samples and they were all out of temp. Some of these samples were archived and not analyzed per the COC.

#### 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.

#### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

#### **Qualifiers**

M	eta	Is

Qualifier **Qualifier Description** 

F3 Duplicate RPD exceeds the control limit

#### **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

Percent Recovery %R **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER** 

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 MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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** 

Reporting Limit or Requested Limit (Radiochemistry) RL

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

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

Too Numerous To Count **TNTC** 

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-27-5-10-2021 Lab Sample ID: 580-103094-1

Date Collected: 05/14/21 16:26

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90.1		0.1		%			05/17/21 17:02	1
Percent Moisture	9.9		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 16:26 Matrix: Solid
Date Received: 05/15/21 11:45 Percent Solids: 90.1

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared mg/Kg
 Analyzed poi/17/21 13:45
 Dil Fac poi/18/21 20:31
 4

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-26-5-10-2021 Lab Sample ID: 580-103094-5

Date Collected: 05/14/21 16:21

Lab Sample 1D. 560-103094-5

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result Q	ualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.4		0.1		%			05/17/21 17:02	1
Percent Moisture	16.6		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-26-5-10-2021 Lab Sample ID: 580-103094-5

Method: 6020B - Metals (ICP/M	IS)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2	0.53	mg/Kg	<u></u>	05/17/21 13:45	05/18/21 21:13	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-29-5-10-2021 Lab Sample ID: 580-103094-9

Date Collected: 05/14/21 16:16 Lab Sample 1D. 560-103094-9

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.7		0.1		%			05/17/21 17:02	1
Percent Moisture	6.3		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103094-9 Client Sample ID: P14-S-29-5-10-2021

Date Collected: 05/14/21 16:16 **Matrix: Solid** Date Received: 05/15/21 11:45 Percent Solids: 93.7

Method: 6020B - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Arsenic 0.37 mg/Kg

6.0

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-30-5-10-2021 Lab Sample ID: 580-103094-13

Date Collected: 05/14/21 15:01

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result Qu	ualifier RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.2	0.1		%			05/17/21 17:02	1
Percent Moisture	6.8	0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-30-5-10-2021 Lab Sample ID: 580-103094-13

Method: 6020B - Metals (ICP/MS	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arconic	1 7	0.34	ma/Ka		05/17/21 13:45	05/18/21 21:20	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 16:06

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.8	0.1	<u></u> %			05/17/21 17:02	1
Percent Moisture	10.2	0.1	%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 16:06 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 89.8

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2		0.33		mg/Kg	<u></u>	05/17/21 13:45	05/18/21 21:24	10

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4.0

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 15:41

Date Received: 05/15/21 11:45

General Chemistry				_			
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72.4	0.1	<u></u> %			05/17/21 17:02	1
Percent Moisture	27.6	0.1	%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 15:41 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 72.4

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.6		0.52		mg/Kg	₽	05/17/21 13:45	05/18/21 21:28	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:51

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.5		0.1		%			05/17/21 17:02	1
Percent Moisture	16.5		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:51

Matrix: Solid
Date Received: 05/14/21 11:51

Date Received: 05/15/21 11:45

Percent Solids: 83.5

Mothod: 6020R - Motals (ICP/MS)

Method: 6020B - Metals (ICP/M	<del>5</del> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	0.35	mg/Kg	_ <u></u>	05/17/21 13:45	05/18/21 21:32	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:41 Lab Sample 1D: 300-103094-23

Date Collected: 05/14/21 11:41 Matrix: Solid Date Received: 05/15/21 11:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81.4	0.1	%			05/17/21 17:02	1
Percent Moisture	18.6	0.1	%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-39-5-10-2021 Lab Sample ID: 580-103094-23

Date Collected: 05/14/21 11:41 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 81.4

Method: 6020B - Metals (ICP/M)	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2	0.44	mg/Kg	<u></u>	05/17/21 13:45	05/18/21 21:36	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-50-5-10-2021 Lab Sample ID: 580-103094-24

Date Collected: 05/14/21 10:36 Lab Gample 1D: 300-103034-24

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77.9		0.1		%			05/17/21 17:02	1
Percent Moisture	22.1		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:36 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 77.9

Method: 6020B - Metals (ICP/M	S)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.3		0.42		mg/Kg	<u></u>	05/17/21 13:4	05/18/21 21:39	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:16 Lab Gample 1D: 300-103034-20

Date Received: 05/15/21 11:45

	General Chemistry									
.	Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Percent Solids	79.7		0.1		%			05/17/21 17:02	1
L	Percent Moisture	20.3		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-47-26-32-2021 Lab Sample ID: 580-103094-28

Date Collected: 05/14/21 10:16

Date Received: 05/15/21 11:45

Matrix: Solid
Percent Solids: 79.7

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.38
 MDL mit mg/Kg
 D mg/Kg
 Prepared D5/17/21 13:45
 Analyzed Dil Fac D5/18/21 21:43
 Dil Fac D5/18/21 21:43
 D mg/Kg
 D mg/Kg</

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 09:31

Matrix: Solid

Date Collected: 05/14/21 09:31 Matrix: Solid Date Received: 05/15/21 11:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78.1	0.1	<u></u> %			05/17/21 17:02	1
Percent Moisture	21.9	0.1	%			05/17/21 17:02	1

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-51-5-10-2021 Lab Sample ID: 580-103094-34

Date Collected: 05/14/21 09:31

Matrix: Solid

Parcent Solids: 78.1

Date Received: 05/15/21 11:45 Percent Solids: 78.1

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared point 05/17/21 13:45
 Analyzed point Fac 05/18/21 20:27
 D mg/Kg
 Prepared prepared point 05/17/21 13:45
 Molume prepared point 05/18/21 20:27
 D mg/Kg
 Prepared prepared point 05/18/21 20:27
 D mg/Kg
 D mg/Kg
 Prepared prepared point 05/18/21 20:27
 D mg/Kg
 D mg/Kg
 Prepared prepared point 05/18/21 20:27
 D mg/Kg
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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:51

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.8		0.1		%			05/17/21 17:02	1
Percent Moisture	6.2		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:51

Matrix: Solid

Date Collected: 05/14/21 10:51

Date Received: 05/15/21 11:45 Percent Solids: 93.8

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.38		mg/Kg	≎	05/17/21 13:45	05/18/21 22:02	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:16

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	72.7		0.1		%			05/17/21 17:02	1
Percent Moisture	27.3		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103094-40 Client Sample ID: P14-S-48-28-34-2021

Date Collected: 05/14/21 10:16 **Matrix: Solid** Date Received: 05/15/21 11:45 Percent Solids: 72.7

Method: 6020B - Metals (ICP/MS)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Arsenic 0.43 mg/Kg 10 8.2

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 10:31

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91.9		0.1		%			05/17/21 17:02	1
Percent Moisture	8.1		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-49-24-30-2021 Lab Sample ID: 580-103094-41

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL 0.29
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared point 05/17/21 13:45
 Analyzed point 05/18/21 22:10
 D mg/Kg

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 12:11 East Cample 15: 300-103031-43

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85.8		0.1		%			05/17/21 17:02	1
Percent Moisture	14.2		0.1		%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-41-5-10-2021 Lab Sample ID: 580-103094-45

Date Collected: 05/14/21 12:11 East Sample 15: 666 16664 46

Date Received: 05/15/21 11:45 Percent Solids: 85.8

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared point mg/Kg
 Analyzed point mg/Kg
 D mg/Kg
 Prepared prepared point mg/Kg
 Analyzed point mg/Kg
 D mg/Kg
 05/17/21 13:45
 05/18/21 22:14
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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-40-5-10-2021 Lab Sample ID: 580-103094-46

Date Collected: 05/14/21 12:01

Date Received: 05/15/21 11:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87.8	0.1	<u></u> %			05/17/21 17:02	1
Percent Moisture	12.2	0.1	%			05/17/21 17:02	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-40-5-10-2021 Lab Sample ID: 580-103094-46

Date Collected: 05/14/21 12:01

Matrix: Solid
Date Received: 05/14/21 11:05

Date Received: 05/15/21 11:45

Method: 6020B - Metals (ICP/MS)

Wethou. 0020D - Wetais (ICF/WS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.7		0.42		mg/Kg	₩	05/17/21 13:45	05/18/21 22:18	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-44-5-10-2021 Lab Sample ID: 580-103094-49

Date Collected: 05/14/21 11:16

Lab Sample 1D: 300-103094-49

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry						_	_		
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.7		0.1		%			05/17/21 18:26	1
Percent Moisture	10.3		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-44-5-10-2021 Lab Sample ID: 580-103094-49

 Date Collected: 05/14/21 11:16
 Matrix: Solid

 Date Received: 05/15/21 11:45
 Percent Solids: 89.7

Method: 6020B - Metals (ICP/MS	)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		0.43		mg/Kg	<u> </u>	05/17/21 13:45	05/18/21 22:22	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:26 Lab Gample 1D: 300-103034-32

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.7		0.1		%			05/17/21 18:26	1
Percent Moisture	10.3		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:26

Matrix: Solid
Date Received: 05/15/21 11:45

Percent Solids: 89.7

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:26

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result Qualifie	er RL	RL Uni	it D	Prepared	Analvzed	Dil Fac
Percent Solids	80.7	0.1	<del>%</del>			05/17/21 18:26	1
Percent Moisture	19.3	0.1	%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:26

Matrix: Solid
Date Received: 05/15/21 11:45

Percent Solids: 80.7

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared point 05/17/21 13:48
 Analyzed point 18:09
 Dil Fac point 18:09

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-52-5-10-2021 Lab Sample ID: 580-103094-56

Date Collected: 05/14/21 13:16

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.9		0.1		%			05/17/21 18:26	1
Percent Moisture	10.1		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:16 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 89.9

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	0.43	mg/Kg	<u></u>	05/17/21 13:48	05/18/21 18:51	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 11:06

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.6		0.1		%			05/17/21 18:26	1
Percent Moisture	6.4		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-45-5-10-2021 Lab Sample ID: 580-103094-61

Date Collected: 05/14/21 11:06

Matrix: Solid
Date Received: 05/15/21 11:45

Percent Solids: 93.6

Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
 MDL mg/Kg
 Unit mg/Kg
 D Qualifier Q

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 15:18 Lab Sample 1D: 300-103094-00

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87.1		0.1		%			05/17/21 18:26	1
Percent Moisture	12.9		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

 Method: 6020B - Metals (ICP/MS)
 Result Analyte
 Result Res

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 15:06 East Sample 15: 300-103034-07

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result Qualifie	er RL	RL U	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85.4	0.1	9	%			05/17/21 18:26	1
Percent Moisture	14.6	0.1	9	%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 15:06

Matrix: Solid
Date Received: 05/14/21 11:45

Date Received: 05/15/21 11:45 Percent Solids: 85.4

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.2		0.31		mg/Kg	₩	05/17/21 13:48	05/18/21 19:02	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:41

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.8		0.1		%			05/17/21 18:26	1
Percent Moisture	13.2		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:41 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 86.8

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9	0.40	mg/Kg	<u></u>	05/17/21 13:48	05/18/21 19:06	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:51

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.3		0.1		%			05/17/21 18:26	1
Percent Moisture	11.7		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 13:51

Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 88.3

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.31
 MDL Unit mg/Kg
 D op/Rg
 Prepared op/Prepared op/D5/17/21 13:48
 Analyzed op/D5/18/21 19:10
 Dil Fac op/Table op/

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 14:01

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94.6		0.1		%			05/17/21 18:26	1
Percent Moisture	5.4		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 14:01

Matrix: Solid

Date Received: 05/14/21 14:01

Percent Solids: 94.6

Date Received: 05/15/21 11:45 Percent Solids: 94.6

Method: 6020B - Metals (ICP/MS)									
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.7		0.24		mg/Kg	₩	05/17/21 13:48	05/18/21 19:14	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 16:55

Lab Sample 1D. 500-103094-79

Matrix: Solid

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result Q	ualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82.5		0.1		%			05/17/21 18:26	1
Percent Moisture	17.5		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 16:55

Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 82.5

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16		0.47		mg/Kg	☼	05/17/21 13:48	05/18/21 19:18	10

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-34-5-10-2021 Lab Sample ID: 580-103094-83

Date Collected: 05/14/21 16:06 Lab Gample 1D: 300-103034-03

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.9		0.1		%			05/17/21 18:26	1
Percent Moisture	13.1		0.1		%			05/17/21 18:26	1

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Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-34-5-10-2021 Lab Sample ID: 580-103094-83

Date Collected: 05/14/21 16:06 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 86.9

Method: 6020B - Metals (ICP/M	<b>S</b> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.4	0.43	mg/Kg	<u></u>	05/17/21 13:48	05/18/21 19:22	10

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Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-356736/22-A Client Sample ID: Method Blank

**Matrix: Solid** 

Analysis Batch: 356895

Client: Anchor QEA LLC

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.50 05/17/21 13:45 05/18/21 20:23 Arsenic ND mg/Kg

Lab Sample ID: LCS 580-356736/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 356736 Analysis Batch: 356895** Spike LCS LCS %Rec. Added Result Qualifier Unit D %Rec Limits Analyte

50.0 80 - 120 Arsenic mg/Kg 102 Lab Sample ID: LCSD 580-356736/24-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 356895 Prep Batch: 356736** 

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Spike LCSD LCSD %Rec. **RPD** Limits Added Result Qualifier Limit Analyte Unit D %Rec RPD Arsenic 50.0 51.5 80 - 120 mg/Kg

Lab Sample ID: 580-103094-1 MS Client Sample ID: P14-S-27-5-10-2021 Prep Type: Total/NA

**Matrix: Solid** 

**Analysis Batch: 356895** 

**Prep Batch: 356736** Spike MS MS %Rec. Sample Sample

Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits 39 9 80 - 120 Arsenic 18 51.3 mg/Kg

Lab Sample ID: 580-103094-1 MSD

**Matrix: Solid** 

Analysis Batch: 356895

**Prep Batch: 356736** MSD MSD Sample Sample Spike %Rec. **RPD** Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Limit 18 41.4 51.8 81 80 - 120 Arsenic mg/Kg

Client Sample ID: P14-S-27-5-10-2021 Lab Sample ID: 580-103094-1 DU

**Matrix: Solid** 

Analysis Batch: 356895 **Prep Batch: 356736** DU DU Sample Sample **RPD** Result Qualifier Result Qualifier **RPD** Limit Analyte Unit Arsenic 18 12.9 F3 mg/Kg

Lab Sample ID: MB 580-356737/22-A Client Sample ID: Method Blank

**Matrix: Solid** 

**Analysis Batch: 356895** 

MB MB

Result Qualifier RL **MDL** Unit **Prepared** Analyte Analyzed Dil Fac 0.50 05/17/21 13:48 05/18/21 18:01 Arsenic ND mg/Kg

Lab Sample ID: LCS 580-356737/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** 

**Analysis Batch: 356895 Prep Batch: 356737** Spike LCS LCS %Rec.

Added Limits Analyte Result Qualifier Unit D %Rec Arsenic 50.0 101 80 - 120 50.6 mg/Kg

Eurofins FGS, Seattle

Prep Type: Total/NA **Prep Batch: 356736** 

Client Sample ID: P14-S-27-5-10-2021 Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

**Prep Batch: 356737** 

Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCSD 580-356737/24-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analyte

Arsenic

Analyte

Arsenic

Analyte

Arsenic

Arsenic

Analyte

Percent Solids

Percent Moisture

Client: Anchor QEA LLC

Prep Type: Total/NA **Prep Batch: 356737** Analysis Batch: 356895 Spike LCSD LCSD

Added

50.0

34.8

%Rec. **RPD** D %Rec Limits RPD Limit

> Prep Type: Total/NA **Prep Batch: 356737**

20

Lab Sample ID: 580-103094-54 MS Client Sample ID: P14-S-53-19-25-2021

**Matrix: Solid** 

**Analysis Batch: 356895** 

Sample Sample Result Qualifier

4.2

4.2

4.2

Spike Added

MS MS Result Qualifier Unit 40.0

Unit

mg/Kg

mg/Kg

D %Rec 103

102

Limits

%Rec.

Client Sample ID: P14-S-53-19-25-2021

80 - 120

80 - 120

Lab Sample ID: 580-103094-54 MSD

**Matrix: Solid** 

**Analysis Batch: 356895** 

Sample Sample Result Qualifier

Spike Added 34.8

37.0

MSD MSD Result Qualifier Unit

Result Qualifier

51.0

D mg/Kg

%Rec. Limits %Rec 94 80 - 120

Client Sample ID: P14-S-53-19-25-2021

**RPD** RPD Limit

Prep Type: Total/NA

**Prep Batch: 356737** 

Lab Sample ID: 580-103094-54 DU

**Matrix: Solid** 

**Analysis Batch: 356895** 

Analyte

DU DU Sample Sample Result Qualifier

Result Qualifier 4.32

DU DU

89.3

10.7

Unit D mg/Kg

Unit

%

%

D

**Prep Batch: 356737 RPD** 

Limit 20

Prep Type: Total/NA

Method: 2540G - SM 2540G

Lab Sample ID: 580-103094-83 DU

**Matrix: Solid** 

Analysis Batch: 356764

Sample Sample

Result Qualifier Result Qualifier 86.9 13.1

Client Sample ID: P14-S-34-5-10-2021

Prep Type: Total/NA

20

20

**RPD RPD** Limit 3 20

Eurofins FGS, Seattle

5/19/2021

Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-27-5-10-2021

Date Collected: 05/14/21 16:26 Date Received: 05/15/21 11:45

Client: Anchor QEA LLC

Lab Sample ID: 580-103094-1

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-27-5-10-2021

Date Collected: 05/14/21 16:26

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-1 **Matrix: Solid** 

Percent Solids: 90.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 20:31	FCW	FGS SEA

Client Sample ID: P14-S-26-5-10-2021

Date Collected: 05/14/21 16:21

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-5

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-26-5-10-2021

Date Collected: 05/14/21 16:21

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-5 **Matrix: Solid** 

Percent Solids: 83.4

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 21:13	FCW	FGS SEA

Client Sample ID: P14-S-29-5-10-2021

•	•
Date Collected: 05/14/21 16:16	Matrix: Solid
Date Received: 05/15/21 11:45	

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-29-5-10-2021

Date Collected: 05/14/21 16:16

Date Received: 05/15/21 11:45

Lab	<b>Sample</b>	ID:	580-103094-9

Lab Sample ID: 580-103094-13

Lab Sample ID: 580-103094-9

Matrix: Solid Percent Solids: 93.7

		Batch	Batch		Dilution	Batch	Prepared		
F	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Ī	Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
1	Total/NA	Analysis	6020B		10	356895	05/18/21 21:16	FCW	FGS SEA

Client Sample ID: P14-S-30-5-10-2021

Date Collected: 05/14/21 15:01

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356764	05/17/21 17:02	CCH	FGS SEA

Eurofins FGS, Seattle

Page 63 of 84

5/19/2021

Matrix: Solid

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-30-5-10-2021

Date Collected: 05/14/21 15:01 Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-13 Matrix: Solid

Percent Solids: 93.2

Matrix: Solid

Job ID: 580-103094-1

Batch Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type** Type Run **Factor** Analyst Lab Total/NA 3050B 356736 05/17/21 13:45 FGS SEA Prep Total/NA 6020B 356895 05/18/21 21:20 FCW FGS SEA Analysis 10

Client Sample ID: P14-S-35-5-10-2021 Lab Sample ID: 580-103094-14

Date Collected: 05/14/21 16:06

Date Received: 05/15/21 11:45

Batch Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type Factor** Type Run Analyst Lab CCH FGS SEA Total/NA Analysis 2540G 356764 05/17/21 17:02

Client Sample ID: P14-S-35-5-10-2021 Lab Sample ID: 580-103094-14

Date Collected: 05/14/21 16:06 **Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 89.8

Dilution Batch Batch Batch **Prepared** Method Factor Number or Analyzed Analyst Lab **Prep Type** Type Run Total/NA Prep 3050B 356736 05/17/21 13:45 ТМН FGS SEA Total/NA Analysis 6020B 10 356895 05/18/21 21:24 FCW **FGS SEA** 

Client Sample ID: P14-S-31-48-54-2021 Lab Sample ID: 580-103094-15

Date Collected: 05/14/21 15:41 **Matrix: Solid** 

Date Received: 05/15/21 11:45

Dilution Batch Batch Prepared Batch **Prep Type** Type Method Run **Factor** Number or Analyzed **Analyst** Lab 2540G 356764 05/17/21 17:02 CCH FGS SEA Total/NA Analysis

Client Sample ID: P14-S-31-48-54-2021 Lab Sample ID: 580-103094-15

Date Collected: 05/14/21 15:41 Matrix: Solid Date Received: 05/15/21 11:45 Percent Solids: 72.4

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 05/17/21 13:45 ТМН FGS SEA 356736 Total/NA Analysis

10 Client Sample ID: P14-S-42-18-26-2021 Lab Sample ID: 580-103094-22

356895

05/18/21 21:28

FCW

**FGS SEA** 

Date Collected: 05/14/21 11:51 **Matrix: Solid** 

Date Received: 05/15/21 11:45

6020B

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-42-18-26-2021

Date Collected: 05/14/21 11:51

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-22

**Matrix: Solid Percent Solids: 83.5** 

Job ID: 580-103094-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 21:32	FCW	FGS SEA

Client Sample ID: P14-S-39-5-10-2021

Date Collected: 05/14/21 11:41

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-23

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-39-5-10-2021

Date Collected: 05/14/21 11:41

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-23

**Matrix: Solid** Percent Solids: 81.4

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 21:36	FCW	FGS SEA

Client Sample ID: P14-S-50-5-10-2021

Date Collected: 05/14/21 10:36

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-24

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-50-5-10-2021

Date Collected: 05/14/21 10:36

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-24

Matrix: Solid Percent Solids: 77.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 21:39	FCW	FGS SEA

Client Sample ID: P14-S-47-26-32-2021

Date Collected: 05/14/21 10:16

Date Received: 05/15/21 11:45

Lab Sample	ID:	580-1	030	94-28
			4.0	O 11 1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-47-26-32-2021

Date Collected: 05/14/21 10:16

Lab Sample ID: 580-103094-28

**Matrix: Solid** 

Percent Solids: 79.7

Job ID: 580-103094-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 21:43	FCW	FGS SEA

Client Sample ID: P14-S-51-5-10-2021

Date Collected: 05/14/21 09:31 Date Received: 05/15/21 11:45

Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-34

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-51-5-10-2021

Date Collected: 05/14/21 09:31

Lab Sample ID: 580-103094-34

**Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 78.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 20:27	FCW	FGS SEA

Client Sample ID: P14-S-46-26-36-2021

Date Collected: 05/14/21 10:51 Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-36

**Matrix: Solid** 

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-46-26-36-2021

Date Collected: 05/14/21 10:51

Lab Sample ID: 580-103094-36

Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 93.8

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 22:02	FCW	FGS SEA

Client Sample ID: P14-S-48-28-34-2021

Lab Sample ID: 580-103094-40 Date Collected: 05/14/21 10:16

**Matrix: Solid** 

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-48-28-34-2021

Lab Sample ID: 580-103094-40 Date Collected: 05/14/21 10:16 **Matrix: Solid** 

Percent Solids: 72.7

Matrix: Solid

Date Received: 05/15/21 11:45

Client: Anchor QEA LLC

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 22:06	FCW	FGS SEA

Client Sample ID: P14-S-49-24-30-2021 Lab Sample ID: 580-103094-41

Date Collected: 05/14/21 10:31

Date Received: 05/15/21 11:45

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-49-24-30-2021 Lab Sample ID: 580-103094-41

Date Collected: 05/14/21 10:31

**Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 91.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 22:10	FCW	FGS SEA

Client Sample ID: P14-S-41-5-10-2021 Lab Sample ID: 580-103094-45

Date Collected: 05/14/21 12:11 **Matrix: Solid** 

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

Client Sample ID: P14-S-41-5-10-2021 Lab Sample ID: 580-103094-45

Date Collected: 05/14/21 12:11 Matrix: Solid Date Received: 05/15/21 11:45 Percent Solids: 85.8

Batch **Batch** Dilution Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 356736 05/17/21 13:45 TMH FGS SEA Total/NA Analysis 6020B 10 356895 05/18/21 22:14 FCW **FGS SEA** 

Client Sample ID: P14-S-40-5-10-2021 Lab Sample ID: 580-103094-46

Date Collected: 05/14/21 12:01 Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 17:02	CCH	FGS SEA

**Matrix: Solid** 

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-40-5-10-2021

Date Collected: 05/14/21 12:01 Date Received: 05/15/21 11:45 Lab Sample ID: 580-103094-46

**Matrix: Solid** 

Job ID: 580-103094-1

Percent Solids: 87.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 22:18	FCW	FGS SEA

Client Sample ID: P14-S-44-5-10-2021

Date Collected: 05/14/21 11:16 Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-49

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client Sample ID: P14-S-44-5-10-2021 Lab Sample ID: 580-103094-49

Date Collected: 05/14/21 11:16 Date Received: 05/15/21 11:45 **Matrix: Solid** 

Percent Solids: 89.7

Bron Type	Batch	Batch Method	Run	Dilution	Batch Number	Prepared or Analyzed	Analyst	l ab
Prep Type Total/NA	Type	3050B	Kuli	Factor		05/17/21 13:45		FGS SEA
	Prep			40				
Total/NA	Analysis	6020B		10	356895	05/18/21 22:22	FCW	FGS SEA

Client Sample ID: P14-S-43-5-10-2021 Lab Sample ID: 580-103094-52

Date Collected: 05/14/21 11:26 Date Received: 05/15/21 11:45

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Δnalveis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA	

Client Sample ID: P14-S-43-5-10-2021 Lab Sample ID: 580-103094-52

Date Collected: 05/14/21 11:26 Date Received: 05/15/21 11:45 Matrix: Solid

Percent Solids: 89.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356736	05/17/21 13:45	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 22:25	FCW	FGS SEA

Client Sample ID: P14-S-53-19-25-2021 Lab Sample ID: 580-103094-54

Date Received: 05/15/21 11:45

Date Collected: 05/14/21 13:26 **Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-53-19-25-2021

Date Collected: 05/14/21 13:26 Date Received: 05/15/21 11:45

Lab Sample ID: 580-103094-54

**Matrix: Solid** 

Matrix: Solid

Percent Solids: 80.7

Job ID: 580-103094-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 18:09	FCW	FGS SEA

Client Sample ID: P14-S-52-5-10-2021 Lab Sample ID: 580-103094-56

Date Collected: 05/14/21 13:16 Date Received: 05/15/21 11:45

Batch Dilution Batch Prepared Method Number or Analyzed Analyst **Prep Type** Type **Factor** Run Lab Total/NA 356764 05/17/21 18:26 CCH FGS SEA Analysis 2540G

Client Sample ID: P14-S-52-5-10-2021 Lab Sample ID: 580-103094-56

Date Collected: 05/14/21 13:16 **Matrix: Solid** Date Received: 05/15/21 11:45 Percent Solids: 89.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 18:51	FCW	FGS SEA

Client Sample ID: P14-S-45-5-10-2021

Lab Sample ID: 580-103094-61 Date Collected: 05/14/21 11:06 **Matrix: Solid** 

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client Sample ID: P14-S-45-5-10-2021 Lab Sample ID: 580-103094-61

Date Collected: 05/14/21 11:06 Matrix: Solid Date Received: 05/15/21 11:45 Percent Solids: 93.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 18:55	FCW	FGS SEA

Client Sample ID: P14-S-36-36-42-2021 Lab Sample ID: 580-103094-66

Date Collected: 05/14/21 15:18 Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Matrix: Solid

Job ID: 580-103094-1 Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-36-36-42-2021

Lab Sample ID: 580-103094-66 Date Collected: 05/14/21 15:18

**Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 87.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 18:59	FCW	FGS SEA

Lab Sample ID: 580-103094-67 Client Sample ID: P14-S-38-28-34-2021

Matrix: Solid Date Collected: 05/14/21 15:06

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client Sample ID: P14-S-38-28-34-2021 Lab Sample ID: 580-103094-67

Date Collected: 05/14/21 15:06 **Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 85.4

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 19:02	FCW	FGS SEA

Client Sample ID: P14-S-32-5-10-2021 Lab Sample ID: 580-103094-69

Date Collected: 05/14/21 13:41 **Matrix: Solid** 

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client Sample ID: P14-S-32-5-10-2021 Lab Sample ID: 580-103094-69

Date Collected: 05/14/21 13:41 Matrix: Solid

Date Received: 05/15/21 11:45 Percent Solids: 86.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 19:06	FCW	FGS SEA

Client Sample ID: P14-S-28-5-10-2021 Lab Sample ID: 580-103094-70

Date Collected: 05/14/21 13:51 **Matrix: Solid** Date Received: 05/15/21 11:45

ı		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	2540G			356764	05/17/21 18:26	CCH	FGS SEA

Job ID: 580-103094-1

Client: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-28-5-10-2021

Date Collected: 05/14/21 13:51 Date Received: 05/15/21 11:45 Lab Sample ID: 580-103094-70

Matrix: Solid

Percent Solids: 88.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 19:10	FCW	FGS SEA

Client Sample ID: P14-S-33-5-10-2021 Lab Sample ID: 580-103094-74

Date Collected: 05/14/21 14:01 Date Received: 05/15/21 11:45

**Prep Type** 

Total/NA

Batch

Type

Analysis

Method

2540G

Matrix: Solid

Batch Prepared Number or Analyzed Analyst Lab 05/17/21 18:26 CCH FGS SEA 356764

Client Sample ID: P14-S-33-5-10-2021 Lab Sample ID: 580-103094-74

Dilution

**Factor** 

Date Collected: 05/14/21 14:01 Date Received: 05/15/21 11:45

**Matrix: Solid** Percent Solids: 94.6

Dilution Batch **Batch** Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 356737 05/17/21 13:48 TMH FGS SEA Total/NA Analysis 6020B 10 356895 05/18/21 19:14 FCW **FGS SEA** 

Run

Client Sample ID: P14-S-37-36-42-2021 Lab Sample ID: 580-103094-79

Date Collected: 05/14/21 16:55 Date Received: 05/15/21 11:45

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356764	05/17/21 18:26	CCH	FGS SEA

Client Sample ID: P14-S-37-36-42-2021 Lab Sample ID: 580-103094-79

Date Collected: 05/14/21 16:55 Date Received: 05/15/21 11:45

Matrix: Solid Percent Solids: 82.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 19:18	FCW	FGS SEA

Client Sample ID: P14-S-34-5-10-2021 Lab Sample ID: 580-103094-83

Date Collected: 05/14/21 16:06 **Matrix: Solid** Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356764	05/17/21 18:26	CCH	FGS SEA

### **Lab Chronicle**

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-34-5-10-2021 Lab Sample ID: 580-103094-83

Date Collected: 05/14/21 16:06 **Matrix: Solid** Date Received: 05/15/21 11:45

Percent Solids: 86.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356737	05/17/21 13:48	TMH	FGS SEA
Total/NA	Analysis	6020B		10	356895	05/18/21 19:22	FCW	FGS SEA

#### **Laboratory References:**

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

## **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103094-1

Project/Site: Parcel 14 Soil Investigation

## **Laboratory: Eurofins FGS, Seattle**

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

Authority	Pre	ogram	Identification Number	Expiration Date
Washington	Sta	ate	C788	07-13-21
The following analytes	are included in this reno	ort but the laboratory is r	ant portified by the governing outhority	This list may include analytes for w
the agency does not o	•	ort, but the laboratory is i	not certified by the governing authority.	This list may include analytes for w
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the agency does not o	offer certification.	,	, , ,	This list may include analytes for w

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## Sample Summary

Client: Anchor QEA LLC

580-103094-52

580-103094-54

580-103094-56

580-103094-61

580-103094-66

580-103094-67

580-103094-69

580-103094-70

580-103094-74

580-103094-79

580-103094-83

Project/Site: Parcel 14 Soil Investigation

P14-S-43-5-10-2021

P14-S-53-19-25-2021

P14-S-52-5-10-2021

P14-S-45-5-10-2021

P14-S-36-36-42-2021

P14-S-38-28-34-2021

P14-S-32-5-10-2021

P14-S-28-5-10-2021

P14-S-33-5-10-2021

P14-S-37-36-42-2021

P14-S-34-5-10-2021

Lab Sample ID Client Sample ID Matrix Collected Received Asset ID 580-103094-1 P14-S-27-5-10-2021 Solid 05/14/21 16:26 05/15/21 11:45 580-103094-5 P14-S-26-5-10-2021 Solid 05/14/21 16:21 05/15/21 11:45 580-103094-9 P14-S-29-5-10-2021 Solid 05/14/21 16:16 05/15/21 11:45 580-103094-13 P14-S-30-5-10-2021 Solid 05/14/21 15:01 05/15/21 11:45 580-103094-14 P14-S-35-5-10-2021 Solid 05/14/21 16:06 05/15/21 11:45 Solid 580-103094-15 P14-S-31-48-54-2021 05/14/21 15:41 05/15/21 11:45 580-103094-22 P14-S-42-18-26-2021 Solid 05/15/21 11:45 05/14/21 11:51 Solid 580-103094-23 P14-S-39-5-10-2021 05/14/21 11:41 05/15/21 11:45 580-103094-24 P14-S-50-5-10-2021 Solid 05/14/21 10:36 05/15/21 11:45 Solid 580-103094-28 P14-S-47-26-32-2021 05/14/21 10:16 05/15/21 11:45 580-103094-34 P14-S-51-5-10-2021 Solid 05/14/21 09:31 05/15/21 11:45 580-103094-36 P14-S-46-26-36-2021 Solid 05/14/21 10:51 05/15/21 11:45 580-103094-40 P14-S-48-28-34-2021 Solid 05/14/21 10:16 05/15/21 11:45 P14-S-49-24-30-2021 Solid 05/14/21 10:31 05/15/21 11:45 580-103094-41 580-103094-45 P14-S-41-5-10-2021 Solid 05/14/21 12:11 05/15/21 11:45 580-103094-46 P14-S-40-5-10-2021 Solid 05/14/21 12:01 05/15/21 11:45 Solid 580-103094-49 P14-S-44-5-10-2021 Solid

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Job ID: 580-103094-1

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Client Information	Sampler:				vis, Nat	ithan	Α							racking N	lo(s):		58	DC No: 30-43410-	)-138£	35.1		
Client Contact: Cindy Fields	Phone:			E-Ma Nath	<sup>ail:</sup> than.Le	ewis@	⊉Eurc	ofins	et.co	en.		Sta	tate of C	Origin:				ge: age	1	of $\triangleleft$	<i>7</i>	
Company: Anchor QEA LLC			PWSID:			***************************************	-		A	Analys	sis F	(equ	ester	d			Job	b#:	-			
Address: 1201 3rd Ave Suite 2600	Due Date Request	ted:							T	T		T	T			(SALASI)	ende.	eservatio	in Cod			
Dity: Seattle	TAT Requested (d	lays):	11 -	7 -													₿.	- HCL - NaOH		M - Hexa	ne	
State, Zip: WA, 98101	Compliance Project	oct: A Yes	× 11	<u>H  </u>	4												D-	<ul> <li>Zn Acetate</li> <li>Nitric Acid</li> <li>NaHSO4</li> </ul>	d	O - AsNa P - Na20 Q - Na28	:O4S	
Phone:	PO#:	Ct. Dies.	2 170														F- G-	- MeOH - Amchlor		R - Na29 S - H250	S2O3 O4	
206-903-3394(Tel) Email:	200092-01.11 WO#:				2												H -	- Ascorbic A fce	Acid	T - TSP : U - Aceto	Dodecahy tone	/drate
fields@anchorqea.com Project Name:	Project #:	<u></u>															<b>≅</b> K-	DI Water EDTA EDA		V - MCA W - pH 4		
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Phone (253) 922-2310 Phone (425) 420-9210	16-			11 -1	PM:							10.		T-+-1/-	11-/	- 1 -			COC N					_
Client Information	Sampler:			Lev	vis, N	athan	Α								ng No(	5):			580-4	o: 3410-1:	3885	5.1		
Client Contact: Cindy Fields	Phone:			E-M Nat		.ewis(	@Euro	ofinse	et.con	n		St	ate of	Origin	<b>)</b> :				Page: Page	$\mathcal{A}$	)			
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Phone (253) 922-2310 Phone (425) 420-9210																				
Client Information	Sampler:	,			ab PM: _ewis, N	lathar	3 A					Carri	er Traci	king No(	(s):		COC No: 580-4341	0-138	85.1	
Client Contact: Cindy Fields	Phone:				-Mail: Nathan.	Lewis	@Eur	ofinse	t.con	1		State	of Orig	in:			Page:	?	of	
Company: Anchor QEA LLC			PWSID:						Aı	nalysi	s Red	ques	ted				Job#:		-	
Address: 1201 3rd Ave Suite 2600	Due Date Request	ed:															Preservati	ion Co		
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Phone: 206-903-3394(Tel)	PO #: 200092-01.11 Wo #:																G - Amchio		S - H2SO4	
Email: cfields@anchorqea.com	om															Į	I - Ice J - DI Wates K - EDTA	г	U - Aceton V - MCAA W - pH 4-5	
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Possible Hazard Identification  ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poisc	on B Unkno	wn □ <sub>R</sub>	adiological		١		e <b>Dist</b> Return				De as						ed longer to nive For	nan 1	montn) Months	
Deliverable Requested: I, II, III, IV, Other (specify)					s					Requir										
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Custody Seals Intact: Custody Seal No.: Δ Yes Δ No		anan sa	en de production	. 1. 1. 1. 1. 1	11 - 11	Coo	ler Tem	peratu	re(s) °	C and Oth	ner Ren	narks:	. 3	11.7.		7.1.1.1	Autoria (Autoria)	(A. M.)		

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Tacoma, WA 98424	Official Of C	-
Phone (253) 922-2310 Phone (425) 420-9210		

Client Information	Sampler:				ь РМ: wis, Nat	than A					C	Carrier	r Track	ing No	(s):			OC No: 80-43410-1	3885.1	
Client Contact:	Phone:			E-1	dail:					<u></u>	5	State c	of Origi	n:			P	age:	-d/	
Cindy Fields Company:			PWSID:	Na	than.Le	wis@i	curofin		···									age /	of 7	
Anchor QEA LLC						***		A	naly	sis F	Requ	uest	ed			<del></del>		<u> </u>	<del></del>	
Address: 1201 3rd Ave Suite 2600	Due Date Reques	ited:																reservation		
City: Seattle	TAT Requested (c	days):			11												E	A - HCL B - NaOH C - Zn Acetate	M - Hexa N - None O - AsNa	
State, Zip: WA, 98101	Compliance Proje	ect: A Yes	Δ No		41												E	- Nitric Acid - NaHSO4	P - Na20 Q - Na20	SO3
<sup>⊃</sup> hone: 206-903-3394(Tel)	PO#: 200092-01.11																	: - MeOH 3 - Amchlor 1 - Ascorbic Ac	R - Na25 S - H2S0 id T - TSP	
Email: fields@anchorgea.com	WO#:																1	- Ice - DI Water	U - Acete V - MCA	one A
Project Name:	Project #: 58016541																	- EDTA - EDA	W - pH 4 Z - other	
Parcel 14 Soil Investigation lite:	SSOW#:					anic	enic											ther:		
		Sample	Sample Type (C=comp,		id Filtered S.	6020B - Total Arse	6010D - TCLP Arsenic	Archive								92	Fotal Number o			
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Possible Hazard Identification  ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ F	Poison B Unkn	own 🗆 F	Radiologica	ı				o Clien					l By L			Arc			Monti	าร
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mpty Kit Relinquished by:		Date:			Time:		<del></del>	····	*********			Me	athod o	f Shipi	nent:					
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elinquished by:	Date/Time:			Company		Receiv	ed by:	<del></del>				·····		Date	/Time:				Company	
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Custody Seals Intact: Custody Seal No.:			医二甲基二苯甲基二二	to the second		Cooler	Tomose	ature(s)	Or and	1 Other	Demo	orke.		医二克耳	1 Table 1	100		The Arman San		

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Phone (253) 922-2310 Phone (425) 420-9210																					
Client Information	Sampler:			Lab ! Lew		athar	n A					Ci	arrier 7	racking	No(s)	:			COC No: 580-43410-138	85.1	
Client Contact:	Phone:			E-Ma	sil:			ofina	ot oo			St	ate of	Origin:					Page:	of $ otin  o$	······································
Cindy Fields Company:	<u></u>		PWSID:	ман	nars.L	_ewis	@Eur	oms											Page ob#:	<u>01</u> ()	
Anchor QEA LLC			<u> </u>		* Esse e	etaki	<del> </del>	<del></del>	A	naly	sis F	Requ	este	d	· · · · · ·	······	133		reservation Co	J	<del></del>
Address: 1201 3rd Ave Suite 2600	Due Date Reques	tea:			П														A - HCL	M - Hexan	
City: Seattle	TAT Requested (d	lays):			11													e e	3 - NaOH C - Zn Acetate	N - None O - AsNaC	
State, Zip:							İ											1	D - Nitric Acid E - NaHSO4	P - Na2O4 Q - Na2SO	is
WA, 98101 Phone:	Compliance Proje	ct: A Yes	A No	×	- 1													F	- MeOH	R - Na2S2	O3
206-903-3394(Tel)	200092-01.11				J.													۲	3 - Amchior 1 - Ascorbic Acid		odecahydrate
Email: cfields@anchorqea.com	WO#:				ă	3												J	- Ice I - DI Water	U - Aceton V - MCAA	
Project Name:	Project #: 58016541				톊	8													( - EDTA EDA	W - pH 4-5 Z - other (s	
Parcel 14 Soil Investigation Site:	\$\$0W#:				뻍.	ي اعْ	밀	i 2									Ī	<b>6</b> 0	ther:		
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			Sample	Matrix (w=water.	ĬŠ.		6010D - TCLP Arsenic	SPLP									1				
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Possible Hazard Identification  ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poist	5 <b>—</b>	. 🗆 -					<b>le Dis</b> , Returi				ay b∈	asse Disp	essec	lifsa Dula	mple 	s are i	retair ] Arca	ned	longer than 1	month) Months	•
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Custody Seals Intact: Custody Seal No.:						Coc	oler Ten	nperati	ure(s)	C and	Other	Remar	KS.	. 1	A Property	. 5		$\mathbb{N}^{\mathbb{N}}$		5 5 5 6 6	

Ver: 01/16/2019 5/19/2021

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Phone (253) 922-2310 Phone (425) 420-9210																						
Client Information	Sampler:				ab PM: .ewis,	Nath	an A						Ca	rner T	rackin	g No(s	i):			COC №: 580-43410-1388	35.1	
Client Contact: Cindy Fields	Phone:				-Mail: lathan	Lew	is@E	Eurofi	inset	.com	1		Sta	ate of	Origin:					Page: Page	of X	
Company:	<u></u>	······································	PWSID:				<u> </u>												_	Job#:		·····
Anchor QEA LLC	In					* 400548				An	alys	is R	equ	este	d			18		Preservation Cod	doe:	
Address: 1201 3rd Ave Suite 2600	Due Date Request										ĺ									A - HCL	M - Hexa	ine
City: Seattle	TAT Requested (d	lays):								ļ										B - NaOH C - Zn Acetate	N - None O - AsNa	
State, Zip:						Н				- 1										D - Nitric Acid	P - Na2O	
WA, 98101	Compliance Proje	ct: A Yes	ΔNo				- 1					Ì	-							E - NaHSO4 F - MeOH	Q - Na2S R - Na2S	
Phone: 206-903-3394(Tel)	PO#: 200092-01.11				٥															G - Amchior H - Ascorbic Acid	S - H2SO T - TSP 0	04 Dodecahydrate
Email:	WO#:				7															I - Ice J - DI Water	U - Aceto V - MCAA	
cfields@anchorqea.com	Desired #			<del>,</del>		2											1 1			K - EDTA	W - pH 4-	l-5
Project Name: Parcel 14 Soil Investigation	Project #: 58016541				E	9				- 1										L - EDA	Z - other	(specify)
Site:	SSOW#:				٣	٤	일	윤	皇										§	Other:		
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	on B Unkno	own R	adiological					turn 1					Disp	osal l	3y La	b		- Arc	hiv	e For	Month	18
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Custody Seals Intact: Custody Seal No.: Δ Yes Δ No			11. N. 1	y Clivit C		c	ooler '	Tempe	eratur	e(s) °(	C and (	Other I	Remark	s.			M	HA A			MANA)	<u>ANDAN</u>

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Phone (25)	3) 922-2310 Phone	(425) 420-9210	

Client Information	Sampler:		******************		b PM: ewis, Na	than	A					Cami	er Traci	dng No	(s):			COC No: 580-43410-1388	35.1
Client Contact: Cindy Fields	Phone:			E-I	Mail: athan.Le			finset	l.com			State	of Orig	in:				Page:	of C
Company:	L		PWSID:	11.00			>			alysi	e Ra	nues	ted					Job #:	<u> </u>
Anchor QEA LLC	Due Date Reques	ted:	<u> </u>				Τ	Π	AIR	ary 31	T	4063	Leu		Τ	T		Preservation Co	des:
I201 3rd Ave Suite 2600 Dity:	TAT Requested (c	lays):			-11													A - HCL B - NaOH	M - Hexane N - None
Seattle State, Zip:																		C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S
VA, 98101	Compliance Proje	ct: A Yes	Δ No		<b>1</b> 1													E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
hone: 06-903-3394(Tel)	PO#: 200092-01.11			_	⅃ℴӀ													G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
mail: fields@anchorqea.com	WO#:				2 3													I - Ice J - DI Water	U - Acetone V - MCAA
roject Name: Parcel 14 Soil Investigation	Project #: 58016541																alne	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
arce 14 Soil investigation	SSOW#:				၂립	일	enic	Arsenic										Other:	
			Sample Type	Matrix (w⇒water, s∞solid,	Filtered St	3 - Total Arse	TCLP Ars	d Sp. Lp	e A								Total Number of		
ample Identification	Sample Date	Sample Time	(C=comp, G≕grab)	O≔waste/oli, BT≈Tissue, A×A		6020B -	6010D -	- G0109	Archive						<u>L</u>		貫	Special in	structions/Note:
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ossible Hazard Identification				<u> </u>											es ar			l longer than 1	
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Phone (253) 922-2310 Phone (425) 420-9210		<del></del>			201.4															COC No:		<del></del>
Client Information	Sampler:				PM: wis, N	Vatha	n A						Came	er irad	cking I	NO(S):				580-43410-138	85.1	
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City: Seattle	TAT Requested (c	tays):																		B - NaOH C - Zn Acetate	N - None O - AsNaO2	2
State, Zip: WA, 98101	Compliance Proje	ct: A Yes	Δ No																	D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O	3
Phone: 206-903-3394(Tel)	PO#: 200092-01.11																			G - Amchior H - Ascorbic Acid	S - H2SO4 T - TSP Dod	
Email: cfields@anchorqea.com	WO#:				2	3														I - Ice J - DI Water	U - Acetone V - MCAA	
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Recking: Rich | TedEx:

Cust. Seal: Ves No | Lab Cour:

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Cust. Seal: Ves No | Lab Cour:

Blue Ice (Welded) Dry None | Color |

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Cust. Seal: Ves No | Lab Cour:

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Therm. ID: LA B. Cor: 5. 7. Unc:\_

Lab Cour:

Cust. Seal: Yes No Eliue Ice, Kethory, None

3.7° (Inc. 3.9°

Therm. ID: 429 Cor.

Cooler Dsc:\_\_\_\_

FedEx:

Client: Anchor QEA LLC Job Number: 580-103094-1

Login Number: 103094 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Vallelunga, Diana L

Creator. Vallelunga, Diana 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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

**Eurofins FGS, Seattle** 

# **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103094-2

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave **Suite 2600** Seattle, Washington 98101

Attn: Cindy Fields

# M. Slains Walker

Authorized for release by: 5/25/2021 12:52:02 PM Elaine Walker, Project Manager II (253)248-4972 m.elaine.walker@eurofinset.com

Designee for

Nathan Lewis, Project Manager I (253)922-2310 Nathan.Lewis@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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103094-2

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	
Client Sample Results	5
QC Sample Results	7
Chronicle	8
Certification Summary	9
Sample Summary	10
Chain of Custody	11
Receipt Checklists	20

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#### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-2

Laboratory: Eurofins FGS, Seattle

**Narrative** 

Job Narrative 580-103094-2

#### Comments

This report is for the addition of 200.8 Zinc to sample 580-103094-44 (P14-S-41-30-36-2021), added at 4:19 on 5/19/2021 on a 3-day TAT. As the request was made past 3:00PM, the start date is 5/20/2021.

#### Receipt

The samples were received on 5/15/2021 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.7° C, 5.6° C, 5.7° C and 12.4° C.

#### 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.

Job ID: 580-103094-2

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103094-2

Project/Site: Parcel 14 Soil Investigation

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
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 Sample Results**

Client: Anchor QEA LLC Job ID: 580-103094-2

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 12:12 Lab Sample 1D. 560-103094-44

Date Received: 05/15/21 11:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82.7		0.1		%			05/23/21 19:27	1
Percent Moisture	17.3		0.1		%			05/23/21 19:27	1

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## **Client Sample Results**

Client: Anchor QEA LLC Job ID: 580-103094-2

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-41-30-36-2021 Lab Sample ID: 580-103094-44

Date Collected: 05/14/21 12:12 **Matrix: Solid** 

Date Received: 05/15/21 11:45 Percent Solids: 82.7

Method: 6020B - Metals (ICP/M	IS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.56		mg/Kg	<u></u>	05/20/21 19:24	05/21/21 15:46	10

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-2

Prep Type: Total/NA

**Prep Batch: 357050** 

Prep Type: Total/NA **Prep Batch: 357050** 

### Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-357050/22-A

**Matrix: Solid** 

Analysis Batch: 357219

MB MB

Sample Sample

Sample Sample

Sample Sample

Sample Sample

3.0

Result Qualifier

3.0

Result Qualifier

3.0

Result Qualifier

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.25 05/20/21 19:24 05/21/21 15:39 Arsenic ND mg/Kg

Lab Sample ID: LCS 580-357050/23-A

**Matrix: Solid** 

**Analysis Batch: 357219** 

Analyte

Spike Added 50.0

Spike

Added

50.0

Spike

Added

55.7

Spike

Added

57.1

50.8

LCS LCS

LCSD LCSD

MS MS

MSD MSD

DU DU

DU DU

83.4

16.6

Result Qualifier

2.92

Result Qualifier

57.8

Result Qualifier

56.3

Result Qualifier

52.8

Result Qualifier

Result Qualifier

Unit mg/Kg

Unit

Unit

Unit

Unit

%

%

mg/Kg

mg/Kg

mg/Kg

D %Rec 102

%Rec

106

80 - 120

**Client Sample ID: Lab Control Sample** 

%Rec. Limits

Client Sample ID: Method Blank

Lab Sample ID: LCSD 580-357050/24-A

**Matrix: Solid** 

Arsenic

**Analysis Batch: 357219** 

**Analyte** 

Arsenic

Lab Sample ID: 580-103094-44 MS

**Matrix: Solid** 

**Matrix: Solid** 

Arsenic

**Analysis Batch: 357219** 

Analyte

Lab Sample ID: 580-103094-44 MSD

Analysis Batch: 357219

Analyte

Arsenic

Lab Sample ID: 580-103094-44 DU **Matrix: Solid** 

**Analysis Batch: 357219** 

Analyte

Arsenic Method: 2540G - SM 2540G

Lab Sample ID: 580-103094-44 DU

Matrix: Solid

**Analysis Batch: 357208** 

Analyte Result Qualifier 82.7 Percent Solids

Percent Moisture 17.3 Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

**Prep Batch: 357050** 

%Rec. **RPD** Limits RPD Limit

Client Sample ID: P14-S-41-30-36-2021

Prep Type: Total/NA

**Prep Batch: 357050** 

%Rec.

80 - 120

Unit %Rec Limits 80 - 120 mg/Kg

%Rec

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D

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Client Sample ID: P14-S-41-30-36-2021

Prep Type: Total/NA

**Prep Batch: 357050** %Rec. **RPD** 

Limits RPD Limit 80 - 120

Client Sample ID: P14-S-41-30-36-2021

Prep Type: Total/NA

**Prep Batch: 357050** 

**RPD RPD** Limit

20

Client Sample ID: P14-S-41-30-36-2021

Prep Type: Total/NA

**RPD RPD** Limit 0.9 20

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Eurofins FGS, Seattle

#### **Lab Chronicle**

Client: Anchor QEA LLC Job ID: 580-103094-2

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-41-30-36-2021

Lab Sample ID: 580-103094-44 Date Collected: 05/14/21 12:12 **Matrix: Solid** 

Date Received: 05/15/21 11:45

Batch Batch Dilution Batch Prepared **Prep Type** Method **Factor** Number or Analyzed Type Run Analyst Lab Total/NA Analysis 2540G 357208 05/23/21 19:27 CCH FGS SEA

Client Sample ID: P14-S-41-30-36-2021 Lab Sample ID: 580-103094-44

Date Collected: 05/14/21 12:12 **Matrix: Solid** Date Received: 05/15/21 11:45 Percent Solids: 82.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			357050	05/20/21 19:24	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357219	05/21/21 15:46	FCW	FGS SEA

**Laboratory References:** 

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

5/25/2021

## **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103094-2

Project/Site: Parcel 14 Soil Investigation

## **Laboratory: Eurofins FGS, Seattle**

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	C788	07-13-21
The following analytes	s are included in this reno	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	•	it, but the laberatory let	iot derailed by the governing additionty.	This list may molade analytes for which
,	•	Matrix	Analyte	This list may morade analytes for while
the agency does not o	offer certification.	•	, , ,	This list may include analytes for while

# **Sample Summary**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-103094-44	P14-S-41-30-36-2021	Solid	05/14/21 12:12	05/15/21 11:45	

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5755 8th S ast Tacoma, WA 98424

# Chain of Custod, .ecord

🐉 eurofins



Ver: 01/16/2019

Priorie (200) 922-2010 Priorie (420) 420-9210	Sampler:				PM:			-				Ca	rrier Tr	acking No	o(s):		COC N			<del>,,</del>	
Client Information Client Contact:	Phone:				wis, N	lathan	<u> </u>	<del></del>				Str	ate of Or	rinin:			580-4 Page:	3410-138	385.1		
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City:	TAT Requested (day	ays):		- R Marijana	11												A - HC B - Na(		M - H N - N	Hexane None	
Seattle State, Zip:		DAY	X_1	AL_													C - Zn D - Nitr	Acetate ric Acid		AsNaO2 Va2O4S	
WA, 98101	Compliance Project	ct: A Yes A	Δ No		]]												E - Nai F - Med	HSO4	Q-N	Na2SO3 Na2S2O3	
Phone: 206-903-3394(Tel)	PO#: 200092-01.11						'						1				G - Am		S - H	12504 SP Dodecahy	vdrate
Email: cfields@anchorgea.com	WO#:				ᆌ	-	'										I - Ice J - DI V			cetone	,
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Client Information						s, Nathan A									ng No(	s):			580-43410-13885.1					
Client Contact: Cindy Fields	Phone: E-Mail Nath					: an.Lewis@Eurofinset.com								State of Origin:						$\mathcal{A}$	)			
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Prione (253) 922-2310 Prione (425) 420-9210	Sampler:	<del> </del>			ab PM:							Car	rrier Tra	acking	No(s):			COC No:			
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Cindy Fields						nan.Lewis@Eurofinset.com												Page 5	of		
Company: Anchor QEA LLC			PWSID:						Ar	nalys	is R	eque	sted	ı				Job #:			
Address: 1201 3rd Ave Suite 2600	Due Date Reques	ted:				7	Π					T						Preservation C	odes:		
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Phone: 206-903-3394(Tel)	PO #: 200092-01.11																	G - Amchlor H - Ascorbic Acid	S - H2SO4		
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Phone (253) 922-2310 Phone (425) 420-9210 Sampler: Carrier Tracking No(s): 580-43410-13885.1 Lewis, Nathan A Client Information E-Mail State of Origin: Client Contact: Phone Nathan.Lewis@Eurofinset.com Page Cindy Fields PW\$ID: Сотрапу **Analysis Requested** Anchor QEA LLC Preservation Codes: Due Date Requested: Address: 1201 3rd Ave Suite 2600 A - HCL M - Hexane TAT Requested (days): B - NaOH N - None Seattle Q - AsNaO2 C - Zn Acetate D - Nitric Acid P - Na2O4S State, Zip: E - NaHSO4 Q - Na2SO3 Compliance Project: A Yes A No WA, 98101 F - MeOH R - Na2S2O3 Phone: G - Amchlor S - H2SO4 200092-01.11 206-903-3394(Tel) H - Ascorbic Acid T - TSP Dodecahydrate U - Acetone WQ#: 1 - Ice V - MCAA J - DI Water cfields@anchorgea.com K - EDTA W - pH 4-5 Project #: Project Name: L - EDA Z - other (specify) 58016541 Parcel 14 Soil Investigation SSOW#: Other: 8010D - TCLP Arsenic 6010D - SPLP Arsenic Matrix Sample (w≃water, Type S⇔solid. Sample (C=comp. Special Instructions/Note: Sample Date Time G=grab) | BT=Tissue, A=Ali Sample Identification Preservation Code: N N -2021 5/14/21 s 5/14/21 s - 7 -2021 05 S 5/14/21 1036 s -2021 5/14/21 HOLD s 5/14/21 - ( **/**(∆-2021 s 5/14/21 s 5/14/21 S 5/14/21 s 5/14/21 s 5/14/21 P14-S-41 -20-36-2021 5/14/21 Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification □ Non-Hazard □ Flammable □ Skin Irritant □ Poison B □ Unknown □ Radiological Disposal By Lab Archive For Return To Client Months Special Instructions/QC Requirements: Deliverable Requested: I, II, III, IV, Other (specify) Method of Shipment: Date: Time: Empty Kit Relinquished by: Relinquished by: Relinquished by: Date/Time: Company Company Received by: Relinquished by: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

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Tacoma, WA 98424 Phone (253) 922-2310 Phone (425) 420-9210 Carrier Tracking No(s): Sampler: Lewis, Nathan A 580-43410-13885.1 Client Information Phone: State of Origin: Client Contact: Nathan.Lewis@Eurofinset.com Cindy Fields WSID: Сотралу: **Analysis Requested** Anchor QEA LLC Preservation Codes: Address: Due Date Requested: 1201 3rd Ave Suite 2600 A - HCL M - Hexane TAT Requested (days): City: B - NaOH N - None O - AsNaO2 Seattle C - Zn Acetate D - Nitric Acid P - Na2O4S State, Zip: Q - Na2SO3 E - NaHSO4 Compliance Project: A Yes A No WA, 98101 F - MeOH R - Na2S2O3 Phone: G - Amchior S - H2SO4 206-903-3394(Tel) 200092-01.11 T - TSP Dodecahydrate H - Ascorbic Acid WO#: U - Acetone J - DI Water V - MCAA cfields@anchorqea.com W - pH 4-5 K - EDTA Project Name: Project #: L - EDA Z - other (specify) 58016541 Parcel 14 Soil Investigation Other: SSOW#: - TCLP Arsenic 6010D - SPLP Arsenic Matrix Sample (W=water, Type 60100 Sample (C=comp. Special Instructions/Note: Sample Date Time G≕grab) BT#Thsim, A=Ai Sample Identification Preservation Code: N Ν 5 - (()-2021 5/14/21 S P14-S-( s 5/14/21 120 S -2021 5/14/21 s -2021 5/14/21 s ~2021 5/14/21 5/14/21 s -2021 S 5/14/21 s 5/14/21 S 5/14/21 5/14/21 5/14/21 Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification Return To Client Disposal By Lab Archive For Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological Months Deliverable Requested: I, II, III, IV, Other (specify) Special Instructions/QC Requirements: Method of Shipment: Time: Empty Kit Relinquished by: Date: Received by; Company Relinquished by: Received by Date/Time Company Received by: Company Relinguished by: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

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Client Information	Sampler:				ab PM: ewis, N	t: , Nathan A					Ca	arrier T	rackin	g No(s	i):			COC №: 580-43410-1388	35.1		
Client Contact: Cindy Fields	Phone:				Mail: athan.	Lewis	s@Eu	rofins	et.co	m		St	State of Origin:					Page:	of S		
Company:			PWSID:				<u> </u>		Δ	naly	eie F	enu.	este	.d				J	lob#:		
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Ver: 01/16/2019 5/25/2021

Page 17 of 20

5755 8th S

Tacoma, WA 98424

# Chain of Custod, .ecord

🔅 eurofins



Phone (253) 922-2310 Phone (425) 420-9210																			<del>,</del>	
Client Information	L L					s, Nathan A					l		cking N	io(s):			COC No: 580-43410-138	85.1		
Client Contact: Cindy Fields	Phone:			E-M Nat		_ewis(	@Euro	ofinse	et.con	n		State	of Orig	gin:				Page: Page	of 🐰	
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1201 3rd Ave Suite 2600															- 1			A - HCL	M - Hexane	
City: Seattle	TAT Requested (d	ays):																B - NaOH C - Zn Acetate	N - None O - AsNaO2	
State, Zip: WA, 98101	Compliance Project	ict: ∆ Yes	Δ No		11													D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4S Q - Na2SO3 R - Na2S2O3	
Phone: 206-903-3394(Tel)	PO #: 200092-01.11																	G + Amchlor H - Ascorbic Acid I - Ice	S - H2SO4 T - TSP Dodecah U - Acetone	nydrate
Email: cfields@anchorqea.com	WO#:				5	Ξ											2	J - DI Water K - EDTA	V - MCAA W - pH 4-5	
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Lab Cour:

Cust. Seal: Yes No Blue Ice, WEDDry, None

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Cooler Dsc:\_

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Therm. ID: LA B. Cor: 5. 7. Unc:\_

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Cust. Seal: Yes No K Blue Ice, Wet, Dry, None

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Cooler Dsc:\_\_

Cooler Dsc.\_\_\_ Packing:\_

FedEx:

Client: Anchor QEA LLC Job Number: 580-103094-2

Login Number: 103094 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Vallelunga, Diana L

Creator: Vallelunga, Diana 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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

**Eurofins FGS, Seattle** 



# **Environment Testing America**

# **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103094-3

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave Suite 2600 Seattle, Washington 98101

Attn: Cindy Fields

Authorized for release by: 6/8/2021 3:56:24 PM

Nathan Lewis, Project Manager I

(253)922-2310

Nathan.Lewis@Eurofinset.com

····· LINKS ·····

Review your project results through

**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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103094-3

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Client Sample Results	5
QC Sample Results	3
Chronicle	7
Certification Summary	3
Sample Summary	9
Chain of Custody	10
Receipt Checklists	19

### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-3

Laboratory: Eurofins FGS, Seattle

**Narrative** 

Job Narrative 580-103094-3

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/15/2021 11:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 3.7° C, 5.6° C, 5.7° C and 12.4° C.

### **Receipt Exceptions**

The following sample(s) was received at the laboratory outside the required temperature criteria: Cooler #2 was out of temp. at12.4°C.

### 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.

Job ID: 580-103094-3

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103094-3

Project/Site: Parcel 14 Soil Investigation

### Glossary

MDL

MPN

MQL NC

ND

NEG POS

PQL

**PRES** 

QC

RER

RPD TEF

**TEQ** 

**TNTC** 

RL

ML

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

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

Not Calculated

Negative / Absent

Positive / Present

Presumptive

**Quality Control** 

**Practical Quantitation Limit** 

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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)

Client: Anchor QEA LLC Job ID: 580-103094-3

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/14/21 12:11 Lab Sample 1D. 500-103094-45

Date Received: 05/15/21 11:45

Method: 6010D - Metals (ICP) -	ICLP						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	0.060	mg/L		06/04/21 12:32	06/07/21 23:40	1

Method: 6010D - Metals (ICP) - SPLP West												
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Arsenic	ND		0.060		mg/L		06/04/21 12:32	06/07/21 23:37	1			

10

### QC Sample Results

Client: Anchor QEA LLC Job ID: 580-103094-3

Project/Site: Parcel 14 Soil Investigation

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-358332/14-A Client Sample ID: Method Blank

**Matrix: Solid** 

Analysis Batch: 358569

MB MB

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 06/04/21 12:32 06/07/21 22:55 Arsenic ND 0.060 mg/L

Lab Sample ID: MB 580-358332/15-A

**Matrix: Solid** 

**Analysis Batch: 358569** 

MB MB

Analyte Result Qualifier RL **MDL** Unit **Prepared** Analyzed 0.060 06/04/21 12:32 06/07/21 22:51 Arsenic ND mg/L

Lab Sample ID: LCS 580-358332/16-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 358569** 

Spike LCS LCS %Rec. Added Result Qualifier Limits Analyte Unit %Rec Arsenic 1.00 1.02 80 - 120 mg/L

Lab Sample ID: LCSD 580-358332/17-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 358569** 

Spike LCSD LCSD %Rec. **RPD** Added Analyte Result Qualifier Unit D %Rec Limits RPD Limit Arsenic 1.00 1.02 102 80 - 120 mg/L

Eurofins FGS, Seattle

6/8/2021

Prep Type: Total/NA

**Prep Batch: 358332** 

Prep Type: Total/NA

**Prep Batch: 358332** 

**Prep Batch: 358332** 

**Prep Batch: 358332** 

**Client Sample ID: Method Blank** 

### **Lab Chronicle**

Client: Anchor QEA LLC Job ID: 580-103094-3

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-41-5-10-2021

Lab Sample ID: 580-103094-45 Date Collected: 05/14/21 12:11

**Matrix: Solid** 

Date Received: 05/15/21 11:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
SPLP West	Leach	1312			358177	06/03/21 09:43	JLS	FGS SEA
SPLP West	Prep	3010A			358332	06/04/21 12:32	JLS	FGS SEA
SPLP West	Analysis	6010D		1	358569	06/07/21 23:37	TMH	FGS SEA
TCLP	Leach	1311			358165	06/03/21 09:19	JLS	FGS SEA
TCLP	Prep	3010A			358332	06/04/21 12:32	JLS	FGS SEA
TCLP	Analysis	6010D		1	358569	06/07/21 23:40	TMH	FGS SEA

### **Laboratory References:**

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

# **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103094-3

Project/Site: Parcel 14 Soil Investigation

### **Laboratory: Eurofins FGS, Seattle**

The accreditations/certifications listed below are applicable to this report.

Authority	Program	<b>Identification Number</b>	<b>Expiration Date</b>
Washington	State	C788	07-13-21

3

5

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# **Sample Summary**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103094-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-103094-45	P14-S-41-5-10-2021	Solid	05/14/21 12:11	05/15/21 11:45	

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5755 8th S Tacoma, WA 98424 Chain of Custod, .ecord

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Phone (253) 922-2310 Phone (425) 420-9210

														·						
Client Information	Sampler:				b PM: wis, Na	athan	Α				- 1	Carrier Tr	acking N	D(S):		580-	No: -43410-	1388	5.1	
Client Contact:	Phone:			E-I	Mail:							State of C	rigin:		<del></del>	Page		ì	0	
Cindy Fields				N	than.L	.ewis(	②Euro	finse	t.com							Pag			of S	
Company: Anchor QEA LLC			PWSID:						An	alysis	Req	uestec	ı			Job #	t:	•		
Address: 1201 3rd Ave Suite 2600	Due Date Reques	sted:															ervation	Code		
Dity:	TAT Requested (	days):		- R toni	71											A-H B-N			M - Hexane N - None	
Seattle State, Zip:		SDA	X T	A													'n Acetate litric Acid	)	O - AsNaO2 P - Na2O4S	
WA. 98101	Compliance Proj	ect: A Yes	Δ No	· · · · · · · · · · · · · · · · · · ·	71											E-N	aHSO4		Q - Na2SO3	
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fields@anchorqea.com					_ <u> </u>												Water		V - MCAA W - pH 4-5	
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Ver: 01/16/2019

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Phone (253) 922-2310 Phone (425) 420-9210																					
Client Information	Sampler:				PM: wis, N	lathan	ı A					Carr	rier Tra	cking	No(s):	:			COC No: 580-43410-1388	35.1	
Client Contact: Cindy Fields	Phone:			E-M Nat		Lewis	@Euro	ofinse	et.con	n		State	e of Or	rigin:			***************************************		Page: Q	of $ abla$	
Company: Anchor QEA LLC	<u></u>	•	PWSID:		Τ		-		Aı	nalysi	is Re	que	sted	 J					Job #:		
Address: 1201 3rd Ave Suite 2600	Due Date Request	ed:	<u> </u>				T	T		$\prod$	T	Ť	П		П				Preservation Cor		
City: Seattle	TAT Requested (d	ays):																	A - HCL B - NaOH C - Zn Acetate	M - Hexar N - None O - AsNa	O2
State, Zip: WA, 98101	Compliance Projec	ct: ∆ Yes	Δ No		11														D - Nitric Acid E - NaHSO4 F - MeOH	P - Na2O4 Q - Na2S0 R - Na2S2	O3
Phone: 206-903-3394(Tel)	PO#: 200092-01.11				]8														G - Amchior H - Ascorbic Acid	S - H2SO4 T - TSP D	)4 Dodecahydrate
Email: cfields@anchorqea.com	WO#:				N IO	2													I - Ice J - DI Water K - EDTA	U - Acetor V - MCAA W - pH 4-9	١.
Project Name: Parcel 14 Soil Investigation	Project #: 58016541					8											ŀ	1	L - EDA	Z - other (	
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Tacoma, WA 98424
Phone (253) 922-2310 Phone (425) 420-9210

Client Information	Sampler:			L	ab PM: ewis, Nat	han A					Ca	irrier T	racking	No(s)				DC No: 30-43410-	1388	5.1
Client Contact: Cindy Fields	Phone:				Mail: athan.Le	wis@E	urofins	set.con	n		Sta	ate of (	Origin:					ge: ->		or
Company: Anchor QEA LLC			PWSID:							sis R	en:	sete.	d.					o#:		<u> </u>
Address:	Due Date Request	ed:	<u> </u>						laiy:	315 N	reque	7316	<u>.</u>				Pr	eservation	Code	es:
1201 3rd Ave Suite 2600	TAT Paguastad (d	A																- HCL		M - Hexane
Dity: Seattle	TAT Requested (d	ays):																- NaOH - Zn Acetate		N - None O - AsNaO2
State, Zip: NA, 98101	Compliance Proje	ct: A Yes	Λ No		41													- Nitric Acid - NaHSO4		P - Na2O4S Q - Na2SO3
Phone:	PO#:				<b>1</b> [													MeOH - Amchior		R - Na2S2O3 S - H2SO4
206-903-3394(Tel) Email:	200092-01.11 Wo#:				<b>⊣</b> ≨													- Ascorbic Ad	cid	T - TSP Dodecahydrate U - Acetone
fields@anchorqea.com					_ું ફુ												J -	DI Water EDTA		V - MCAA W - pH 4-5
Project Name: Parcel 14 Soil Investigation	Project #: 58016541				۽ اع											1		EDA		Z - other (specify)
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Phone (253) 922-2310 Phone (425) 420-9210	-				2014								16	<b></b> .		N(-7-)				COC No:		
Client Information	Sampler:			Lev	PM: vis, N	latha	n A								acking	NO(S)	1;			580-43410-1388	5.1	
Client Contact: Cindy Fields	Phone:			E-M Nat	ail: than.L	_ewis	s@Eu	ırofin	set.	com			Stat	e of C	rigin:					Page: Page	of 4	
Company:			PWSID:		T						alysis									Job#: (		
Anchor QEA LLC Address:	Due Date Request	ed:	<u> </u>					- T		MIIC	ilysi:	T	que	T	<del>'</del>	т-				Preservation Cod	es:	
1201 3rd Ave Suite 2600	Due Date Request				┚┨															A - HCL	M - Hexane	
City:	TAT Requested (d	ays):			11															B - NaOH	N - None	
Seattle State, Zip:	4																			C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S	
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Tacoma, WA 98424 Phone (253) 922-2310 Phone (425) 420-9210 Carrier Tracking No(s): Sampler: Lewis, Nathan A 580-43410-13885.1 Client Information Phone: E-Mail State of Origin: Client Contact: Nathan.Lewis@Eurofinset.com Cindy Fields WSID: Сотралу: **Analysis Requested** Anchor QEA LLC Preservation Codes: Address: Due Date Requested: 1201 3rd Ave Suite 2600 A - HCL M - Hexane TAT Requested (days): City: B - NaOH N - None O - AsNaO2 Seattle C - Zn Acetate D - Nitric Acid P - Na2O4S State, Zip: Q - Na2SO3 E - NaHSO4 Compliance Project: A Yes A No WA, 98101 F - MeOH R - Na2S2O3 Phone: G - Amchior S - H2SO4 200092-01.11 206-903-3394(Tel) T - TSP Dodecahydrate H - Ascorbic Acid WO#: U - Acetone J - DI Water V - MCAA cfields@anchorqea.com W - pH 4-5 K - EDTA Project Name: Project #: L - EDA Z - other (specify) 58016541 Parcel 14 Soil Investigation Other: SSOW#: - TCLP Arsenic 6010D - SPLP Arsenic Matrix Sample (W=water, Type 60100 (C=comp. Sample Special Instructions/Note: Sample Date Time G≕grab) BT#Thsim, A=Ai Sample Identification Preservation Code: N N 5 - (()-2021 5/14/21 S P14-S-( s 5/14/21 120 S -2021 5/14/21 s -2021 5/14/21 s ~2021 5/14/21 5/14/21 s -2021 S 5/14/21 s 5/14/21 S 5/14/21 5/14/21 5/14/21 S Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Possible Hazard Identification Archive For Return To Client Disposal By Lab Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological Deliverable Requested: I, II, III, IV, Other (specify) Special Instructions/QC Requirements: Method of Shipment: Time: Empty Kit Relinquished by: Date: Received by; Company Relinquished by: Date/Time Company Received by: Company Relinguished by: Custody Seals Intact: Custody Seal No.: Cooler Temperature(s) °C and Other Remarks:

Page 14 of 19

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Phone (253) 922-2310 Phone (425) 420-9210	Sampler:			Lab								ľ	Carrier	Trac	king N	No(s):				COC No:			
Client Information	Phone:			L.ew E-Ma	/is, Na	than	A					- 5	itate o	of Oric	oin:					580-43410-138 Page:	35.1	7	
Client Contact: Cindy Fields	Fliotie.				han.Le	ewis@	)Euro	ofinse	et.con	n		<u>   Ľ</u>	nate o	/	,				ſ	Page (/)	of Y	<u> </u>	
Company: Anchor QEA LLC			PWSID:						Ar	naly	sis f	Requ	ıest	ed						lob#:			
Address: 1201 3rd Ave Suite 2600	Due Date Request	ted:																Constitution of the		reservation Co			
City: Seattle	TAT Requested (d	lays):	· · · · · · · · · · · · · · · · · · ·																	A - HCL B - NaOH C - Zn Acetate	M - He N - No O - As	ne	
State, Zip: WA, 98101	Compliance Proje	ct: A Yes	Δ No		11															D - Nitric Acid E - NaHSO4	P - Na Q - Na	2803	
Phone: 206-903-3394(Tel)	PO#: 200092-01.11				Ш															F - MeOH G - Amchlor H - Ascorbic Acid	S - H2	i2S2O3 ISO4 P Dodecal	hydrate
Email: cfields@anchorqea.com	WO#:				$\left \frac{2}{5}\right _{5}$										l				1	- Ice I - DI Water	U - Ace V - MC	etone CAA	,
Project Name: Parcel 14 Soil Investigation	Project #: 58016541			······································									l							C - EDTA EDA	W - pH Z - oth	1 4-5 er (specify	1)
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Ver: 01/16/2019 6/8/2021

5755 8th S ast Tacoma, WA 98424

# Chain of Custod, .ecord

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En nt Testing

Phone (253) 922-2310 Phone (425) 420-9210																				
Client Information	Sampler:			Į.	ab PM: .ewis, N	Vatha	n A							acking (	Vo(s):			COC No: 580-43410-1388	35.1	
Client Contact: Cindy Fields	Phone:				-Mail: Iathan.l	Lewis	@Eur	ofinse	et.co	m		Sta	ate of C	rigin:				Page:	of $ otin  o$	
Company: Anchor QEA LLC			PWSID:						A	nalys	is R	eque	estec	i				Job #:		
Address: 1201 3rd Ave Suite 2600	Due Date Request	ed:						Τ	Τ	П	T							Preservation Cod	les:	
City:	TAT Requested (d	ays):			71													A - HCL B - NaOH	M - Hexane N - None	
Seattle State, Zip:																		C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S	
WA, 98101 Phone:	Compliance Project	t: A Yes	∆ No		_													E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3 S - H2SO4	
206-903-3394(Tel)	200092-01.11				<u></u> g													G - Amchlor H - Ascorbic Acid I - Ice	T - TSP Dodecahy U - Acetone	/drate
Email: cfields@anchorqea.com	WO #:					3											e	J - DI Water K - EDTA	V - MCAA W - pH 4-5	
Project Name: Parcel 14 Soil Investigation	Project #: 58016541				Ž	5			Ì									L - EDA	Z - other (specify)	
Site:	SSOW#:				ͳ	퇽.	enic	Arsenic			1						夏	Other:		
			Sample	Matrix	၂회	[ ]	TCLP Arsenic	P Ars					ĺ				ber			
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Deliverable Requested: I, II, III, IV, Other (specify)	on B Unkno	own R	adiological		9					r C Requ			JSAI D	y Lau			tr Crim	V8 / O/	Worters	
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3/2021

Ver: 01/16/2019

5755 8th S Tacoma, WA 98424

# Chain of Custod, .ecord

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City:	TAT Requested (da	ays):			11														- HCL - NaOH		M - Hexa N - None		
Seattle State, Zip:					П														- Zn Acetate - Nitric Acid		O - AsNa P - Na20		
WA, 98101	Compliance Projec	ct: ∆ Yes	A No		11														- NaHSO4 - MeOH		Q - Na29 R - Na29		
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Therm. ID: LRS. Cor.; [2,14° Unc.] 2,2° Cooler Dsc.

Packing: Fs. th FedEx:

Cust. Seal: Ves. No. Lab Cour.:

Blue Ice Wei, Dry. None Other: Licex.

Therm. ID: Lls. Cor.; 5.6° Unc. 5.4° Cooler Dsc.

Cooler Dsc.

Packing: Lab Cour.:

Cust. Seal: Ves. No. Lab Cour.:

Blue Ice Mei, Dry. None Other: Licex.

Lab Cour:

Cust. Seal: Yes No K

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Therm. ID: LA B. Cor: 5. 7. Unc:\_

Lab Cour:

Cust. Seal: Yes No Eliue Ice, Kethory, None

3.7° (Inc. 3.6.°

Therm. ID: 429 Cor.

Cooler Dsc:\_\_\_\_

FedEx:

Client: Anchor QEA LLC Job Number: 580-103094-3

Login Number: 103094 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Vallelunga, Diana L

Grouter: Vanorariga, Statia E		
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.	False	Refer to Job Narrative for details.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

**Eurofins FGS, Seattle** 

# **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103138-1

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave Suite 2600 Seattle, Washington 98101

Attn: Cindy Fields

# M. Elains Walker

Authorized for release by: 5/21/2021 1:35:54 PM
Elaine Walker, Project Manager II (253)248-4972

m.elaine.walker@eurofinset.com

Designee for

Nathan Lewis, Project Manager I (253)922-2310
Nathan.Lewis@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.

Client: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103138-1

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	
Client Sample Results	5
QC Sample Results	33
Chronicle	34
Certification Summary	39
Sample Summary	40
Chain of Custody	
Receipt Checklists	45

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### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103138-1

Laboratory: Eurofins FGS, Seattle

**Narrative** 

Job Narrative 580-103138-1

#### Receipt

The samples were received on 5/18/2021 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.9° C and 7.0° C.

### **Receipt Exceptions**

The container labesl for every sample did not match the information listed on the Chain-of-Custody (COC):P14-S-55-5-10-2021 (580-103138-2), P14-S-56-5-10-2021 (580-103138-5), P14-S-57-5-10-2021 (580-103138-8), P14-S-58-24-30-2021 (580-103138-1), P14-S-59-41-47-2021 (580-103138-15), P14-S-60-40-46-2021 (580-103138-18), P14-S-61-5-10-2021 (580-103138-20), P14-S-62-5-10-2021 (580-103138-24), P14-S-63-5-10-2021 (580-103138-26), P14-S-64-5-10-2021 (580-103138-29), P14-S-65-5-10-2021 (580-103138-32), P14-S-66-5-10-2021 (580-103138-35), P14-S-67-5-10-2021 (580-103138-38), and P14-S-54-41-47-2021 (580-103138-42). The container label of every sample lists the sampling date 5/14/21, while the COC lists 5/17/21. The samples are logged in per COC.

#### 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.

Job ID: 580-103138-1

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

# Glossary

MDL

ML

MPN

MQL

NC

ND

NEG POS

PQL

**PRES** 

QC

RER

RL RPD

TEF

**TEQ** 

**TNTC** 

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present

Presumptive

**Quality Control** 

Method Quantitation Limit

**Practical Quantitation Limit** 

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

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

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

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)

5/21/2021

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-55-5-10-2021 Lab Sample ID: 580-103138-2

Date Collected: 05/17/21 10:36

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91.6		0.1		%			05/20/21 12:48	1
Percent Moisture	8.4		0.1		%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-55-5-10-2021 Lab Sample ID: 580-103138-2

Date Collected: 05/17/21 10:36 Matrix: Solid
Date Received: 05/18/21 13:50 Percent Solids: 91.6

Date Received: 05/18/21 13:50 Percent Solids: 91.6

Method: 6020B - Metals (ICP/MS)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.8	0.45	mg/Kg	— <u>—</u>	05/19/21 20:02	05/20/21 13:22	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-56-5-10-2021 Lab Sample ID: 580-103138-5

Date Collected: 05/17/21 10:56

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.8	0.1	<u></u> %			05/20/21 12:48	1
Percent Moisture	13.2	0.1	%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-56-5-10-2021 Lab Sample ID: 580-103138-5

Date Collected: 05/17/21 10:56

Matrix: Solid

Date Received: 05/18/21 13:50 Percent Solids: 86.8

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
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 MDL mit mg/Kg
 D wit mg/Kg
 Prepared prepared pos/105/19/21 20:02
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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-57-5-10-2021 Lab Sample ID: 580-103138-8

Date Collected: 05/17/21 11:01

Date Received: 05/18/21 13:50

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.6	0.1	<u></u> %			05/20/21 12:48	1
Percent Moisture	10.4	0.1	%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-57-5-10-2021 Lab Sample ID: 580-103138-8

Method: 6020B - Metals (ICP/M	S)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.8	0.49		mg/Kg	— <u></u>	05/19/21 20:02	05/20/21 13:30	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 12:01 East Sample 15: 300-103130-11

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.5		0.1		%			05/20/21 12:48	1
Percent Moisture	11.5		0.1		%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
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 D mg/Kg
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 Analyzed pos/19/21 13:34
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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-59-41-47-2021 Lab Sample ID: 580-103138-15

Date Collected: 05/17/21 12:47

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80.9		0.1		%			05/20/21 12:48	1
Percent Moisture	19.1		0.1		%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 12:47

Matrix: Solid
Pare Pareity of: 05/18/21 12:50

Date Received: 05/18/21 13:50 Percent Solids: 80.9

Method: 6020B - Metals (ICP/MS	<b>5</b> )								
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.3		0.34		mg/Kg	<u></u>	05/19/21 20:02	05/20/21 13:37	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 13:22 East Cample 15: 300-103130-10

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84.0		0.1		%			05/20/21 12:48	1
Percent Moisture	16.0		0.1		%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-60-40-46-2021 Lab Sample ID: 580-103138-18

Date Collected: 05/17/21 13:22 **Matrix: Solid** 

Date Received: 05/18/21 13:50 Percent Solids: 84.0

Method: 6020B - Metals (ICP/M	IS)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2		0.31		mg/Kg	<u></u>	05/19/21 20:02	05/20/21 13:41	10

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 13:41

Date Received: 05/18/21 13:50

General Chemistry  Analyte	Result Quali	fier RL	RL Un	it D	Prepared	Analyzed	Dil Fac
Percent Solids	93.1	0.1	<u></u> %		<b>.</b>	05/20/21 12:48	1
Percent Moisture	6.9	0.1	%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 13:41

Matrix: Solid

Date Respired: 05/17/21 13:41

Date Received: 05/18/21 13:50 Percent Solids: 93.1

Method: 6020B - Metals (ICP/M	<b>S</b> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.9	0.34	mg/Kg	— <u>—</u>	05/19/21 20:02	05/20/21 14:04	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 14:11 Lab Sample 1D. 500-103130-24

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96.3		0.1		%			05/20/21 12:48	1
Percent Moisture	3.7		0.1		%			05/20/21 12:48	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-62-5-10-2021 Lab Sample ID: 580-103138-24

Date Collected: 05/17/21 14:11 Matrix: Solid
Date Received: 05/18/21 13:50 Percent Solids: 96.3

Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL 0.34
 MDL mit mg/Kg
 Unit mg/Kg
 D 05/19/21 20:02
 Prepared 05/19/21 20:02
 Analyzed 05/19/21 14:08
 Dil Fac 05/19/21 20:02

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 14:31

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.5		0.1		%			05/20/21 13:00	1
Percent Moisture	10.5		0.1		%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 14:31

Matrix: Solid

Date Received: 05/18/21 12:50

Date Received: 05/18/21 13:50 Percent Solids: 89.5

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.6		0.47		mg/Kg	☼	05/19/21 20:02	05/20/21 14:12	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 15:21 Lab Sample 1D. 560-103136-29

Matrix: Solid

Date Received: 05/18/21 13:50

ſ	General Chemistry									
	Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Percent Solids	89.8		0.1		%			05/20/21 13:00	1
L	Percent Moisture	10.2		0.1		%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-64-5-10-2021 Lab Sample ID: 580-103138-29

Date Collected: 05/17/21 15:21

Matrix: Solid

Date Received: 05/18/21 13:50 Percent Solids: 89.8

Method: 6020B - Metals (ICP/M)	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.1	0.34	mg/Kg	₩	05/19/21 20:02	05/20/21 14:16	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-65-5-10-2021 Lab Sample ID: 580-103138-32

Date Collected: 05/17/21 15:36

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95.0		0.1		%			05/20/21 13:00	1
Percent Moisture	5.0		0.1		%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 15:36 Matrix: Solid
Date Received: 05/18/21 13:50 Percent Solids: 95.0

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Un	it D	Prepared	Analyzed	Dil Fac
Arsenic	2.9	0.34	mg	ı/Kg ⇔	05/19/21 20:02	05/20/21 14:19	10

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-66-5-10-2021 Lab Sample ID: 580-103138-35

Date Collected: 05/17/21 15:56

Lab Sample 1D. 560-103136-35

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.6	0.1	%			05/20/21 13:00	1
Percent Moisture	11.4	0.1	%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 15:56

Matrix: Solid

Date Received: 05/18/21 13:50 Percent Solids: 88.6

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.37
 MDL mit mg/Kg
 D oscillation of the prepared of the prepa

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-67-5-10-2021 Lab Sample ID: 580-103138-38

Date Collected: 05/17/21 16:21 Lab Sample 1D. 500-103130-30 Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.2		0.1		%			05/20/21 13:00	1
Percent Moisture	11.8		0.1		%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 16:21

Matrix: Solid

Date Received: 05/18/21 13:50 Percent Solids: 88.2

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.36
 MDL Unit mg/Kg
 D o.5/19/21 20:02
 Prepared o.5/19/21 20:02
 Analyzed o.5/20/21 14:27
 D o.36

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-54-41-47-2021 Lab Sample ID: 580-103138-42

Date Collected: 05/17/21 10:17

Lab Sample 1D: 300-103130-42

Matrix: Solid

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result Q	ualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	82.7		0.1		%			05/20/21 13:00	1
Percent Moisture	17.3		0.1		%			05/20/21 13:00	1

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Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 10:17

Matrix: Solid
Parcent Solids: 82.7

Date Received: 05/18/21 13:50 Percent Solids: 82.7

Method: 6020B - Metals (IC	P/MS)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17	0.39		mg/Kg	<del></del>	05/19/21 20:02	05/20/21 14:31	10

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#### **QC Sample Results**

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-356952/23-A **Client Sample ID: Method Blank** 

**Matrix: Solid** 

Analyte

Prep Type: Total/NA **Analysis Batch: 357065 Prep Batch: 356952** 

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac

0.50 05/19/21 20:02 05/20/21 12:21 Arsenic ND mg/Kg Lab Sample ID: LCS 580-356952/24-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 357065 **Prep Batch: 356952** Spike LCS LCS %Rec.

**Analyte** Added Result Qualifier Unit D %Rec Limits 50.0 49.8 100 80 - 120 Arsenic mg/Kg

**Client Sample ID: Lab Control Sample Dup** Lab Sample ID: LCSD 580-356952/25-A **Matrix: Solid** Prep Type: Total/NA

**Analysis Batch: 357065 Prep Batch: 356952** Spike LCSD LCSD %Rec. RPD

Limits Analyte Added Result Qualifier RPD Limit Unit D %Rec Arsenic 50.0 49.1 98 80 - 120 mg/Kg

Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-55-5-10-2021

Lab Sample ID: 580-103138-2 Date Collected: 05/17/21 10:36

**Matrix: Solid** 

Date Received: 05/18/21 13:50

Client: Anchor QEA LLC

١		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SEA

Client Sample ID: P14-S-55-5-10-2021

Lab Sample ID: 580-103138-2 **Matrix: Solid** 

Date Collected: 05/17/21 10:36 Date Received: 05/18/21 13:50

Percent Solids: 91.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:22	FCW	FGS SEA

Client Sample ID: P14-S-56-5-10-2021

Lab Sample ID: 580-103138-5

**Matrix: Solid** 

Date Collected: 05/17/21 10:56 Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356975	05/20/21 12:48	HDG	FGS SEA

Client Sample ID: P14-S-56-5-10-2021

Lab Sample ID: 580-103138-5 **Matrix: Solid** 

Date Collected: 05/17/21 10:56 Date Received: 05/18/21 13:50

Percent Solids: 86.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:26	FCW	FGS SEA

Client Sample ID: P14-S-57-5-10-2021

Lab Sample ID: 580-103138-8

Date Collected: 05/17/21 11:01 **Matrix: Solid** 

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			356975	05/20/21 12:48	HDG	FGS SEA

Client Sample ID: P14-S-57-5-10-2021

Lab Sample ID: 580-103138-8

Date Collected: 05/17/21 11:01 Matrix: Solid Date Received: 05/18/21 13:50 Percent Solids: 89.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:30	FCW	FGS SEA

Client Sample ID: P14-S-58-24-30-2021

Lab Sample ID: 580-103138-11

Date Collected: 05/17/21 12:01 **Matrix: Solid** 

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SEA

Eurofins FGS, Seattle

Page 34 of 45

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-58-24-30-2021

Date Collected: 05/17/21 12:01

Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-11

**Matrix: Solid** 

Matrix: Solid

Job ID: 580-103138-1

Percent Solids: 88.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:34	FCW	FGS SEA

Client Sample ID: P14-S-59-41-47-2021

Date Collected: 05/17/21 12:47

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SEA

Client Sample ID: P14-S-59-41-47-2021

Date Collected: 05/17/21 12:47

Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-15

Lab Sample ID: 580-103138-18

Lab Sample ID: 580-103138-20

Lab Sample ID: 580-103138-15

**Matrix: Solid** Percent Solids: 80.9

**Matrix: Solid** 

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:37	FCW	FGS SEA

Client Sample ID: P14-S-60-40-46-2021

Date Collected: 05/17/21 13:22

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SFA	-

Client Sample ID: P14-S-60-40-46-2021	Lab Sample ID: 580-103138-18
Date Collected: 05/17/21 13:22	Matrix: Solid
Date Received: 05/18/21 13:50	Percent Solids: 84.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 13:41	FCW	FGS SEA

Client Sample ID: P14-S-61-5-16-2021

Date Collected: 05/17/21 13:41

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SEA

Eurofins FGS, Seattle

Job ID: 580-103138-1

Client: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-61-5-16-2021

Date Collected: 05/17/21 13:41 Date Received: 05/18/21 13:50 Lab Sample ID: 580-103138-20

**Matrix: Solid** 

Percent Solids: 93.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:04	FCW	FGS SEA

Client Sample ID: P14-S-62-5-10-2021

Date Collected: 05/17/21 14:11 Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-24

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 12:48	HDG	FGS SEA

Client Sample ID: P14-S-62-5-10-2021

Date Collected: 05/17/21 14:11 Date Received: 05/18/21 13:50 Lab Sample ID: 580-103138-24

**Matrix: Solid** Percent Solids: 96.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:08	FCW	FGS SEA

Client Sample ID: P14-S-63-5-10-2021

Date Collected: 05/17/21 14:31

Date Received: 05/18/21 13:50

Lab	Sample	ID:	580-	10	)31	38-2	26
			_	_			

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Client Sample ID: P14-S-63-5-10-2021

Date Collected: 05/17/21 14:31 Date Received: 05/18/21 13:50 Lab Sample ID: 580-103138-26

Matrix: Solid

Percent Solids: 89.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:12	FCW	FGS SEA

Client Sample ID: P14-S-64-5-10-2021

Date Collected: 05/17/21 15:21 Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-29

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-64-5-10-2021

Date Collected: 05/17/21 15:21

Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-29

**Matrix: Solid** 

Percent Solids: 89.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:16	FCW	FGS SEA

Client Sample ID: P14-S-65-5-10-2021

Date Collected: 05/17/21 15:36 Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-32

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Client Sample ID: P14-S-65-5-10-2021

Date Collected: 05/17/21 15:36

Date Received: 05/18/21 13:50

Lab Sample ID: 580-103138-32

**Matrix: Solid** Percent Solids: 95.0

**Matrix: Solid** 

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:19	FCW	FGS SEA

Client Sample ID: P14-S-66-5-10-2021

Date Collected: 05/17/21 15:56

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Client Sample ID: P14-S-66-5-10-2021

Date Collected: 05/17/21 15:56

Date Received: 05/18/21 13:50

Lab	Sample	ID:	580-1	03	138	-35
					_	

Lab Sample ID: 580-103138-38

Lab Sample ID: 580-103138-35

Matrix: Solid Percent Solids: 88.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:23	FCW	FGS SEA

Client Sample ID: P14-S-67-5-10-2021

Date Collected: 05/17/21 16:21

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Eurofins FGS, Seattle

#### **Lab Chronicle**

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-67-5-10-2021

Lab Sample ID: 580-103138-38 Date Collected: 05/17/21 16:21

**Matrix: Solid** 

Date Received: 05/18/21 13:50 Percent Solids: 88.2

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:27	FCW	FGS SEA

Lab Sample ID: 580-103138-42 Client Sample ID: P14-S-54-41-47-2021

Date Collected: 05/17/21 10:17 Matrix: Solid

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	356975	05/20/21 13:00	HDG	FGS SEA

Client Sample ID: P14-S-54-41-47-2021 Lab Sample ID: 580-103138-42

Date Collected: 05/17/21 10:17 **Matrix: Solid** 

Date Received: 05/18/21 13:50 Percent Solids: 82.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			356952	05/19/21 20:02	TMH	FGS SEA
Total/NA	Analysis	6020B		10	357065	05/20/21 14:31	FCW	FGS SEA

**Laboratory References:** 

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

## **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103138-1

Project/Site: Parcel 14 Soil Investigation

#### **Laboratory: Eurofins FGS, Seattle**

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	C788	07-13-21
The following analytes	s are included in this repo	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency does not o	offer certification.			
the agency does not o Analysis Method	offer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Percent Moisture	

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#### **Sample Summary**

Client: Anchor QEA LLC

580-103138-38

580-103138-42

Project/Site: Parcel 14 Soil Investigation

P14-S-67-5-10-2021

P14-S-54-41-47-2021

Lab Sample ID **Client Sample ID** Matrix Collected Received Asset ID 580-103138-2 05/17/21 10:36 05/18/21 13:50 P14-S-55-5-10-2021 Solid 580-103138-5 P14-S-56-5-10-2021 Solid 05/17/21 10:56 05/18/21 13:50 580-103138-8 P14-S-57-5-10-2021 Solid 05/17/21 11:01 05/18/21 13:50 580-103138-11 P14-S-58-24-30-2021 Solid 05/17/21 12:01 05/18/21 13:50 580-103138-15 P14-S-59-41-47-2021 Solid 05/17/21 12:47 05/18/21 13:50 580-103138-18 P14-S-60-40-46-2021 Solid 05/17/21 13:22 05/18/21 13:50 580-103138-20 P14-S-61-5-16-2021 Solid 05/17/21 13:41 05/18/21 13:50 Solid 580-103138-24 P14-S-62-5-10-2021 05/17/21 14:11 05/18/21 13:50 580-103138-26 P14-S-63-5-10-2021 Solid 05/17/21 14:31 05/18/21 13:50 05/17/21 15:21 05/18/21 13:50 P14-S-64-5-10-2021 Solid 580-103138-29 580-103138-32 P14-S-65-5-10-2021 Solid 580-103138-35 P14-S-66-5-10-2021 Solid 05/17/21 15:56 05/18/21 13:50

05/17/21 16:21 05/18/21 13:50

05/17/21 10:17 05/18/21 13:50

Solid

Solid

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Job ID: 580-103138-1

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Tacoma, Wn 98424 Phone (253) 922-2310 Phone (425) 420-9210	<b></b>	u o, oac		J											Ame	eco'	
Client Information	Sampler:		Lab PM: Lewis, N	lathan A	·				Carrier 1	Fracking	No(s):		580-43	: 8410-138	85.1		
Client Contact:	Phone:	<del>, , , , , , , , , , , , , , , , , , , </del>	E-Mail;		State of Origin:					Origin:			Page:	1		لاًــــ	
Cindy Fields Company:	<u> </u>	PWSID:	Nathan.l	Lewis@	Eurohi	nset.	com						Page Job#:	1	of `	1	
Anchor QEA LLC				nitulari .	,			sis Re							13	8	
Address: 1201 3rd Ave Suite 2600	Due Date Requested:						Ther	m. ID:	188	Cor:	4.9	_° Une	c: <u>5,4</u>	ੂੰlon Co 	des:		
City:	TAT Requested (days):	. / ~					Cook	m. ID:_ er Dsc:_ ing:	<u> </u>	بلكل	<del>) e^</del> F	edEx:			N - Nor	e	
Seattle Slate, Zip:	3 DA	YTOTAL	AA II					ung: Seal:_Y				rs:		ite id	O - AsN P - Na2		
WA, 98101	Compliance Project:	∆Wes ∆ No					Rhie	ce We	esN	Vano	- La	ab Cou	r: Stide	_	Q - Na2 R - Na2		
Phone: 206-903-3394(Tel)	PO #: 200092-01.11						Diac .				O	ther:_(	Sugar	Arid.	S - H2S	04	e
Email: cfields@anchorgea.com	WO #:		Ž	<u>ڇ</u> ا				Their	n. ID:	188	_Cor:_	7.0	Unc:_ edEx: PS:	7.5	○ U - Ace ─ √ - MC/	tone VA	
Project Name:	Project #:			\$				Coole	r Dsc:_	$-I_{\overline{r}}$	g B!	00 F	edEx:		V - pH	4-5 r (specify)	
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one.	33077#		Sem Sem	Senic	Arsenic	Arsenic			Seal: Y			***	ab Cour:				
		Sample	Matrix 💈	m MSMISD <sub>(</sub> . - Total Arsenic	A G	SPLPA		Blue	icel in ei	ייים ליי.	None	O	ther:				
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Sample Identification	1 1	mple (C≕comp, ime G≕grab)	O∞weste/oil, 0 BT≃Tissue, A≃Air) II.	Perfo 6020B	6010D	G0109							s s	pecial In	structio	ns/Note:	
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Possible Hazard Identification	[]		s								1		ned longe	r than 1	month)		٦
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poiso. Deliverable Requested: I, II, III, IV, Other (specify)	n B Unknown	Radiological			turn To			<i>D</i> است uiremen	isposal t	By Lab		Arc	hive For		Mont	hs	ᅱ
					i isu det	.0113/	ao nec	unemen									┙
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telinquished by:	Date/Time:	Ċ	ompany	Receiv	red by:					C	ate/Time:				Company	'	7
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Eurofing GS, Seattle 5755 8th S

Phone (253) 922-2310 Phone (425) 420-9210

Tacoma, WA 98424

Chain of Custod, .ecord

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Client Information	Sampler:		Lab PM: Lewis, Nathan :	Α		Carrier	Tracking No(s):	COC No: 580-43410-13885.1
Client Contact: Cindy Fields	Phone:					State of	Origin:	Page: Of U
Company:		PWSID:	Nathan.Lewis@	y Carolina (			•	Inh#
Anchor QEA LLC Address:	Due Date Requested:			Т Т	Analys	is Requeste	<b>∋</b> d	10313 E
1201 3rd Ave Suite 2600	· · ·							A - HCL M - Hexane
City: Seattle	TAT Requested (days):							B - NaOH N - None C - Zn Acetate O - AsNaO2
State, Zip:	3 DAY/ I	SIAL AS	Ш					D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3
WA, 98101 Phone:	Compilance Project: \( \Delta \) Yes PO #:	ΔNO	411					F - MeOH R - Na2S2O3
206-903-3394(Tel)	200092-01.11							G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahyo
Email: cfields@anchorqea.com	WO #:		ž g					I - Ice U - Acetone J - DI Water V - MCAA
Project Name:	Project #:							K - EDTA W - pH 4-5 L - EDA Z - other (specify)
Parcel 14 Soil Investigation Site:	58016541 SSOW#:			ي ي				E L - EDA Z - other (specify)  Other:
			Samp SSD ()	Arsenic Arsenic				6
	SIHU	Sample Matrix						
	Sample	Type (W=water S=solid, O=wester/o		6010D - TCLP 6010D - SPLP	ilve ilve			
Sample Identification	Sample Date Time	G≕grab) BT=Ticsue, A	Air) 12 6 020	6010	Archive			Special Instructions/Note:
		Preservation Code	9: XX N	N N	N ,			X
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P14-S-60 - 32-40-2021	5/14/21 132	S			X			
P14-S-(1) - 4( -2021	5/14/21 1322	S	X	XX				
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Possible Hazard Identification	hd hd				(A fee ma	y be assessed	d if samples are re	etained longer than 1 month)
	Poison B Unknown D	Radiological		eturn To (		Disposal	By Lab 🔲 ,	Archive For Months
Deliverable Requested: I, II, III, IV, Other (specify)			opecial	HISTUCTION	ıs/QC Requ			
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Relinquished by:	Date/Time: 13 S	Company A	Recei	ived by:	Tom 3	inte	Date/Time:	8/21 1350 Company
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Custody Seals Intact: Custody Seal No.:			Cople	er Temperatu	re(s) °C and O	ther Remarks:		A BEACHAN MARKATERA
Δ Yes Δ No		— Pane		,	**	<u> </u>	A ENTAGRADA A	
		ı ayı	<del>: 42 of 45</del>					Ver: 01/16/2019

Eurofin GS, Seattle

5755 8th S ast Tacoma, WA 98424 Chain of Custod, lecord

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En int Testing

Ver: 01/16/2019

Client Information	Sampler:			Lab F Lew	PM: ris, Nath	an A					Carrie	Trackii	ng No(s)	î.		COC No: 580-43410-138	85.1
Dient Contact: Cindy Fields	Phone:					State of Orig Lewis@Eurofinset.com				tate of Origin:				Page: 2	of Y		
Company:			PWS(D)	J. Tau	iaii.Levi									Job #:	72170		
Anchor QEA LLC	Due Date Reques	tod:	<u></u>		nen sisses			A	nalys	is Re	quest	ed	<del></del>		66026	Preservation Co	7000
201 3rd Ave Suite 2600	Due Date Reques	teu.														A - HCL	M - Hexane
olly: Seattle	TAT Requested (c	fays):		1												B - NaOH	N - None
eaue Nate, Zip:	<u> </u>	JAY L	TOTAL	. AS)_												C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S
VA, 98101	Compliance Proje	ct: A'Yes	ΔNo													E NaHSO4 F MeOH	Q - Na2SO3 R - Na2S2O3
Phone: 206-903-3394(Tel)	PO #: 200092-01.11															G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahy
mail:	WO#:				2								i			i - ice J - DI Water	U - Acetone V - MCAA
fields@anchorqea.com roject Name:	Project #:				9										1	K - EDTA	W - pH 4-5
Parcel 14 Soil Investigation	58016541														Į	L - EDA	Z - other (specify)
ite:	SSOW#:				E S	enic	Senic Paric								of cor	Other:	
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	到刊出		Sample Type	(W=water,		Total	2 0								퇼		
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ample Identification	Sample Date	Time	Name of Control of Control of Control of Control	BT=Tissue, A=Air)		montes our	TANKS SHOW	DAVIN' PUTTOMANAGE	356836666			1680/28080			18	Special In	structions/Note
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14-8-(03-0) - 5 -2021	5/14/21	1430		s			T	X		1							
14-5-63-5-66-2021	5/14/21	1431		s		X	4	4									
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4-5-(1) -36 -36 -2021	5/14/21	1522		S				X									
4-S-(4) - 5 -2021	5/14/21	1535		s				X					IX				
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ossible Hazard Identification	·		3													d longer than 1	month)
Non-Hazard Flammable Skin Irritant	Poison B Unkne	own L.J.F.	Radiologica	·				Client			isposa	By La	ab	ر لـــا	Archi	ve For	Months
liverable Requested: I, II, III, IV, Other (specify)					Spec	ijai ins	structi	ons/Q	C Requ	iremer							
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Non-Hazard	□ <sub>Flammable</sub>	Skin Irritant
zerable Reque	ested: I. II. IV. (	Other (specify)

Possible Hazard Identification Deliv

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-2021

-2021

-2021

-2021

2021

-2021

Eurofing GS, Seattle

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S

Client Contact:

Cindy Fields

Anchor QEA LLC Address:

Company:

City:

Seattle

State, Zip:

Phone:

Email:

WA, 98101

Project Name:

206-903-3394(Tel)

cfields@anchorqea.com

Sample Identification

Parcel 14 Soil Investigation

Tacoma, WA 98424

Client Information

1201 3rd Ave Suite 2600

## 5/14/21 Poison B Unknown Rad

Phone:

Due Date Requested:

TAT Requested (days):

200092-01.11

Project #:

SSOW#:

58016541

5117/2

Sample Date

5/14/21

5/14/21 5/14/21

5/14/21 5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

Compliance Project: A Yes 🔥 No

Chain of Custod .ecord

PWSID:

Sample

Type

(C≃comp,

G=grab) BT=Tiesue, A=Al

Preservation Code:

Sample

Time

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Lewis, Nathan A

Nathan.Lewis@Eurofinset.com

60100 - SPLP Arsenic

6010D - TCLP

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Matrix

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	Sample Disposal ( A fee m	ay be assessed if sample	s are retained longer th	an 1 month)
	Return To Client	Disposal By Lab	Archive For	Mon
•	Special Instructions/OC Rea	uirements:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

.ab	Ш	Archive	For	

AUCHIVO FOL	 MOUNTS

Ver: 01/16/2019

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Preservation Codes:

of

M - Hexane

O - AsNaO2

P - Na204S

Q - Na2SO3 R - Na2S2O3

S - H2SO4

U - Acetone V - MCAA

W - pH 4-5

Special Instructions/Note:

Z - other (specify)

T - TSP Dodecahydrate

N - None

COC No: 580-43410-13885.1

Page:

Page

Job #:

A - HCL

B - NaCH

C - Zn Acetate

D - Nitric Acid

E - NaHSO4

G - Amchlor

J - DI Water K - EDTA

H - Ascorbic Acid

F - MeOH

1 - Ice

L - EDA

Other:

Carrier Tracking No(s):

State of Origin:

**Analysis Requested** 

mpty Kit Relinquished by:		Date:	Time:	/ Met	hod of Shipment:	
elinquished by		Date/Time: 518 21 1350	Company	Received by:	Date/Time/ 5/18/21 1350	Company
elinquished by:		Date/Time: *	Company	Received by:	Date/Time:	Company
elinquished by:		Date/Time:	Сотрапу	Received by:	Date/Time:	Company
Custody Seals Intact: Custo Δ Yes Δ No	ody Seal No.:			Cooler Temperature(s) °C and Other Remarks:		
			Paue 44 0	T40		Ver: 01/16/2019 5/

Page 44 of 45

#### **Login Sample Receipt Checklist**

Client: Anchor QEA LLC Job Number: 580-103138-1

List Source: Eurofins FGS, Seattle Login Number: 103138

List Number: 1

Creator: Blankinship, Tom X

Creator. Dialikinship, Tolli 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	Thermal preservation not required.
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.	False	Refer to Job Narrative for details.
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	

## **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103138-2

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave **Suite 2600** Seattle, Washington 98101

Attn: Cindy Fields

Authorized for release by: 6/8/2021 4:21:28 PM

Nathan Lewis, Project Manager I

(253)922-2310

Nathan.Lewis@Eurofinset.com

·····LINKS ······

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**Have a Question?** 



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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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103138-2

# **Table of Contents**

Cover Page	
Table of Contents	2
Case Narrative	3
Definitions	
Client Sample Results	5
QC Sample Results	
Chronicle	8
Certification Summary	9
Sample Summary	10
Chain of Custody	11
Receipt Checklists	15

5

6

8

9

#### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103138-2

Job ID: 580-103138-2

Laboratory: Eurofins FGS, Seattle

Narrative

Job Narrative 580-103138-2

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/18/2021 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.9° C and 7.0° C.

#### **Receipt Exceptions**

The container labels for every sample did not match the information listed on the Chain-of-Custody (COC). The container label of every sample lists the sampling date 5/14/21, while the COC lists 5/17/21. The samples are logged in per COC.

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.

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103138-2

Project/Site: Parcel 14 Soil Investigation

## Glossary

MDC

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

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
IVIQL	N. C. C. L.

Not Calculated NC

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

Minimum Detectable Concentration (Radiochemistry)

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

Relative Error Ratio (Radiochemistry) RER

Reporting Limit or Requested Limit (Radiochemistry) RL

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: Anchor QEA LLC Job ID: 580-103138-2

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-66-5-10-2021

Lab Sample ID: 580-103138-35 Date Collected: 05/17/21 15:56 **Matrix: Solid** 

Date Received: 05/18/21 13:50

Method: 6010D - Metals (ICP) -	ICLP						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	0.060	mg/L		06/04/21 12:35	06/07/21 12:29	1

Method: 6010D - Metals (ICP)	- SPLP West								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.060		mg/L		06/04/21 12:32	06/07/21 23:34	1

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103138-2

#### Method: 6010D - Metals (ICP)

Lab Sample ID: MB 580-358332/14-A Client Sample ID: Method Blank

**Matrix: Solid** 

Analysis Batch: 358569

Prep Type: Total/NA **Prep Batch: 358332** 

MB MB

Result Qualifier RL **MDL** Unit Analyzed Dil Fac Analyte Prepared 0.060 06/04/21 12:32 06/07/21 22:55 Arsenic ND mg/L

Lab Sample ID: MB 580-358332/15-A

Matrix: Solid

**Analysis Batch: 358569** 

MB MB

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 358332** 

Result Qualifier RL **MDL** Unit Prepared Dil Fac Analyte Analyzed 0.060 06/04/21 12:32 06/07/21 22:51 Arsenic ND mq/L

Lab Sample ID: LCS 580-358332/16-A **Client Sample ID: Lab Control Sample** 

**Matrix: Solid** 

**Analysis Batch: 358569** 

Prep Type: Total/NA

**Prep Batch: 358332** 

Spike LCS LCS %Rec. Added Result Qualifier Limits

Analyte Unit %Rec Arsenic 1.00 1.02 80 - 120 mg/L

Lab Sample ID: LCSD 580-358332/17-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

**Analysis Batch: 358569** 

Prep Type: Total/NA

**Prep Batch: 358332** 

Spike LCSD LCSD %Rec. **RPD** Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit 1 00 1.02 80 - 120 Arsenic mg/L 102

Lab Sample ID: MB 580-358333/15-A

**Matrix: Solid** 

Analysis Batch: 358503

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 358333** 

MR MR

ND

RL **MDL** Unit Analyte Result Qualifier Prepared Analyzed Dil Fac 0.060 mg/L 06/04/21 12:36 06/07/21 12:20 Arsenic ND

Lab Sample ID: LCS 580-358333/16-A

**Matrix: Solid** 

**Analysis Batch: 358503** 

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

**Prep Batch: 358333** 

%Rec.

Spike LCS LCS Added Result Qualifier Limits Analyte Unit D %Rec 1 00 80 - 120 Arsenic 1.03 mg/L 103

Lab Sample ID: LCSD 580-358333/17-A

Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

**Analysis Batch: 358503** 

Prep Type: Total/NA

**Prep Batch: 358333** %Rec. **RPD** 

Spike LCSD LCSD Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec 1.00 Arsenic 1.04 mg/L 104 80 - 120

Lab Sample ID: 580-103138-35 MS

Client Sample ID: P14-S-66-5-10-2021

**Matrix: Solid** 

Arsenic

**Analysis Batch: 358503** 

**Prep Type: TCLP Prep Batch: 358333** 

Spike MS MS %Rec. Sample Sample Result Qualifier Added Analyte Result Qualifier Unit %Rec

1.00

Limits 80 - 120

104

Eurofins FGS, Seattle

mg/L

1.04

### **QC Sample Results**

Client: Anchor QEA LLC Job ID: 580-103138-2

Project/Site: Parcel 14 Soil Investigation

Method: 6010D - Metals (ICP)

Lab Sample ID: 580-103138-35 MSD Client Sample ID: P14-S-66-5-10-2021

**Matrix: Solid** 

**Prep Type: TCLP** 

**Prep Batch: 358333** 

**Analysis Batch: 358503** MSD MSD Sample Sample Spike **RPD** Result Qualifier Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit 1.00 Arsenic ND 1.02 mg/L 102 80 - 120 2 20

Lab Sample ID: 580-103138-35 DU Client Sample ID: P14-S-66-5-10-2021

Sample Sample

ND

Result Qualifier

DU DU

ND

Result Qualifier

Unit

mg/L

D

**Matrix: Solid** 

**Analyte** 

Arsenic

Analysis Batch: 358503

**Prep Type: TCLP Prep Batch: 358333** 

**RPD** 

RPD Limit

NC 20

#### **Lab Chronicle**

Client: Anchor QEA LLC Job ID: 580-103138-2

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 15:56 Matrix: Solid

Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
SPLP West	Leach	1312			358177	06/03/21 09:43	JLS	FGS SEA
SPLP West	Prep	3010A			358332	06/04/21 12:32	JLS	FGS SEA
SPLP West	Analysis	6010D		1	358569	06/07/21 23:34	TMH	FGS SEA
TCLP	Leach	1311			358165	06/03/21 09:19	JLS	FGS SEA
TCLP	Prep	3010A			358333	06/04/21 12:35	JLS	FGS SEA
TCLP	Analysis	6010D		1	358503	06/07/21 12:29	TMH	FGS SEA

#### **Laboratory References:**

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

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## **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103138-2

Project/Site: Parcel 14 Soil Investigation

### **Laboratory: Eurofins FGS, Seattle**

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	<b>Expiration Date</b>
Washington	State	C788	07-13-21

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1

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## **Sample Summary**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103138-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-103138-35	P14-S-66-5-10-2021	Solid	05/17/21 15:56	05/18/21 13:50	

3

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5755 8th S ast Tacoma, Wn 98424

# Chain of Custod \_\_lecord

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		Ame	

Ver: 01/16/2019

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Eurofing GS, Seattle

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S

Tacoma, WA 98424

💸 eurofins America

Client Information	Sampler:		.ab PM: _ewis, Nathar	n A			Carri	er Tracki	ng No(s	):		COC No: 580-43410-13885.1
Client Contact: Cindy Fields	Phone:		E-Mail: Nathan.Lewis	@Euro	finset.co	m	State	of Origin	ı:		·	Page: Of U
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06-903-3394(Tel)	200092-01.11											H - Ascorbic Acid T - TSP Dodecahydrate
mail: fields@anchorqea.com	Wo #:		-   Q   Q									I - Ice U - Acetone J - DI Water V - MCAA
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Phone (253) 922-2310 Phone (425) 420-9210

Tacoma, WA 98424

Client Information	50			Lewis, N	lathan .	A						HIGGKII		٥).			580-43410-1388	35.1	
illent Contact: Dindy Fields	Phone:			E-Mail: Nathan.i	Lewis@	Euro	ofinset.	.com			State o	Origin	:				Page: 2	of Y	
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Non-Hazard Flammable Skin Irritant P	oison BUnknow	wn Radio	logical		$\Box_{R}$					□ <sub>Disi</sub>		By La	b	L		rchiv	/e For	Months	
eliverable Requested: I, II, III, IV, Other (specify)				s	pecial	Instru	ictions	/QC F	Require	ments	:								
npty Kit Relinquished by:		Date:	·	Time	e:				1		Met	hod of	Shipm	ent:					
			Company 2	\ <u> </u>	Recei	ved by	/:   à		>1	1		·····	Date/	Time:	-/1	g /s	1 (350)	Company	
inquished by SIR 21	Date/Time: 8/2	1 1350	)   'A-1	<u>( )</u>						<b>*</b>	~ ~	2							
JUV - 5/18/19/-	Date/Time:	<u>(1350</u>	Company	يا	Recei	ved by		(	70-		X	<u>5&gt;</u>	Date/	Time:	/ 14	4 2		Company	· · · · · · · · · · · · · · · · · · ·
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COC No:

Page:

Page

Job #:

A - HCL

B - NaCH

C - Zn Acetate

D - Nitric Acid

E - NaHSO4

G - Amchlor

J - DI Water K - EDTA

H - Ascorbic Acid

F - MeOH

1 - Ice

L - EDA

Other:

580-43410-13885.1

Preservation Codes:

of

M - Hexane

O - AsNaO2

P - Na204S

Q - Na2SO3 R - Na2S2O3

S - H2SO4

U - Acetone

V - MCAA

W - pH 4-5

Special Instructions/Note:

Z - other (specify)

T - TSP Dodecahydrate

N - None

Carrier Tracking No(s):

State of Origin:

**Analysis Requested** 

will in and with the basis by the single		
hithirosystemeno, is		

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	P14-S-
Ī	Possible
	□ Non

P14-S-

Hazard Identification

Empty Kit Relinquished by:

Custody Seals Intact:

Δ Yes Δ No

Relinquished by

Relinquished by:

Relinquished by:

Eurofine GS. Seattle

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S

Client Contact:

Cindy Fields

Anchor QEA LLC Address:

Company:

City:

Seattle

Phone:

Email:

State, Zip:

WA, 98101

Project Name:

206-903-3394(Tel)

cfields@anchorgea.com

Sample Identification

Parcel 14 Soil Investigation

Tacoma, WA 98424

Client Information

1201 3rd Ave Suite 2600

n-Hazard Flammable Skin Irritant Poison B Unknown Radiological Deliverable Requested: I, II, III, IV, Other (specify)

Custody Seal No.:

-2021

-2021

-2021

-2021

-2021

-2021

2021

-2021

## 5/14/21 5/14/21

Date/Time:

Phone:

Due Date Requested:

TAT Requested (days):

200092-01.11

Project #:

SSOW#:

58016541

5/17/2

Sample Date

5/14/21

5/14/21 5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

5/14/21 5/14/21

Compliance Project: A Yes 🔥 No

Date:

#### Samp

Time:

Chain of Custod .ecord

PWSID:

Sample

Type

(C≃comp,

G≕grab) <sub>BT=Tiesue, A=A</sub>

Preservation Code:

Sample

Time

Lewis, Nathan A

Nathan.Lewis@Eurofinset.com

60100 - SPLP Arsenic

6010D - TCLP

N N N

XX

E-Mail:

Matrix

(W=water,

S≃solld,

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Company

Sample Disposal ( A fee r	nay be assessed if sample	s are retained longer th	an 1 month)
Return To Client	Disposal By Lab	Archive For	Mon
Special Instructions/QC Re	auirements:		

Lab	☐ Arc	hive For_	

	Date/Time/		Company
$\sim$	5/18/21	(350	
	Date/Time:		Company
	Date/Time:		Company
	<u> </u>		

1.11			Temperature(s) °C and Other Remarks:
3 - 1 - <u>-</u>	2 11 11 2 2 2	1	. 14.1
	2000 17	737 7 7 7	

Received by:

Received by:

Received by:

Months

Client: Anchor QEA LLC

Job Number: 580-103138-2

Login Number: 103138 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Blankinship, Tom X

Creator: Biankinsnip, 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	Thermal preservation not required.
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.	False	Refer to Job Narrative for details.
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	

**Eurofins FGS, Seattle** 

## **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103138-3

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave **Suite 2600** Seattle, Washington 98101

Attn: Cindy Fields

Authorized for release by:

5/25/2021 1:27:18 PM

Pauline Matlock, Project Manager

(253)922-2310

pauline.matlock@eurofinset.com

Designee for

Nathan Lewis, Project Manager I

(253)922-2310

Nathan.Lewis@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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103138-3

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Client Sample Results	5
QC Sample Results	9
Chronicle	10
Certification Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	17

#### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103138-3

Job ID: 580-103138-3

Laboratory: Eurofins FGS, Seattle

**Narrative** 

Job Narrative 580-103138-3

#### Comments

No additional comments.

#### Receipt

The samples were received on 5/18/2021 1:50 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.9° C and 7.0° C.

#### **Receipt Exceptions**

The container labels for every sample did not match the information listed on the Chain-of-Custody (COC): The container label of every sample lists the sampling date 5/14/21, while the COC lists 5/17/21. The samples are logged in per the COC.

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.

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

#### Glossary

LOQ

MCL

<del>Oloobal y</del>	
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)

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit MLMinimum Level (Dioxin)

Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level"

Most Probable Number MPN Method Quantitation Limit MQL

NC Not Calculated

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

Negative / Absent NEG POS Positive / Present

PQL **Practical Quantitation Limit** 

**PRES** Presumptive QC **Quality Control** 

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: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-66-30-36-2021 Lab Sample ID: 580-103138-36

Date Collected: 05/17/21 15:57

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80.8		0.1		%			05/24/21 09:58	1
Percent Moisture	19.2		0.1		%			05/24/21 09:58	1

5

0

Client: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 15:57

Matrix: Solid
Pare Parent Solids: 80.8

Date Received: 05/18/21 13:50 Percent Solids: 80.8

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0		0.44		mg/Kg	≎	05/22/21 08:19	05/25/21 04:28	10

5

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10

Client: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 16:22 East Cample 1D: 300-103130-33

Date Received: 05/18/21 13:50

General Chemistry Analyte	Result C	Dualifier	RL	RL	Unit	D	Prepared	Analvzed	Dil Fac
Percent Solids	69.2		0.1		<del>%</del>	<u>-</u> -	Tropurcu	05/24/21 09:58	1
Percent Moisture	30.8		0.1		%			05/24/21 09:58	1

8

9

Client: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

Date Collected: 05/17/21 16:22

Matrix: Solid
Parts Parts in the 05/40/21 43:50

Date Received: 05/18/21 13:50 Percent Solids: 69.2

Method: 6020B - Metals (ICP/M	S)							
Analyte	Result Qu	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.9	0.55		mg/Kg	— <u></u>	05/22/21 08:19	05/25/21 04:32	10

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Q

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### **QC Sample Results**

Client: Anchor QEA LLC Job ID: 580-103138-3

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-357165/23-A

Lab Sample ID: LCS 580-357165/24-A

Lab Sample ID: LCSD 580-357165/25-A

**Matrix: Solid** 

Analyte

Arsenic

**Analyte** 

Arsenic

Analyte

Arsenic

**Matrix: Solid** 

**Matrix: Solid** 

Analysis Batch: 357347

Analysis Batch: 357347

Analysis Batch: 357347

MB MB

Result Qualifier ND

RL 0.25

Spike

Added

50.0

Spike

Added

50.0

**MDL** Unit mg/Kg

LCS LCS

LCSD LCSD

50.5

Result Qualifier Unit

Prepared

Analyzed 05/22/21 08:19 05/25/21 03:38

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 357165** 

Prep Type: Total/NA **Prep Batch: 357165** 

%Rec.

80 - 120

**Client Sample ID: Method Blank** 

D %Rec Limits

mg/Kg

Prep Type: Total/NA

**Prep Batch: 357165** 

%Rec. RPD Limits RPD Limit D %Rec

**Client Sample ID: Lab Control Sample Dup** 

101

Result Qualifier Unit 50.1 100 80 - 120 mg/Kg

Project/Site: Parcel 14 Soil Investigation

Dil Fac

Eurofins FGS, Seattle

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-66-30-36-2021

Lab Sample ID: 580-103138-36

**Matrix: Solid** 

Date Collected: 05/17/21 15:57 Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	357238	05/24/21 09:58	HDG	FGS SEA

Client Sample ID: P14-S-66-30-36-2021

Lab Sample ID: 580-103138-36

Date Collected: 05/17/21 15:57 **Matrix: Solid** Percent Solids: 80.8 Date Received: 05/18/21 13:50

<b>D T</b>	Batch	Batch	<b>D</b>	Dilution	Batch	Prepared	A I 4	1
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			357165	05/22/21 08:19	JCP	FGS SEA
Total/NA	Analysis	6020B		10	357347	05/25/21 04:28	FCW	FGS SEA

Client Sample ID: P14-S-67-30-36-2021

Lab Sample ID: 580-103138-39

**Matrix: Solid** 

Date Collected: 05/17/21 16:22 Date Received: 05/18/21 13:50

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	357238	05/24/21 09:58	HDG	FGS SEA

Client Sample ID: P14-S-67-30-36-2021

Lab Sample ID: 580-103138-39

Date Collected: 05/17/21 16:22 **Matrix: Solid** Date Received: 05/18/21 13:50 Percent Solids: 69.2

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			357165	05/22/21 08:19	JCP	FGS SEA
Total/NA	Analysis	6020B		10	357347	05/25/21 04:32	FCW	FGS SEA

#### **Laboratory References:**

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

## **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103138-3

Project/Site: Parcel 14 Soil Investigation

### **Laboratory: Eurofins FGS, Seattle**

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	C788	07-13-21
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 which
41	_ CC L: C: L:		, , ,	· · · · · · · · · · · · · · · · · · ·
the agency does not o		Matrix	Analyte	,
the agency does not on Analysis Method 2540G	offer certification. Prep Method	Matrix Solid	Analyte Percent Moisture	

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## **Sample Summary**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID Client Sample ID Matrix Collected Received Asset ID 05/17/21 15:57 05/18/21 13:50 580-103138-36 P14-S-66-30-36-2021 Solid P14-S-67-30-36-2021 580-103138-39 Solid 05/17/21 16:22 05/18/21 13:50

Job ID: 580-103138-3

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S ast Tacoma, Wn 98424

# Chain of Custoo \_ .ecord

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Ver: 01/16/2019

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Compan Ancho Address 1201 3 City:	ny: or QEA LLC s:	*·····			• INa	than.Lew	ris@Eu	rofinse	t.com						Page		of T	
Address 1201 3 City:	5:			PWSID:				************	Ana	lysis	Regu	ested			Job#:	103	138	********
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Phone: 206-90		PO#: 200092-01.11										ra,,, . • •	, ic	Other	: Clide	Acid.	S - H2SO4 T - TSP Dodeo	cahydrate
	@anchorqea.com	WO #:				0 Q				T	herm.	ID: <u>//</u>	<u> </u>	or: 7.0	: <u>C.G. 20</u> 7 • Unc:_ FedEx: UPS:	7.5	○ U - Acetone ─ V - MCAA A/ - AH 4-5	·
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Site:		SSOW#:				၂활활		nic		C	ust. Se	al: Yes	No_	×	" UPS: Lab Cour:		_	
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	le Hazard Identification	[]													tained longe			
	on-Hazard Flammable Skin Irritant Poison able Requested: I, II, III, IV, Other (specify)	n B Unkno	wn Re	adiological			Retur		lient s/QC R			osal By	Lab	<u></u>	Archive For_		Months	·
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Relinquist	hed by:	Date/Time:			Company	R	eceived b	y:					Date/	Time:			Company	
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Eurofine GS, Seattle

5755 8th S Tacoma, WA 98424 💸 eurofins

Analysis Re	State of Origin	n:	Total Number of containers	Page. Page Job #:  Preservation C  A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA  Other:	of U 3 1 3 8 Codes: M - Hexane N - None O - AsNaO2 P - Na2O45 Q - Na2SO3 R - Na2SO3 S - H2SO4
Analysis Re	equested		mber of containers	Job #:  Preservation C A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
Archive	equested		mber of containers	Preservation C A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	M - Hexane N - None O - AshlaO2 P - Na2O45 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	M - Hexane N - None O - AshlaO2 P - Na2O4S O - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrale U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	N - None O - AsNaO2 P - Na2O45 Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - Di Water K - EDTA L - EDA Other:	P - Na2O4S Q - Na2S03 R - Na2S2O3 S - H2SO4 d T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	Q - Na2SO3 R - Na2S2O3 S - H2SO4 d T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA	S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	I - Ice J - DI Water K - EDTA L - EDA Other:	U - Acetone V - MCAA W - pH 4-5
SAME OFFICE AND PARTIES AND PA			mber of containers	K - EDTA L - EDA Other:	W - pH 4-5
SAME OFFICE AND PARTIES AND PA	4.4		mber of contain	Other:	Z - otner (specify)
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al (A fee may be a	assessed if s	amples are	e retaine	ed longer than	1 month)
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💸 eurofins America

## Chain of Custod, lecord

Eurofins GS, Seattle

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S

Tacoma, WA 98424

Client Information	Sompler So			ris, Nath	nan A					İ		ing mota	•/•		580-43410-13	885.1
Client Contact: Cindy Fields	Phone:		E-Mat	ail: han.Lev	vis@E	urofins	et.com	<b></b>		State	f Origin	1:			Page: 2	of Y
Company:		PWSID:		T				alysis	. Da						Job#:	77138
Anchor QEA LLC Address:	Due Date Requested:				П	<u> </u>	T	lalySis	S Rec	luesi	eu	η	1 1		Preservation C	odes:
1201 3rd Ave Suite 2600															A - HCL	M - Hexane
City: Seattle	TAT Requested (days):	. 1 1	Ac)												B - NaOH C - Zn Acetate	N - None O - AsNaO2
State, Zip:	$ \mathcal{O}$ $\mathcal{V}^{\mu}$	Y (TOTAL	<u>, AS)                                    </u>	111											D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3
NA, 98101 Phone:	Compliance Project: PO #:	Δ' Yes ~ Δ No		- 1											F - MeOH	R - Na2S2O3
206-903-3394(Tel)	200092-01.11			اادا											G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydn
mail: :fields@anchorqea.com	WO#:			2 0											i - tce J - DI Water	U - Acetone V - MCAA
Project Name:	Project #:													Ě	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Parcel 14 Soil Investigation	58016541 SSOW#:			eld \$	ان	ی ای								contain	Other:	
	1			E 6	rseni	Arsenic								165		
	15/17/21	Sample	Matrix													
	,	Type ample (C=comp	(W≔water, S≃solid,		6020B - Total		2							2		
Sample Identification			O=waste/oil, BTrrTissue, AnAir)		6020	60100	Archiv							Total Number	Special I	nstructions/Note:
	<i>&gt;</i> > > > > > > > > > > > > > > > > > >	> Preserv	ation Code:	XX	N	N V								$\mathbb{Z}$		
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14-S-(15-30 -36 -2021	5/14/21	371 W	s				$\kappa$							N		
ossible Hazard Identification		4		Sam	ple D	sposa	ľ (A fe	e may	be as	sesse	d if s	ample	s are	retain	rèd longer than	
Non-Hazard Flammable Skin Irritant eliverable Requested: I, II, III, IV, Other (specify)	Poison B Unknown	Radiologica	<i>I</i>			rn To		Requir		sposa	By La	ab		Arch	hive For	Months
enverable requested. I, II, III, IV, Other (specify)				Spec	ojai ii is	uctio	:15/QC	Requir	CHICH							
mpty Kit Relinquished by:	Date	<b>:</b>		Time:				/_		Me	thod of	Shipme				
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elinquished by:	Date/Time:		Company		Received	-			*****	<u></u>		Date/1				Company

580-43410-13885.1

Preservation Codes:

of

M - Hexane

O - AsNaO2

P - Na204S

Q - Na2SO3 R - Na2S2O3

S - H2SO4

U - Acetone V - MCAA

W - pH 4-5

Special Instructions/Note:

Z - other (specify)

T - TSP Dodecahydrate

N - None

COC No:

Page:

Page

Job #:

A - HCL

B - NaCH

C - Zn Acetate

D - Nitric Acid

E - NaHSO4

G - Amchlor

J - DI Water

K - EDTA

L - EDA

Other:

H - Ascorbic Acid

F - MeOH

1 - Ice

Carrier Tracking No(s):

State of Origin:

**Analysis Requested** 

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P14-S-
Possib

1	Pos:	sible
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☐ Non-Hazard	

Eurofing GS, Seattle

Phone (253) 922-2310 Phone (425) 420-9210

5755 8th S

Client Contact:

Cindy Fields

Anchor QEA LLC Address:

Company:

City:

Seattle

Phone:

Email:

State, Zip:

WA, 98101

Project Name:

206-903-3394(Tel)

cfields@anchorqea.com

Sample Identification

Parcel 14 Soil Investigation

Tacoma, WA 98424

Client Information

1201 3rd Ave Suite 2600

Non-Hazard	□ <sub>Flammable</sub>	Skin Irritant
Deliverable Reque	sted: I, II, III, IV,	Other (specify)

Hazard Identification

-2021

-2021

-2021

~2021

-2021

-2021

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2021 -2021

□ <sub>Skin Irritant</sub>	
546 / 16 5	

□ <sub>Poisor</sub>	nB [	Unknown

Phone:

Due Date Requested:

TAT Requested (days):

200092-01.11

Project #:

SSOW#:

58016541

511712

Sample Date

5/14/21

5/14/21 5/14/21

5/14/21 5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

5/14/21

Compliance Project: A Yes 🔥 No

Rac	liolo	gical	

Chain of Custod .ecord

PWSID:

Sample

Type

(C=comp,

G≕grab) <sub>BT=Tiesue, A=A</sub>

Preservation Code:

Sample

Time

Lewis, Nathan A

Nathan.Lewis@Eurofinset.com

E-Mail:

Matrix

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#### Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) Return To Client Special Instructions/QC Requirements:

60100 - SPLP Arsenic

6010D - TCLP

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 Archive For

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Ver: 01/16/2019

mpty Kit Relinquished by:	Date:	Time:	/ Method of Shipment:	
elinquished by	Date/Time: 518 21 1350	Company Receive	ed by: Date/Time/ 9/18/2	Company 1350
elinquished by:	Date/Time: 1	Company Receive	Date/Time:	Company
elinquished by:	Date/Time:	Company Received	od by: Date/Time:	Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No		Cooler T	Temperature(s) °C and Other Remarks:	
A		Page 10 of 17		Ver 01/16/2019 5/

Page 16 of 17

## **Login Sample Receipt Checklist**

Client: Anchor QEA LLC Job Number: 580-103138-3

Login Number: 103138 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Blankinship, Tom X

Creator: Blankinship, Iom X		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a surve meter.</td <td>y True</td> <td></td>	y 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	Thermal preservation not required.
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.	False	Refer to Job Narrative for details.
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	

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## **ANALYTICAL REPORT**

Eurofins FGS, Seattle 5755 8th Street East Tacoma, WA 98424 Tel: (253)922-2310

Laboratory Job ID: 580-103508-1

Client Project/Site: Parcel 14 Soil Investigation

For:

Anchor QEA LLC 1201 3rd Ave Suite 2600 Seattle, Washington 98101

Attn: Cindy Fields

Authorized for release by:

6/7/2021 3:41:56 PM

Nathan Lewis, Project Manager I

(253)922-2310

Nathan.Lewis@Eurofinset.com

····· LINKS ·····

Review your project results through

**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: Anchor QEA LLC Project/Site: Parcel 14 Soil Investigation Laboratory Job ID: 580-103508-1

# **Table of Contents**

Cover Page	1
Table of Contents	2
Case Narrative	3
Definitions	4
Client Sample Results	5
QC Sample Results	89
Chronicle	92
Certification Summary	106
Sample Summary	107
Chain of Custody	108
Receipt Checklists	113

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#### **Case Narrative**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103508-1

Job ID: 580-103508-1

Laboratory: Eurofins FGS, Seattle

**Narrative** 

Job Narrative 580-103508-1

#### Comments

No additional comments.

#### Receipt

The samples were received on 6/2/2021 3:45 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.3° C and 0.8° 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.

### **Definitions/Glossary**

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

#### **Qualifiers**

M	etal	Is
	Ctu	•

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit

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)
MCI	FPA recommended "Maximum Contai

EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML 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** 

Presumptive **PRES Quality Control** QC

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) Toxicity Equivalent Quotient (Dioxin) **TEQ** 

TNTC Too Numerous To Count

6/7/2021

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 13:50

Lab Sample 1D. 500-103500-1

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87.7		0.1		%			06/03/21 09:49	1
Percent Moisture	12.3		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 13:50

Matrix: Solid
Date Received: 06/02/21 15:45

Matrix: Solid
Percent Solids: 87.7

 Method: 6020B - Metals (ICP/MS)
 Result Arsenic
 Qualifier
 RL N.52
 MDL mit mg/Kg
 D nmg/Kg
 Prepared no.05/20/21 16:23
 Analyzed no.06/04/21 22:10
 D nil Fac no.06/04/21 22:10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-66-18-24-2021 Lab Sample ID: 580-103508-2

Date Collected: 06/01/21 13:45

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	84.7		0.1		%			06/03/21 09:49	1
Percent Moisture	15.3		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Arsenic

Date Collected: 06/01/21 13:45

Matrix: Solid
Date Received: 06/02/21 15:45

Percent Solids: 84.7

Method: 6020B - Metals (ICP/MS)

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

0.49

2.1

mg/Kg

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-67-18-24-2021 Lab Sample ID: 580-103508-3

Date Collected: 06/01/21 13:40

Lab Sample 1D. 500-103500-3

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.3	0.1	%			06/03/21 09:49	1
Percent Moisture	11.7	0.1	%			06/03/21 09:49	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 13:40

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 88.3

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-71-21-2021 Lab Sample ID: 580-103508-4

Date Collected: 06/01/21 12:10

Lab Sample 1D. 560-103506-4

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry						_	_		
Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91.0		0.1		%			06/03/21 09:49	1
Percent Moisture	9.0		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-71-21-2021 Lab Sample ID: 580-103508-4

Date Collected: 06/01/21 12:10

Matrix: Solid

Parcent Solids: 91.0

Date Received: 06/02/21 15:45 Percent Solids: 91.0

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.41		mg/Kg	≎	06/03/21 16:23	06/04/21 23:00	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-68-27-2021 Lab Sample ID: 580-103508-5

Date Collected: 06/01/21 13:20

Lab Sample 1D. 500-103500-5

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87.5		0.1		%			06/03/21 09:49	1
Percent Moisture	12.5		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-68-27-2021 Lab Sample ID: 580-103508-5

Date Collected: 06/01/21 13:20 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 87.5

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.1		0.44		mg/Kg	<del></del>	06/03/21 16:23	06/04/21 23:04	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-69-27-2021 Lab Sample ID: 580-103508-6

Date Collected: 06/01/21 13:25

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90.5		0.1		%			06/03/21 09:49	1
Percent Moisture	9.5		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 13:25 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 90.5

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.2	0.40	mg/Kg	<u></u>	06/03/21 16:23	06/04/21 23:07	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-70-21-2021 Lab Sample ID: 580-103508-7

Date Collected: 06/01/21 13:30 East Sample 15: 050-150505-7

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.7		0.1		%			06/03/21 09:49	1
Percent Moisture	11.3		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-70-21-2021 Lab Sample ID: 580-103508-7

Date Collected: 06/01/21 13:30

Matrix: Solid

Date Received: 06/02/21 15:45

Percent Solids: 88.7

Date Received: 06/02/21 15:45 Percent Solids: 88.7

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.8		0.55		mg/Kg	☆	06/03/21 16:23	06/04/21 23:11	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-72-21-2021 Lab Sample ID: 580-103508-8

Date Collected: 06/01/21 12:05

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	94.1		0.1		%			06/03/21 09:49	1
Percent Moisture	5.9		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-72-21-2021 Lab Sample ID: 580-103508-8

Date Collected: 06/01/21 12:05

Matrix: Solid
Pare Parent Solids: 94.1

Date Received: 06/02/21 15:45 Percent Solids: 94.1

Method: 6020B - Metals (ICP/M	S)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prep	ared	Analyzed	Dil Fac
Arsenic	1.6		0.43		mg/Kg	<u></u>	06/03/2	1 16:23	06/04/21 23:15	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-73-21-2021 Lab Sample ID: 580-103508-9

Date Collected: 06/01/21 12:00 Lab Sample 1D. 560-103506-5

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result Qua	lifier RL	RL U	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	74.5	0.1		%			06/03/21 09:49	1
Percent Moisture	25.5	0.1	9	%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-73-21-2021 Lab Sample ID: 580-103508-9

Date Collected: 06/01/21 12:00 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 74.5

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.61
 MDL Unit mg/Kg
 D of 06/03/21 16:23
 Prepared of 06/03/21 16:23
 Analyzed of 06/04/21 23:19
 D of 06/04/21 23:19
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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103508-10 Client Sample ID: P14-S-74-21-2021

Date Collected: 06/01/21 11:55

**Matrix: Solid** Date Received: 06/02/21 15:45

General Chemistry Analyte	Result Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.0	0.1		%			06/03/21 09:49	1
Percent Moisture	7.0	0.1		%			06/03/21 09:49	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-74-21-2021 Lab Sample ID: 580-103508-10

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8	0.42	mg/Kg	⇒	06/03/21 16:23	06/04/21 23:23	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-75-21-2021 Lab Sample ID: 580-103508-11

Date Collected: 06/01/21 11:50 Eas Sample 18: 000-100000-11

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result Qualifier	RL	RL Ur	nit [	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.3	0.1	%				06/03/21 09:49	1
Percent Moisture	16.7	0.1	%				06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-75-21-2021 Lab Sample ID: 580-103508-11

Date Collected: 06/01/21 11:50

Matrix: Solid

Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45 Percent Solids: 83.3

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.5		0.52		mg/Kg	<del></del>	06/03/21 16:23	06/04/21 22:06	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-76-21-2021 Lab Sample ID: 580-103508-12

Date Collected: 06/01/21 11:40

Lab Sample 1D. 500-103506-12

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.9		0.1		%			06/03/21 09:49	1
Percent Moisture	11.1		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-76-21-2021 Lab Sample ID: 580-103508-12

Date Collected: 06/01/21 11:40

Matrix: Solid
Date Received: 06/02/21 15:45

Matrix: Solid
Percent Solids: 88.8

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL Qualifier
 MDL mit mg/Kg
 D mg/Kg
 Prepared prepared mg/Kg
 Analyzed pil Fac mg/Kg
 D mg/Kg
 Prepared mg/Kg
 Analyzed pil Fac mg/Kg
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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-77-18-2021 Lab Sample ID: 580-103508-13

Date Collected: 06/01/21 11:45

Lab Sample 1D. 960-103506-13

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.0		0.1		%			06/03/21 09:49	1
Percent Moisture	8.0		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-77-18-2021 Lab Sample ID: 580-103508-13

Date Collected: 06/01/21 11:45 **Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 92.0

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.41		mg/Kg	<u></u>	06/03/21 16:23	06/05/21 02:16	10

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:20 Lab Sample 1D: 360-103306-14

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96.6		0.1		%			06/03/21 09:49	1
Percent Moisture	3.4		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-78-5-10-2021 Lab Sample ID: 580-103508-14

Date Collected: 06/01/21 11:20

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45 Percent Solids: 96.6

Method: 6020B - Metals (ICP/MS	5)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8	0.51	mg/k	(g ∵	06/03/21 16:23	06/05/21 02:20	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:25

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90.0		0.1		%			06/03/21 09:49	1
Percent Moisture	10		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:25

Date Received: 06/02/21 15:45

Matrix: Solid
Percent Solids: 90.0

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:50

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.4		0.1		%			06/03/21 09:49	1
Percent Moisture	7.6		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:50 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 92.4

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15		0.49		mg/Kg	☼	06/03/21 16:23	06/05/21 02:27	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:55

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.6	0.1	<u></u> %			06/03/21 09:49	1
Percent Moisture	11.4	0.1	%			06/03/21 09:49	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:55

Matrix: Solid
Pare Respired: 06/02/21 45:45

Date Received: 06/02/21 15:45 Percent Solids: 88.6

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15	0.52	mg/Kg	<u></u>	06/03/21 16:23	06/05/21 02:31	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:25

Date Collected: 06/01/21 10:25 Matrix: Solid Date Received: 06/02/21 15:45

General Chemistry									
Analyte	Result Q	ualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.8		0.1		%			06/03/21 09:49	1
Percent Moisture	13.2		0.1		%			06/03/21 09:49	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:25

Matrix: Solid
Parts Parts in al. 06/02/21 45:45

Date Received: 06/02/21 15:45 Percent Solids: 86.8

Method: 6020B - Metals (ICP/MS	5)								
Analyte	Result (	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11		0.52		mg/Kg	☆	06/03/21 16:23	06/05/21 02:35	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103508-24 Client Sample ID: P14-S-83-21-2021

Date Collected: 06/01/21 10:20

**Matrix: Solid** Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.4		0.1		%			06/03/21 09:49	1
Percent Moisture	13.6		0.1		%			06/03/21 09:49	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:20

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45 Percent Solids: 86.4

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	85	F1	0.37		mg/Kg	— <u></u>	06/04/21 09:52	06/04/21 23:50	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:00 Lab Sample 1D: 360-103306-23

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	59.8		0.1		%			06/03/21 09:52	1
Percent Moisture	40.2		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-84-12-2021 Lab Sample ID: 580-103508-25

Date Collected: 06/01/21 10:00 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 59.8

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.1		0.57		mg/Kg	☼	06/04/21 09:52	06/05/21 00:32	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 10:10 Lab Sample 1D. 500-103500-20 Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.0		0.1		%			06/03/21 09:52	1
Percent Moisture	8.0		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Method: 6020B - Metals (ICP/MS	<b>S</b> )							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12	0.44		mg/Kg	<del></del>	06/04/21 09:52	06/05/21 00:36	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-87-12-2021 Lab Sample ID: 580-103508-27

Date Collected: 06/01/21 10:30 Lab Sample 1D: 360-103306-27

Date Received: 06/02/21 15:45

General Chemistry						_	_		
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.6		0.1		%			06/03/21 09:52	1
Percent Moisture	16.4		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-87-12-2021 Lab Sample ID: 580-103508-27

Date Collected: 06/01/21 10:30 Matrix: Solid
Date Received: 06/02/21 15:45 Percent Solids: 83.6

Method: 6020B - Metals (ICP/MS	5)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.9		0.36		mg/Kg	<u></u>	06/04/21 09:52	06/05/21 00:40	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 09:35

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78.8		0.1		%			06/03/21 09:52	1
Percent Moisture	21.2		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 09:35

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45 Percent Solids: 78.8

Method: 6020B - Metals (ICP/MS	5)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6	0.52	mg/Kg	<u></u>	06/04/21 09:52	06/05/21 00:44	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 09:30 Lab Sample 1D: 360-103306-29

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.9		0.1		%			06/03/21 09:52	1
Percent Moisture	13.1		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 09:30

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45

Percent Solids: 86.9

Mothod: 6020R - Motals (ICP/MS)

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.0		0.39		mg/Kg	☆	06/04/21 09:52	06/05/21 00:47	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-91-15-2021 Lab Sample ID: 580-103508-30

Date Collected: 06/01/21 09:15

Date Received: 06/02/21 15:45 Matrix: Solid

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96.0		0.1		%			06/03/21 09:52	1
Percent Moisture	4.0		0.1		%			06/03/21 09:52	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-91-15-2021 Lab Sample ID: 580-103508-30

Date Collected: 06/01/21 09:15 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 96.0

Method: 6020B - Metals (ICP/M	<b>S</b> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4	0.32	mg/Kg	<u></u>	06/04/21 09:52	06/05/21 00:51	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 09:45

Matrix: Solid

Date Received: 06/02/21 15:45

<b>General Chemistry</b>							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.1	0.1	<u></u> %			06/03/21 09:52	1
Percent Moisture	7.9	0.1	%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-93-15-2021 Lab Sample ID: 580-103508-31

Date Collected: 06/01/21 09:45 **Matrix: Solid** 

Percent Solids: 92.1 Date Received: 06/02/21 15:45

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.8		0.32		mg/Kg	₩	06/04/21 09:52	06/05/21 00:55	10

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-94-15-2021 Lab Sample ID: 580-103508-32

Date Collected: 06/01/21 09:50

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	95.5		0.1		%			06/03/21 09:52	1
Percent Moisture	4.5		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-94-15-2021 Lab Sample ID: 580-103508-32

Date Collected: 06/01/21 09:50 Matrix: Solid
Date Received: 06/02/21 15:45 Percent Solids: 95.5

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-95-15-2021 Lab Sample ID: 580-103508-33

Date Collected: 06/01/21 09:55

Date Received: 06/02/21 15:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.1	0.1	%			06/03/21 09:52	1
Percent Moisture	7.9	0.1	%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103508-33 Client Sample ID: P14-S-95-15-2021

Date Collected: 06/01/21 09:55 **Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 92.1

Method: 6020B - Metals (ICP/M	<b>S</b> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.5	0.41	mg/Kg	— <u>—</u>	06/04/21 09:52	06/05/21 01:22	10

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-96-18-2021 Lab Sample ID: 580-103508-34

Date Collected: 06/01/21 11:35

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.7		0.1		%			06/03/21 09:52	1
Percent Moisture	7.3		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:35

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45 Percent Solids: 92.7

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.3		0.34		mg/Kg	≎	06/04/21 09:52	06/04/21 23:46	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:45

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analvzed	Dil Fac
Percent Solids	94.9		0.1		%	= -		06/03/21 09:52	1
Percent Moisture	5.1		0.1		%			06/03/21 09:52	1

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:45 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 94.9

Method: 6020B - Metals (ICP/MS)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.6		0.35		mg/Kg	≎	06/04/21 09:52	06/05/21 01:26	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:50

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.9		0.1		%			06/03/21 09:52	1
Percent Moisture	6.1		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:50

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 93.9

Method: 6020B - Metals (ICP/MS	5)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10	0.39	mg/Kg	₽	06/04/21 09:52	06/05/21 01:30	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:00 Lab Gample 1D: 300-103300-30 Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	93.2		0.1		%			06/03/21 09:52	1
Percent Moisture	6.8		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.3	0.36	mg/l	<u> </u>	06/04/21 09:52	06/05/21 01:34	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:05

Lab Sample 1D: 360-103306-39

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.9		0.1		%			06/03/21 09:52	1
Percent Moisture	10.1		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:05 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 89.9

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.46
 MDL Unit mg/Kg
 D o6/04/21 09:52
 Prepared o6/05/21 01:37
 Analyzed Dil Fac o6/05/21 01:37
 D o6/05/21 01:37
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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:15 Eas Sample 15: 050 105000 41

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result C	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.6		0.1		%			06/03/21 09:52	1
Percent Moisture	7.4		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:15

Matrix: Solid
Pare Respired: 06/02/21 15:15

Date Received: 06/02/21 15:45 Percent Solids: 92.6

Method: 6020B - Metals (ICP/M	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.4	0.32	mg/Kg	<u></u>	06/04/21 09:52	06/05/21 01:41	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:20 Lab Gample 1D: 300-103300-42

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	89.6		0.1		%			06/03/21 09:52	1
Percent Moisture	10.4		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:20 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 89.6

Method: 6020B - Metals (ICP/M	S)							
Analyte	Result Qualifie	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14	0.31		mg/Kg	—— <u>—</u>	06/04/21 09:52	06/05/21 01:45	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:30 Lab Sample 1D. 560-103506-44

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result (	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	91.3		0.1		%			06/03/21 09:52	1
Percent Moisture	8.7		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-100-5-10-2021 Lab Sample ID: 580-103508-44

Date Collected: 06/01/21 14:30 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 91.3

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.35
 MDL Unit mg/Kg
 D of MDL

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Eurofins FGS, Seattle

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:35

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result C	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	83.6		0.1		%			06/03/21 09:52	1
Percent Moisture	16.4		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 14:35

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 83.6

Method: 6020B - Metals (ICP/M)	S)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.5	0.43	mg/Kg	₩	06/04/21 09:58	06/04/21 21:20	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-101-15-2021 Lab Sample ID: 580-103508-47

Date Collected: 06/01/21 15:30 East Sample 15: 300-103000-47

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	88.0		0.1		%			06/03/21 09:52	1
Percent Moisture	12.0		0.1		%			06/03/21 09:52	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-101-15-2021 Lab Sample ID: 580-103508-47

Date Collected: 06/01/21 15:30 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 88.0

Method: 6020B - Metals (ICP/M)	5)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.8	0.54	mg/Kg	≎	06/04/21 09:58	06/04/21 21:24	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:35

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79.7		0.1		%			06/03/21 09:53	1
Percent Moisture	20.3		0.1		%			06/03/21 09:53	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:35

Matrix: Solid
Date Received: 06/02/21 15:45

Date Received: 06/02/21 15:45

Percent Solids: 79.7

Mothod: 6020R - Motals (ICP/MS)

Method: 6020B - Metals (ICP/M	<del>5</del> )						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.2	0.57	mg/Kg	— <u></u>	06/04/21 09:58	06/04/21 21:28	10

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:45

Lab Sample 1D. 960-103506-49

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result Q	ualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	92.6		0.1		%			06/03/21 09:53	1
Percent Moisture	7.4		0.1		%			06/03/21 09:53	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-103-21-2021 Lab Sample ID: 580-103508-49

Date Collected: 06/01/21 15:45

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 92.6

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.47
 MDL mit mg/Kg
 D of mg/Kg
 Prepared of mg/Kg
 Analyzed of mg/Kg
 D of mg/Kg
 Prepared of mg/Kg
 Analyzed of mg/Kg
 D of mg/Kg
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Eurofins FGS, Seattle

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 15:40

Lab Sample 1D: 360-103306-30

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	90.3		0.1		%			06/03/21 09:53	1
Percent Moisture	9.7		0.1		%			06/03/21 09:53	1

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Job ID: 580-103508-1 Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Lab Sample ID: 580-103508-50 Client Sample ID: P14-S-104-12-2021

Date Collected: 06/01/21 15:40 **Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 90.3

Method: 6020B - Metals (ICP/MS) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Arsenic 0.51 mg/Kg 2.6

Dil Fac 10

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:17

Matrix: Solid

Date Received: 06/02/21 15:45

General Chemistry							
Analyte	Result Qualifier	RL	RL Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	86.0	0.1	%			06/03/21 09:53	1
Percent Moisture	14.0	0.1	%			06/03/21 09:53	1

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Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Date Collected: 06/01/21 11:17

Matrix: Solid
Date Received: 06/02/21 15:45

Percent Solids: 86.0

 Method: 6020B - Metals (ICP/MS)

 Analyte
 Result Arsenic
 Qualifier
 RL O.50
 MDL mit mg/Kg
 D mg/Kg
 Prepared of 06/04/21 09:58
 Analyzed of 06/04/21 21:39
 Dil Fac of 06/04/21 21:39

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Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103508-1

#### Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 580-358248/22-A Client Sample ID: Method Blank

**Matrix: Solid** 

Analysis Batch: 358450

Prep Type: Total/NA

**Prep Batch: 358248** 

MB MB Result Qualifier RL **MDL** Unit Analyzed Analyte Prepared 0.50 06/03/21 16:23 06/04/21 22:02 Arsenic ND mg/Kg

Lab Sample ID: LCS 580-358248/23-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA **Prep Batch: 358248 Analysis Batch: 358450** Spike LCS LCS %Rec.

Added Result Qualifier Unit D %Rec Limits Analyte 50.0 50.5 101 80 - 120 Arsenic mq/Kq

Lab Sample ID: LCSD 580-358248/24-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 358450 Prep Batch: 358248** Spike LCSD LCSD %Rec. **RPD** Limits Added Result Qualifier RPD Limit Analyte Unit D %Rec

Lab Sample ID: 580-103508-1 MS Client Sample ID: P14-S-41-18-24-2021

50.5

mg/Kg

mg/Kg

**Matrix: Solid** 

Arsenic

**Analysis Batch: 358450** 

Prep Batch: 358248 Spike MS MS %Rec. Sample Sample

Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits 100 80 - 120 Arsenic 1.9 53.1 mg/Kg

50.0

Lab Sample ID: 580-103508-1 MSD

**Matrix: Solid** 

Analysis Batch: 358450

Prep Batch: 358248 MSD MSD Sample Sample Spike %Rec. RPD Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Limit 1.9 54.5 56.7 101 80 - 120 Arsenic mg/Kg

Lab Sample ID: 580-103508-1 DU

1.9

**Matrix: Solid** 

Analyte

Arsenic

**Analysis Batch: 358450** 

**Prep Batch: 358248** DU DU Sample Sample **RPD** Result Qualifier Result Qualifier **RPD** Limit Unit

1.60

Lab Sample ID: MB 580-358301/22-A Client Sample ID: Method Blank

**Matrix: Solid** 

**Analysis Batch: 358450** 

MB MB

Result Qualifier RL **MDL** Unit **Prepared** Analyte Analyzed Dil Fac 0.50 06/04/21 09:52 06/04/21 23:42 Arsenic ND mg/Kg

Lab Sample ID: LCS 580-358301/23-A

**Matrix: Solid** 

**Analysis Batch: 358450** 

**Prep Batch: 358301** Spike LCS LCS %Rec. Added Limits Analyte Result Qualifier Unit D %Rec Arsenic 50.0 103 80 - 120 51.4 mg/Kg

Eurofins FGS, Seattle

Dil Fac

Client Sample ID: P14-S-41-18-24-2021 Prep Type: Total/NA

Prep Type: Total/NA

80 - 120

Client Sample ID: P14-S-41-18-24-2021 Prep Type: Total/NA

Prep Type: Total/NA **Prep Batch: 358301** 

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103508-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCSD 580-358301/24-A Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

Analysis Batch: 358450

Prep Type: Total/NA **Prep Batch: 358301** 

LCSD LCSD Spike %Rec. **RPD** Added Result Qualifier Unit %Rec Limits RPD Limit Analyte 50.0 Arsenic 51.1 mg/Kg 102 80 - 120 0

Lab Sample ID: 580-103508-24 MS Client Sample ID: P14-S-83-21-2021

**Matrix: Solid** 

**Analysis Batch: 358450** 

85 F1

Prep Type: Total/NA **Prep Batch: 358301** 

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 36.4 80 - 120

Lab Sample ID: 580-103508-24 MSD Client Sample ID: P14-S-83-21-2021

94.3 F1

mg/Kg

**Matrix: Solid** 

Arsenic

**Analysis Batch: 358450** 

25

**Prep Type: Total/NA Prep Batch: 358301** 

Sample Sample Spike MSD MSD %Rec. **RPD** Limits Result Qualifier Added Result Qualifier Limit Analyte Unit %Rec RPD Arsenic 85 F1 37.2 85.2 F1 80 - 120 mg/Kg

Lab Sample ID: 580-103508-24 DU Client Sample ID: P14-S-83-21-2021

**Matrix: Solid** 

**Analysis Batch: 358450** 

Prep Type: Total/NA

**Prep Batch: 358301** 

DU DU **RPD** Sample Sample Analyte Result Qualifier Result Qualifier Unit Limit 85 F1 54.2 F3 Arsenic mg/Kg

Lab Sample ID: MB 580-358304/12-A

**Matrix: Solid** 

Analysis Batch: 358452

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

Prep Batch: 358304

MR MR Analyte RL MDL Unit Result Qualifier Prepared Analyzed Dil Fac Arsenic 0.25 06/04/21 09:58 06/04/21 20:30 ND mg/Kg

Lab Sample ID: LCS 580-358304/13-A

**Matrix: Solid** 

**Analysis Batch: 358452** 

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

Prep Batch: 358304

%Rec.

Spike LCS LCS Added Result Qualifier Limits Analyte Unit D %Rec 50.0 80 - 120 Arsenic 48.9 mg/Kg 98

Lab Sample ID: LCSD 580-358304/14-A

Client Sample ID: Lab Control Sample Dup

**Matrix: Solid** 

**Analysis Batch: 358452** 

Prep Type: Total/NA Prep Batch: 358304

%Rec. **RPD** 

Spike LCSD LCSD Added Limits Analyte Result Qualifier RPD Limit Unit D %Rec 50.0 49.4 99 80 - 120 Arsenic mg/Kg

6/7/2021

# **QC Sample Results**

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

Method: 2540G - SM 2540G

Lab Sample ID: 580-103508-1 DU Client Sample ID: P14-S-41-18-24-2021

**Matrix: Solid** 

**Analysis Batch: 358178** 

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Solids	87.7		87.6		%		 0.2	20
Percent Moisture	12.3		12.4		%		1	20

Lab Sample ID: 580-103508-25 DU Client Sample ID: P14-S-84-12-2021 **Prep Type: Total/NA** 

**Matrix: Solid** 

Analysis Batch: 358178

	Sample	Sample	DU	DU				RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D	RPD	Limit
Percent Solids	59.8		60.8		%		 2	20
Percent Moisture	40.2		39.2		%		2	20

Lab Sample ID: 580-103508-48 DU Client Sample ID: P14-S-102-15-2021 Prep Type: Total/NA

**Matrix: Solid** 

**Analysis Batch: 358178** 

	Sample	Sample	DU	DU					RPD
Analyte	Result	Qualifier	Result	Qualifier	Unit	D		RPD	Limit
Percent Solids	79.7		79.6		%			0.05	20
Percent Moisture	20.3		20.4		%			0.2	20

**Prep Type: Total/NA** 

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Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-41-18-24-2021

Date Collected: 06/01/21 13:50 Date Received: 06/02/21 15:45

Batch Dilution Batch Ratch Prepared

Method Factor or Analyzed **Prep Type** Type Run Number Analyst Lab Total/NA 2540G 06/03/21 09:49 HDG FGS SEA Analysis 358178

Client Sample ID: P14-S-41-18-24-2021

Date Received: 06/02/21 15:45

Date Collected: 06/01/21 13:50

Lab Sample ID: 580-103508-1 **Matrix: Solid** 

Lab Sample ID: 580-103508-1

Percent Solids: 87.7

Job ID: 580-103508-1

Matrix: Solid

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab Total/NA Prep 3050B 358248 06/03/21 16:23 JLS FGS SEA Total/NA Analysis 6020B 10 358450 06/04/21 22:10 **FCW FGS SEA** 

Client Sample ID: P14-S-66-18-24-2021

Date Collected: 06/01/21 13:45

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-2

**Matrix: Solid** 

Dilution Batch Batch Batch **Prepared** Method Run Factor Number or Analyzed **Prep Type** Type Analyst Lab Total/NA 2540G 358178 06/03/21 09:49 HDG FGS SEA Analysis

Client Sample ID: P14-S-66-18-24-2021

Date Collected: 06/01/21 13:45

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-2

Percent Solids: 84.7

Matrix: Solid

Batch Batch Dilution Batch **Prepared** Method Factor Number or Analyzed **Prep Type** Type Run Analyst Lab FGS SEA Total/NA 3050B 06/03/21 16:23 JLS Prep 358248 Total/NA Analysis 6020B 10 358450 06/04/21 22:52 FCW **FGS SEA** 

Client Sample ID: P14-S-67-18-24-2021

Date Collected: 06/01/21 13:40 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-3

Matrix: Solid

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA 2540G 358178 06/03/21 09:49 HDG FGS SEA Analysis

Client Sample ID: P14-S-67-18-24-2021

Date Collected: 06/01/21 13:40 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-3

Matrix: Solid Percent Solids: 88.3

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 358248 06/03/21 16:23 JLS **FGS SEA** Total/NA 6020B 358450 06/04/21 22:56 FCW **FGS SEA** Analysis 10

Client Sample ID: P14-S-71-21-2021

Date Collected: 06/01/21 12:10 Date Received: 06/02/21 15:45 Lab Sample ID: 580-103508-4

Matrix: Solid

Batch Batch Dilution Batch **Prepared Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab Total/NA 358178 HDG FGS SEA Analysis 2540G 06/03/21 09:49

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Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-71-21-2021

Date Collected: 06/01/21 12:10

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-4

**Matrix: Solid** Percent Solids: 91.0

Job ID: 580-103508-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:00	FCW	FGS SEA

Client Sample ID: P14-S-68-27-2021

Date Collected: 06/01/21 13:20

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-5

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-68-27-2021

Date Collected: 06/01/21 13:20

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-5

**Matrix: Solid** Percent Solids: 87.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:04	FCW	FGS SEA

Client Sample ID: P14-S-69-27-2021

Date Collected: 06/01/21 13:25

Date Received: 06/02/21 15:45

Lab Sample	D: 580-	103508-6
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**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-69-27-2021

Date Collected: 06/01/21 13:25

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-6

Matrix: Solid

Percent Solids: 90.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B		<u></u>	358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:07	FCW	FGS SEA

Client Sample ID: P14-S-70-21-2021

Date Collected: 06/01/21 13:30 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-7 **Matrix: Solid** 

Batch Dilution Batch Batch Prepared Method Number or Analyzed **Prep Type** Type Factor Analyst Lab Run 2540G 358178 06/03/21 09:49 HDG FGS SFA Total/NA Analysis

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-70-21-2021

Date Collected: 06/01/21 13:30

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-7

**Matrix: Solid** Percent Solids: 88.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:11	FCW	FGS SEA

Dilution

**Factor** 

Batch

Number

Client Sample ID: P14-S-72-21-2021

Date Collected: 06/01/21 12:05 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-8 Matrix: Solid

Prepared or Analyzed Analyst Lab FGS SEA 358178 06/03/21 09:49 HDG

Analysis Client Sample ID: P14-S-72-21-2021

Method

2540G

Batch

Type

Date Collected: 06/01/21 12:05 Date Received: 06/02/21 15:45

**Prep Type** 

Total/NA

Lab Sample ID: 580-103508-8

**Matrix: Solid** Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:15	FCW	FGS SEA

Run

Client Sample ID: P14-S-73-21-2021

Date Collected: 06/01/21 12:00

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-9

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-73-21-2021

Date Collected: 06/01/21 12:00

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-9 **Matrix: Solid** 

Percent Solids: 74.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:19	FCW	FGS SEA

Client Sample ID: P14-S-74-21-2021

Date Collected: 06/01/21 11:55 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-10 **Matrix: Solid** 

Batch Dilution Batch Batch **Prepared** Method Number or Analyzed Analyst **Prep Type** Type **Factor** Lab Run 2540G 358178 06/03/21 09:49 HDG FGS SFA Total/NA Analysis

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-74-21-2021

Date Collected: 06/01/21 11:55 Date Received: 06/02/21 15:45 Lab Sample ID: 580-103508-10

Matrix: Solid

Percent Solids: 93.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:23	FCW	FGS SEA

Client Sample ID: P14-S-75-21-2021 Lab Sample ID: 580-103508-11

Date Collected: 06/01/21 11:50 Date Received: 06/02/21 15:45

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Lab Sample ID: 580-103508-11 Client Sample ID: P14-S-75-21-2021

Date Collected: 06/01/21 11:50 Date Received: 06/02/21 15:45 **Matrix: Solid** 

Percent Solids: 83.3

Batch **Batch** Dilution Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 358248 06/03/21 16:23 JLS FGS SEA Total/NA Analysis 6020B 10 358450 06/04/21 22:06 FCW **FGS SEA** 

Client Sample ID: P14-S-76-21-2021 Lab Sample ID: 580-103508-12

Date Collected: 06/01/21 11:40 Date Received: 06/02/21 15:45 **Matrix: Solid** 

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-76-21-2021 Lab Sample ID: 580-103508-12

Date Collected: 06/01/21 11:40

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 88.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 02:12	FCW	FGS SEA

Client Sample ID: P14-S-77-18-2021 Lab Sample ID: 580-103508-13

Date Collected: 06/01/21 11:45 Date Received: 06/02/21 15:45

Dilution Batch Batch Batch **Prepared** Method Number **Prep Type** Type **Factor** or Analyzed Lab Run Analyst 358178 06/03/21 09:49 HDG FGS SFA Total/NA 2540G Analysis

Client Sample ID: P14-S-77-18-2021 Lab Sample ID: 580-103508-13

Date Collected: 06/01/21 11:45 Matrix: Solid Date Received: 06/02/21 15:45

Percent Solids: 92.0

Job ID: 580-103508-1

Batch Dilution Batch Ratch Prepared Method Number or Analyzed **Prep Type** Type Run **Factor** Analyst Lab Total/NA 3050B 06/03/21 16:23 JLS FGS SEA Prep 358248 06/05/21 02:16 Total/NA 6020B FCW FGS SEA Analysis 10 358450

Client Sample ID: P14-S-78-5-10-2021 Lab Sample ID: 580-103508-14

Date Collected: 06/01/21 11:20 Matrix: Solid

Date Received: 06/02/21 15:45

Batch Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type Factor** Type Run Analyst Lab FGS SEA Total/NA Analysis 2540G 358178 06/03/21 09:49 HDG

Client Sample ID: P14-S-78-5-10-2021 Lab Sample ID: 580-103508-14

Date Collected: 06/01/21 11:20 **Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 96.6

Dilution Batch Batch Batch **Prepared** Method Factor Number or Analyzed Lab **Prep Type** Type Run Analyst Total/NA Prep 3050B 358248 06/03/21 16:23 JLS FGS SEA Total/NA Analysis 6020B 10 358450 06/05/21 02:20 FCW **FGS SEA** 

Client Sample ID: P14-S-78-18-24-2021 Lab Sample ID: 580-103508-15

Date Collected: 06/01/21 11:25 **Matrix: Solid** 

Date Received: 06/02/21 15:45

Analysis

Analysis

6020B

2540G

Total/NA

Total/NA

Dilution Ratch Batch Prepared Batch **Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab 2540G 06/03/21 09:49 HDG FGS SEA Total/NA Analysis 358178

Client Sample ID: P14-S-78-18-24-2021 Lab Sample ID: 580-103508-15

Date Collected: 06/01/21 11:25 Matrix: Solid Date Received: 06/02/21 15:45 Percent Solids: 90.0

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 06/03/21 16:23 JLS FGS SEA 358248

10 Client Sample ID: P14-S-80-5-10-2021 Lab Sample ID: 580-103508-20

358450

06/05/21 02:24 FCW

HDG

**FGS SEA** 

Date Collected: 06/01/21 10:50 **Matrix: Solid** Date Received: 06/02/21 15:45

Dilution Batch Batch Batch Prepared Type Method Factor Number or Analyzed Lab Prep Type Run Analyst 358178 06/03/21 09:49 FGS SFA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-80-5-10-2021

Date Collected: 06/01/21 10:50

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-20

**Matrix: Solid** 

Percent Solids: 92.4

Job ID: 580-103508-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 02:27	FCW	FGS SEA

Client Sample ID: P14-S-80-18-24-2021

Date Collected: 06/01/21 10:55

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-21

Matrix: Solid

		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-80-18-24-2021

Date Collected: 06/01/21 10:55

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-21

**Matrix: Solid** Percent Solids: 88.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 02:31	FCW	FGS SEA

Client Sample ID: P14-S-82-21-2021

Date Collected: 06/01/21 10:25

Date Received: 06/02/21 15:45

Lab Samp	ole ID:	580-1	03508-23
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Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Client Sample ID: P14-S-82-21-2021

Date Collected: 06/01/21 10:25

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-23

Matrix: Solid

Percent Solids: 86.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B		- <u> </u>	358248	06/03/21 16:23	JLS	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 02:35	FCW	FGS SEA

Client Sample ID: P14-S-83-21-2021

Date Collected: 06/01/21 10:20 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-24

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:49	HDG	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-83-21-2021

Date Collected: 06/01/21 10:20 Date Received: 06/02/21 15:45 Lab Sample ID: 580-103508-24

Matrix: Solid

Percent Solids: 86.4

Job ID: 580-103508-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:50	FCW	FGS SEA

Client Sample ID: P14-S-84-12-2021 Lab Sample ID: 580-103508-25

Date Collected: 06/01/21 10:00 Date Received: 06/02/21 15:45 Lab Sample ID: 580-103508-25
Matrix: Solid

Batch Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type Factor** Type Run Analyst Lab FGS SEA Total/NA Analysis 2540G 358178 06/03/21 09:52 HDG

Client Sample ID: P14-S-84-12-2021 Lab Sample ID: 580-103508-25

Date Collected: 06/01/21 10:00 Date Received: 06/02/21 15:45 Matrix: Solid

Percent Solids: 59.8

Dilution Batch Batch Batch **Prepared** Method Factor Number or Analyzed Lab **Prep Type** Type Run Analyst Total/NA Prep 3050B 358301 06/04/21 09:52 JCP FGS SEA Total/NA Analysis 6020B 10 358450 06/05/21 00:32 FCW **FGS SEA** 

Client Sample ID: P14-S-86-12-2021 Lab Sample ID: 580-103508-26

Date Collected: 06/01/21 10:10 Date Received: 06/02/21 15:45 Lab Sample ID: 580-103508-26

Matrix: Solid

Dilution Batch Batch Prepared Batch Prep Type Type Method Run **Factor** Number or Analyzed Analyst Lab 2540G 358178 06/03/21 09:52 HDG FGS SEA Total/NA Analysis

Client Sample ID: P14-S-86-12-2021 Lab Sample ID: 580-103508-26

Date Collected: 06/01/21 10:10 Date Received: 06/02/21 15:45 Matrix: Solid

Percent Solids: 92.0

Matrix: Solid

Batch Batch Dilution Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 358301 06/04/21 09:52 JCP FGS SEA Total/NA Analysis 6020B 10 358450 06/05/21 00:36 FCW **FGS SEA** 

Client Sample ID: P14-S-87-12-2021 Lab Sample ID: 580-103508-27

Date Collected: 06/01/21 10:30 Date Received: 06/02/21 15:45

Dilution Batch Batch Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Lab Analyst 358178 06/03/21 09:52 HDG FGS SFA 2540G Total/NA Analysis

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-87-12-2021

Date Collected: 06/01/21 10:30 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-27

**Matrix: Solid** 

Percent Solids: 83.6

Job ID: 580-103508-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
_Total/NA	Analysis	6020B		10	358450	06/05/21 00:40	FCW	FGS SEA

Client Sample ID: P14-S-88-15-2021

Date Collected: 06/01/21 09:35 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-28

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-88-15-2021

Date Collected: 06/01/21 09:35 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-28

**Matrix: Solid** Percent Solids: 78.8

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 00:44	FCW	FGS SEA

Client Sample ID: P14-S-89-15-2021

Date Collected: 06/01/21 09:30 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-29

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-89-15-2021

Date Collected: 06/01/21 09:30

Lab Sample ID: 580-103508-29 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 86.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 00:47	FCW	FGS SEA

Client Sample ID: P14-S-91-15-2021

Date Collected: 06/01/21 09:15 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-30

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-91-15-2021

Date Collected: 06/01/21 09:15 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-30

Matrix: Solid

Percent Solids: 96.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 00:51	FCW	FGS SEA

Lab Sample ID: 580-103508-31 Client Sample ID: P14-S-93-15-2021

Date Collected: 06/01/21 09:45 Date Received: 06/02/21 15:45

Matrix: Solid

Batch Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type** Type **Factor** Run Analyst Lab FGS SEA Total/NA Analysis 2540G 358178 06/03/21 09:52 HDG

Client Sample ID: P14-S-93-15-2021 Lab Sample ID: 580-103508-31

Date Collected: 06/01/21 09:45

**Matrix: Solid** Date Received: 06/02/21 15:45 Percent Solids: 92.1

Dilution Batch **Batch** Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 358301 06/04/21 09:52 JCP FGS SEA Total/NA Analysis 6020B 10 358450 06/05/21 00:55 FCW **FGS SEA** 

Client Sample ID: P14-S-94-15-2021 Lab Sample ID: 580-103508-32

Date Collected: 06/01/21 09:50 **Matrix: Solid** 

Date Received: 06/02/21 15:45

Dilution Batch Batch Prepared Batch **Prep Type** Type Method Run **Factor** Number or Analyzed Analyst Lab 2540G 358178 06/03/21 09:52 HDG FGS SEA Total/NA Analysis

Client Sample ID: P14-S-94-15-2021 Lab Sample ID: 580-103508-32

Date Collected: 06/01/21 09:50 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 95.5

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 00:59	FCW	FGS SEA

Lab Sample ID: 580-103508-33 Client Sample ID: P14-S-95-15-2021

Date Collected: 06/01/21 09:55 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-95-15-2021

Date Collected: 06/01/21 09:55 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-33

**Matrix: Solid** 

Percent Solids: 92.1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:22	FCW	FGS SEA

Lab Sample ID: 580-103508-34 Client Sample ID: P14-S-96-18-2021

Date Collected: 06/01/21 11:35 Date Received: 06/02/21 15:45

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-96-18-2021 Lab Sample ID: 580-103508-34

Date Collected: 06/01/21 11:35

**Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 92.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/04/21 23:46	FCW	FGS SEA

Client Sample ID: P14-S-97-5-10-2021 Lab Sample ID: 580-103508-35

Date Collected: 06/01/21 14:45 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-97-5-10-2021 Lab Sample ID: 580-103508-35

Date Collected: 06/01/21 14:45 Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 94.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:26	FCW	FGS SEA

Client Sample ID: P14-S-97-18-24-2021 Lab Sample ID: 580-103508-36

Date Collected: 06/01/21 14:50 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Job ID: 580-103508-1

Client Sample ID: P14-S-97-18-24-2021 Lab Sample ID: 580-103508-36

Date Collected: 06/01/21 14:50 **Matrix: Solid** Date Received: 06/02/21 15:45 Percent Solids: 93.9

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:30	FCW	FGS SEA

Client Sample ID: P14-S-98-5-15-2021

Lab Sample ID: 580-103508-38 Date Collected: 06/01/21 15:00 Matrix: Solid

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-98-5-15-2021

Lab Sample ID: 580-103508-38 Date Collected: 06/01/21 15:00 **Matrix: Solid** 

Date Received: 06/02/21 15:45 Percent Solids: 93.2

Dilution Batch **Batch** Batch Prepared **Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Total/NA Prep 3050B 358301 06/04/21 09:52 JCP FGS SEA Total/NA Analysis 6020B 10 358450 06/05/21 01:34 FCW **FGS SEA** 

Client Sample ID: P14-S-98-24--2021 Lab Sample ID: 580-103508-39

Date Collected: 06/01/21 15:05 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA	

Client Sample ID: P14-S-98-24--2021 Lab Sample ID: 580-103508-39

Date Collected: 06/01/21 15:05 Matrix: Solid

Percent Solids: 89.9 Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:37	FCW	FGS SEA

Client Sample ID: P14-S-99-5-10-2021 Lab Sample ID: 580-103508-41

Date Collected: 06/01/21 15:15 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-99-5-10-2021

Date Collected: 06/01/21 15:15

Date Received: 06/02/21 15:45

Client: Anchor QEA LLC

Lab Sample ID: 580-103508-41

**Matrix: Solid** 

Percent Solids: 92.6

Job ID: 580-103508-1

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:41	FCW	FGS SEA

Client Sample ID: P14-S-99-18-24-2021

Date Collected: 06/01/21 15:20 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-42

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-99-18-24-2021

Date Collected: 06/01/21 15:20 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-42

**Matrix: Solid** Percent Solids: 89.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:45	FCW	FGS SEA

Client Sample ID: P14-S-100-5-10-2021

Date Collected: 06/01/21 14:30 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-44

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Client Sample ID: P14-S-100-5-10-2021

Date Collected: 06/01/21 14:30

Lab Sample ID: 580-103508-44

Matrix: Solid

Date Received: 06/02/21 15:45 Percent Solids: 91.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358301	06/04/21 09:52	JCP	FGS SEA
Total/NA	Analysis	6020B		10	358450	06/05/21 01:49	FCW	FGS SEA

Client Sample ID: P14-S-100-18-24-2021

Date Collected: 06/01/21 14:35 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-45

**Matrix: Solid** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:52	HDG	FGS SEA

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-100-18-24-2021

Date Collected: 06/01/21 14:35 Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-45

Matrix: Solid

Percent Solids: 83.6

l		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
l	Total/NA	Prep	3050B			358304	06/04/21 09:58	C1K	FGS SEA
	Total/NA	Analysis	6020B		10	358452	06/04/21 21:20	FCW	FGS SEA

Client Sample ID: P14-S-101-15-2021 Lab Sample ID: 580-103508-47

Date Collected: 06/01/21 15:30 Date Received: 06/02/21 15:45

Matrix: Solid

Batch Dilution Batch Prepared Method Number or Analyzed **Prep Type** Type **Factor** Run Analyst Lab FGS SEA Total/NA Analysis 2540G 358178 06/03/21 09:52 HDG

Client Sample ID: P14-S-101-15-2021 Lab Sample ID: 580-103508-47

Date Collected: 06/01/21 15:30 Date Received: 06/02/21 15:45

**Matrix: Solid** Percent Solids: 88.0

Dilution Batch **Batch** Batch **Prepared Prep Type** Type Method Run Factor Number or Analyzed Analyst Lab Prep Total/NA 3050B 358304 06/04/21 09:58 C1K FGS SEA Total/NA Analysis 6020B 10 358452 06/04/21 21:24 FCW **FGS SEA** 

Client Sample ID: P14-S-102-15-2021 Lab Sample ID: 580-103508-48

Date Collected: 06/01/21 15:35 **Matrix: Solid** Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G			358178	06/03/21 09:53	HDG	FGS SEA

Client Sample ID: P14-S-102-15-2021 Lab Sample ID: 580-103508-48

Date Collected: 06/01/21 15:35 Date Received: 06/02/21 15:45

Matrix: Solid Percent Solids: 79.7

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358304	06/04/21 09:58	C1K	FGS SEA
Total/NA	Analysis	6020B		10	358452	06/04/21 21:28	FCW	FGS SEA

Lab Sample ID: 580-103508-49 Client Sample ID: P14-S-103-21-2021

Date Collected: 06/01/21 15:45 Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:53	HDG	FGS SEA

**Matrix: Solid** 

Matrix: Solid

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Client Sample ID: P14-S-103-21-2021

Date Collected: 06/01/21 15:45

Date Received: 06/02/21 15:45

Lab Sample ID: 580-103508-49

**Matrix: Solid** 

Percent Solids: 92.6

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358304	06/04/21 09:58	C1K	FGS SEA
Total/NA	Analysis	6020B		10	358452	06/04/21 21:32	FCW	FGS SEA

Lab Sample ID: 580-103508-50 Client Sample ID: P14-S-104-12-2021

Date Collected: 06/01/21 15:40 Date Received: 06/02/21 15:45

Batch Dilution Batch Prepared Method Number or Analyzed Analyst **Prep Type** Type **Factor** Run Lab FGS SEA Total/NA Analysis 2540G 358178 06/03/21 09:53 HDG

Client Sample ID: P14-S-104-12-2021 Lab Sample ID: 580-103508-50

Date Collected: 06/01/21 15:40

**Matrix: Solid** Date Received: 06/02/21 15:45 Percent Solids: 90.3

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358304	06/04/21 09:58	C1K	FGS SEA
Total/NA	Analysis	6020B		10	358452	06/04/21 21:36	FCW	FGS SEA

Client Sample ID: P14-S-79-36-40-2021 Lab Sample ID: 580-103508-51

Date Collected: 06/01/21 11:17 **Matrix: Solid** 

Date Received: 06/02/21 15:45

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	2540G		1	358178	06/03/21 09:53	HDG	FGS SEA

Client Sample ID: P14-S-79-36-40-2021 Lab Sample ID: 580-103508-51

Date Collected: 06/01/21 11:17 Matrix: Solid Date Received: 06/02/21 15:45 Percent Solids: 86.0

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			358304	06/04/21 09:58	C1K	FGS SEA
Total/NA	Analysis	6020B		10	358452	06/04/21 21:39	FCW	FGS SEA

#### **Laboratory References:**

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

# **Accreditation/Certification Summary**

Client: Anchor QEA LLC Job ID: 580-103508-1

Project/Site: Parcel 14 Soil Investigation

#### **Laboratory: Eurofins FGS, Seattle**

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	C788	07-13-21
The following analyte	e are included in this rend	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for w
The following analytes	s are included in this repo	ort, but the laboratory is i	ior certified by the governing authority.	This list may include analytes for wi
the agency does not	•	ort, but the laboratory is i	iot certified by the governing authority.	This list may include analytes for wi
	•	Matrix	Analyte	This list may include analytes for wi
the agency does not o	offer certification.	•		This list may include analytes for wi

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# **Sample Summary**

Client: Anchor QEA LLC

Project/Site: Parcel 14 Soil Investigation

Job ID: 580-103508-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
580-103508-1	P14-S-41-18-24-2021	Solid	06/01/21 13:50	06/02/21 15:45	
580-103508-2	P14-S-66-18-24-2021	Solid	06/01/21 13:45	06/02/21 15:45	
580-103508-3	P14-S-67-18-24-2021	Solid	06/01/21 13:40	06/02/21 15:45	
580-103508-4	P14-S-71-21-2021	Solid	06/01/21 12:10	06/02/21 15:45	
580-103508-5	P14-S-68-27-2021	Solid	06/01/21 13:20	06/02/21 15:45	
580-103508-6	P14-S-69-27-2021	Solid	06/01/21 13:25	06/02/21 15:45	
580-103508-7	P14-S-70-21-2021	Solid	06/01/21 13:30	06/02/21 15:45	
580-103508-8	P14-S-72-21-2021	Solid	06/01/21 12:05	06/02/21 15:45	
580-103508-9	P14-S-73-21-2021	Solid	06/01/21 12:00	06/02/21 15:45	
580-103508-10	P14-S-74-21-2021	Solid	06/01/21 11:55	06/02/21 15:45	
580-103508-11	P14-S-75-21-2021	Solid	06/01/21 11:50	06/02/21 15:45	
580-103508-12	P14-S-76-21-2021	Solid	06/01/21 11:40	06/02/21 15:45	
580-103508-13	P14-S-77-18-2021	Solid	06/01/21 11:45	06/02/21 15:45	
580-103508-14	P14-S-78-5-10-2021	Solid	06/01/21 11:20	06/02/21 15:45	
580-103508-15	P14-S-78-18-24-2021	Solid	06/01/21 11:25	06/02/21 15:45	
580-103508-20	P14-S-80-5-10-2021	Solid	06/01/21 10:50	06/02/21 15:45	
580-103508-21	P14-S-80-18-24-2021	Solid	06/01/21 10:55	06/02/21 15:45	
580-103508-23	P14-S-82-21-2021	Solid	06/01/21 10:25	06/02/21 15:45	
580-103508-24	P14-S-83-21-2021	Solid	06/01/21 10:20	06/02/21 15:45	
580-103508-25	P14-S-84-12-2021	Solid	06/01/21 10:00	06/02/21 15:45	
580-103508-26	P14-S-86-12-2021	Solid	06/01/21 10:10	06/02/21 15:45	
580-103508-27	P14-S-87-12-2021	Solid	06/01/21 10:30	06/02/21 15:45	
580-103508-28	P14-S-88-15-2021	Solid	06/01/21 09:35	06/02/21 15:45	
580-103508-29	P14-S-89-15-2021	Solid	06/01/21 09:30	06/02/21 15:45	
580-103508-30	P14-S-91-15-2021	Solid	06/01/21 09:15	06/02/21 15:45	
580-103508-31	P14-S-93-15-2021	Solid	06/01/21 09:45	06/02/21 15:45	
580-103508-32	P14-S-94-15-2021	Solid	06/01/21 09:50	06/02/21 15:45	
580-103508-33	P14-S-95-15-2021	Solid	06/01/21 09:55	06/02/21 15:45	
580-103508-34	P14-S-96-18-2021	Solid	06/01/21 11:35	06/02/21 15:45	
580-103508-35	P14-S-97-5-10-2021	Solid	06/01/21 14:45	06/02/21 15:45	
580-103508-36	P14-S-97-18-24-2021	Solid	06/01/21 14:50	06/02/21 15:45	
580-103508-38	P14-S-98-5-15-2021	Solid	06/01/21 15:00	06/02/21 15:45	
580-103508-39	P14-S-98-242021	Solid	06/01/21 15:05	06/02/21 15:45	
580-103508-41	P14-S-99-5-10-2021	Solid	06/01/21 15:15	06/02/21 15:45	
580-103508-42	P14-S-99-18-24-2021	Solid	06/01/21 15:20	06/02/21 15:45	
580-103508-44	P14-S-100-5-10-2021	Solid	06/01/21 14:30	06/02/21 15:45	
580-103508-45	P14-S-100-18-24-2021	Solid	06/01/21 14:35	06/02/21 15:45	
580-103508-47	P14-S-101-15-2021	Solid		06/02/21 15:45	
580-103508-48	P14-S-102-15-2021	Solid		06/02/21 15:45	
580-103508-49	P14-S-103-21-2021	Solid		06/02/21 15:45	
580-103508-50	P14-S-104-12-2021	Solid		06/02/21 15:45	
580-103508-51	P14-S-79-36-40-2021	Solid		06/02/21 15:45	

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5755 8th Street East Tacoma, WA 98424

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**Chain of Custody Record** 

🔅 eurofins

COC No:

**Environment Testing** America

Phone: 253-922-2310 Fax: 425-420-9210	Comple				Lab F	M:						Carrie	r Tracki	g No(s)	:		COC No: 580-43604-1	3045	1
Oll Laformation	panipier:	5.511	neth			is, Nat	han A	4				State	of Origin				580-43604-1 Page:		
Client Information Client Contact:	Phone:		2879	150	E-Ma	ii: nan.Le	wie /A	Eurof	finset d	com		State	or Origin				Page 1 of 5		
Cindy Fields		106		DIVIGID:	IVALI	iai i.Le	wisce	_0.01									Job #.	10	3508
Company:				PWSID.						Analy	sis R	eques	ted			5/0/6/07			
Anchor QEA LLC	Due Date	Requeste	ed:					7			1011111	1818 B. B. B. B. B. B. B. B. B. B. B. B. B.	101111111		111		Preservation		
Address: 1201 3rd Ave Suite 2600	Due Duic		•														A - HCL B - NaOH		M - Hexane N - None
	TAT Req	uested (da															C - Zn Acetate	+	O - AsNaO2
City: Seattle			3 DAY	1				\ \									D - Nitric Acid		P - Na2O4S Q - Na2SO3
State, Zip:	Complia		t: A Yes			11		l					1919   1831   1  -    -	Bille i Bar			E - NaHSO4 F - MeOH		R - Na2S2O3
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206-903-3394(Tel)	WO#:					Z  _			1 1							10	J - Di Water		V - MCAA
Email: cfields@anchorgea.com						-  ž  ž									1 1	臺	K - EDTA L - EDA		W - pH 4-5 Z - other (specify)
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Parcel 14 Soil Investigation	580165 ssow#:					취임						1		Ì		8	Other:		
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	1			Sample Type	(W=water,		6020B			1						Nim	ĺ		
			Sample	(C=comp.	Szsolid, Ozwaste/oil,		6010D,								1 1	8	C	ial las	tructionalNate:
	Samo	le Date	Time	G=grab)	BT=Tissue, A=Alt	) <b>2</b> 2	609						2000 CO			- 15	Spec	iai iin	structions/Note:
Sample Identification	155				tion Code:	W	(N									_K		arzaguenas	
	<b>H.</b>	A .	12-0	6	Solid	П	*									11	().	Z .	<u>°</u> Unc: <u> მ,5°</u> -
214-5-41-18-24-2021	6-1	-21	1350	#1					+		+		t	i he	ım. ID:	1 1	11. 12 200		
014-5-66-18-24-2021 014-5-67-18-24-2021	ſ	1	1345	1	Solid		1							C00	ler Dsc:		<del>4 4 4</del>	-Fe	dEx:
0/4-2-00-11-04-00-0		<del> </del>	12 11 0		Solid		7	1					1 1	Paci	ang:				
014-5-67-18-24-2021		<u> </u>	1340	<del>                                     </del>		$\pm \pm$			+		+-+		+				_No	La	b Cour: her: <u>C/rd/s</u>
D14-5-67-18-24-702 195000				<b>                                     </b>	Solid	П	70	55			$\perp \perp$		$\bot$	Blue	· Ice(W	et) Dr	y, None	Ot	her: <u>⊆                                    </u>
		<u> </u>	1		Solid	$\mp$	7	क्र						,	, \	relepted ■	1		
P14-5-69-18-24-282182201		<b></b>				╁╂			+-+		+++					· · · · ·	11 0	വ	3. o 1 ma. 1.0
P14-8-70-18-24-262191101	-	1			Solid	П	¥	<b>₹</b> 5			$\perp$		1	'	herm.	ID:			<u> </u>
	-	1	1210		Solid		4	1			1				Cooler L	)sc:	1- 10/1		6 • Unc: 1.0
P14-5-71-21-2021		<u> </u>	1210	<del>                                     </del>	<del> </del>	╁╁	1	┪	+		+		1	1	'acking:	:	Exces /		UPS:
P14-5-68-27-2021		\	1320		Solid		*						1				(s)\'o_ <i>}</i>		Lab Cour:
MIGG 3 68- 27- 2001	_	1	<u> </u>		Solid		K				1	1		E	Blue Ice,	Wet,	Dry, None		Other:
p14-5-69-27-201		<b>.</b>	1325	+ +		++			+		1		$\dagger \Box \dagger$				· ·		
p14-5-70-21-2021	1	40	1330	<b>"</b>	Solid	$\perp \perp$	1						+ +						
700	6-1	.71	1205	G	Solid		1	.											
914-5-72-21-2021	10.1	- (1	16600		<u></u>		Samo	le Dis	sposa	I ( A fee	may	be asse	ssed i	fsamp	oles are	retain	ed longer ti	han 1	month)
	į			n and a	-l	ľ		Retu	rn To	Client	Ī	Disc	osal B	/ Lab		Arc	hive For		Months
Possible Hazard Identification  Non-Hazard Flammable Skin Irritant Po	oison B	Unk	nown	Radiologic	al a		Specia	al Insi	tructio	ns/QC I	Require	ments:							
Deliverable Requested: I, II, III, IV, Other (specify)	WIDA	er u	TA CH	voy fit	<u>up5</u>								11-14 -	d of Chi	oman*				
			Date:			Tim	ie:						wetho	d of Ship	princini.				Company
Empty Kit Relinquished by:	Date/Tir	me:	7		Company		Re	ceived	l by:		V.	- Jan		Da	ite/Time:	./2	121 1	545	)
Relinquished by: STEDHEN STATE	6-2	-21	/	<u>r</u>						one	-1-		<u> </u>		ite/Time:	· ~			Company
Relinguished by:	Date/Tir	me:			Company		Re	eceived	by:	,									
remindulation way.					Company		<del> </del>	eceived	i by:					Da	ite/Time:				Company
Relinquished by:	Date/Ti	ime:			Company		,,e	,,+	,.										
					<u> </u>	. 5, 15,	Co	ooler T	empera:	ure(s) °C	and Oth	er Remarl	ks:					yr fy	
Custody Seals Intact: Custody Seal No.:				14 424 4	. *1.7**.			33/3	教徒的	40000		uni Migili		e green			- 1250 CA		Ver: 11/01/2020
A Yes A No											_								¥ 61. 11.01/4020

5755 8th Street East Tacoma, WA 98424

# **Chain of Custody Record**

💸 eurofins

Environment Testing America

none: 253-922-2310 Fax: 425-420-9210	Sample		-		Lab Pl							C	arrier '	Trackir	ig No(s	):		i	COC NO: 580-43604-1:	3945.2	
lient Information	Sample .	Since	n			s, Nath	nan A					- 5	State of	Origin	:				Page:		
ent Contact:	Phone:	YALA "	2018	120128	Pt 3 Nath	an.Lev	vis@	Eurofin	set.c	om									Page 2 of 5 Job #:		13-2500
ndy Fields	<u> </u>	e e v	1	PWSID:						Anal	ysis	Redi	iesti	h				ľ	700 H.		103508
mpany: nchor QEA LLC							§ 1	T T	_	Allai	y 313	· · ·			T		1	T i	Preservation	Codes:	
dress:	Due Date	Requested	d:												ļ				A - HCL		- Hexane
201 3rd Ave Suite 2600	TAT Regu	ested (day	ys):							İ			ļ						B - NaOH C - Zn Acetate	0	- None - AsNaO2
ty: eattle		3	024										- 1						D - Nitric Acid E - NaHSO4		- Na2O4S - Na2SO3
ate, Zip:	Complian	•	: Δ Yes Δ	\ No												1			F - MeOH	R	- Na2S2O3
/A, 98101	PO#:									1			- 1						G - Amchlor H - Ascorbic Ad	cid T	- H2SO4 - TSP Dodecahydra
none: 06-903-3394(Tel)		se Order	Requested			2					ļ		Į		- [				I - Ice J - DI Water		- Acetone - MCAA
mail:	WO#:				:	ō 9							- 1	-					K - EDTA	W	V - pH 4-5 - other (specify)
fields@anchorqea.com	Project #:					8 3				ļ	ļ		ļ		ĺ	1		contain	L - EDA	4	Other (specify)
roject Name: arcel 14 Soil Investigation	580165					뷥				İ			- 1					623,235	Other:		
to:	SSOW#:					88		U <sub>3</sub>										ğ			
pacel 14		1		Comple	Matrix	Field Fillered Perform #S#	90	ARCHENE					1					Number	1		
ı				Sample Type	(Wawater.		6010D, 6020B	3			l							Ξ			
			Sample	(C≖comp,	Swsolid, Owwaste/off,	왕울	Ē	\$		ı	1		1	İ				Total	Speci	ial Inst	ructions/Note:
Sample Identification	Sampl	le Date	Time		BT=Tissue, A*A#		MCCCCCCC COMMISSION											X			
ample Identification.		$\leq$	25	a school of the second	ation Code:	M	(N		REAL PROPERTY.			10000000	elli (specialis)								
14-5-73-21-2021	6-1-	21	1200	<u>G</u>	Solid	11	٦					ļ		$\dashv$	-	-	+				
mu < -74 - 21 - 7071	1		1155	1_1	Solid	$\coprod$	X		_								+-	+	<b> </b>		
p14-5-74-21-2021 p14-5-75-21-2021			1150		Solid		K	·						_	-			-			
V19-5-43-21-2017			1140		Solid		*					<u> </u>		_	_	_	-	-			
P14-5-76-21-204			1145		Solid		f	;													
17-5-77-18-2021	-		1120	+1	Solid	TT	P														
p14-5-78-5-10-2021	_		1125	+1	Solid	11	*							[			ᆚ.				
1014-5-78-18-24-2021	- $+$ $ +$		<del></del>	+	Solid	††	+	x		$\neg \dagger$		$\top$				T					
014-5-78-30-36-2021	{		1130		Solid	╁╁	+	×			_	1		_							
DI4. 5.79 - 17-10 - 2071		-	1105	+		╂╂	+	7		-+	_	+	-		$\top$	1	1				
DI4. 5-79 - 18-24 - 2621	4		1110	4	Solid	++.	3			-	_	<del> </del>	-	$\dashv$	-	+	+			J	
DI4-5-79-30-36-2021	b-1	-31	1115	G	Solid	Щ,		<u> </u>	لبيا	1/46	20 173	v be :	25565	sed i	f san	ples	are r	etair	ned longer ti	han 1 r	nonth)
				1		l <sup>s</sup>	Samp	Returi				<u> </u>	Dispo	cal R	vlah	•		Arc	hive For		Months
Possible Hazard Identification  ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ F	oison B	Unk	nown	Radiologic	cal		Enaci	Return al Instr	n 10 i	ns/OC	Requ			30, 0							
Deliverable Requested: I, II, III, IV, Other (specify)						Ĺ	Speci	at mon	20110	1.0/ 0.4					od of SI	iemor	11,				
			Date:			Tim	e:					<i></i>	,	Metric						,	Company
Empty Kit Relinquished by:	Date/Ti	me:	17.2	216	Company		Re	eceived I	by:	ion	B		6		ا د	)ate/Ti	6/	2/	21 154	15	<u> </u>
Relinquished by: STEPHEN SMELL	Date/Ti	- 2.3	1 / N	145	Company		R	eceived	by:				7	)	ī	Date/T					Company
	Date/11		•												— <u> </u>	Date/T	me:				Company
Relinquished by:	1						l m														
Relinquished by:  Relinquished by:	Date/Ti	ime:			Company			eceived ooler Te										<del></del>			

5755 8th Street East

# **Chain of Custody Record**

💸 eurofins

Environment Testing America

Tacoma, WA 98424 Phone: 253-922-2310 Fax: 425-420-9210	Sampler: 5.5t	n esh -	,	Lao F	M: s, Nath	an A					Carrier	Trackin	g No(s)	:		5	OC №: 80-43604-1394	5.3
Client Information	Phone:	2 4 9 1	2.0	E-Ma	ik		-				State o	f Origin					age: Page 3 of 5	
Client Contact: Cindy Fields	Phone: 2062	87 71	PWSID:	Nath	an.Lev	/is@E	urofinse											03508
Company: Anchor QEA LLC						Т		_ Ana 	lysis	Req	uesi	eu	Т			P	reservation Cod	les:
Address:	Due Date Requeste	d:															A - HCL	M - Hexane N - None
1201 3rd Ave Suite 2600	TAT Requested (da	ys):															3 - NaOH C - Zn Acetate	O - AsNaO2
City: Seattle	3	MAN			Ш							1	1				D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3
State, Zip:	Compliance Project	t: A Yes	\ No		] [-							İ					F - MeOH G - Amchlor	R - Na2S2O3 S - H2SO4
WA, 98101  Phone:	PO#:	Desugator										1				1	H - Ascorbic Acid	T - TSP Dodecahydrate U - Acetone
206-903-3394(Tel)	Purchase Order	Requested			2 2											<b>23</b> .	I - Ice J - DI Water	V - MCAA
Email: cfields@anchorqea.com	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Sample (Yes or Sp. (Yes or No				-			ļ					K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Project Name:	Project #: 58016541											1				8  ,	Other:	
Parcel 14 Soil Investigation	SSOW#:																	
Site: PARGELLA		T	Т				23			1			1			Number of		
			Sample	Matrix (w-water.		6020B	S CHECK		1							ž		
		Sample	Type (C=comp,	S≃solid, Orwaste/o∜,		6010D,	4			1			ļ			Total	Special li	nstructions/Note:
a la la máisic ation	Sample Date	Time	G=grab)	BT=Thsue, ArAir		<ul> <li>Basiciós</li> </ul>	e									Ø		
Sample Identification	3	><		ation Code:	XX	N-		+++						900000	C CHEST STREET			
DI4- 5-80-5-10-2021	12-1-9	1050	۾ ا	Solid	Ц.	1		4-4	-	╂-	1			┪─	-			
p14-5-80-5-10-2021		1055		Solid	11-	×		4-4	-	-	-		-	-	╂			
014-5-80-30-36-2021		1100		Solid	Ц.	<del> </del> _	٩	1		-	-		-	╂-	┼			
P14-5-80-30-36-2021		10302		Solid	##	7		$\downarrow \rightarrow$	_		-	-		_	┼─			
		1025		Solid	11	7		11	-		<del> </del>				<u> </u>	H		
014-5-83-21-2021		1020		Solid	Ш	Y	<u> </u>		_		1			+-	┼			
C 011 12 7.01		1000		Solid	Ш	75							_	-	╁			
		LOVO		Solid		7									┼			
p14-5-85-12-2021		1030		Solid		7												
7 14-5-87-12-2021	-+	0435	4	Solid	$\prod$	4												
p14-5-88-15-2021	6-1-71	0930	G	Solid	11	4									<u> </u>			
9 14-5-89-15-2021	6-1-51	10 - 10			- s	ampl	e Dispo	sal ( A	fee m	ay be	asse	ssed i	f sam	pies a	re re	tain	ed longer than	1 month)
Possible Hazard Identification  Non-Hazard Flammable Skin Irritant	□ <sub>Poison B</sub> □ <sub>Unl</sub>	coowo	Radiologic	al			Return 1	o Client	t			sal B	y Lab			Arch	ive For	Months
Non-Hazard Flammable Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify)	POISON D				S	pecia	l instruc	tions/Q0	C Req	uirem	ents:							
		Date:			Tim	9:				/		Metho	d of Sh					
Empty Kit Relinquished by:	Date/Time:	<del></del>	<u></u>	Company		Rec	eived by:		4	٤/.	٠/٠	· /		ate/Tim	ie: /2	/2	1 1545	Company
Relinquished by: STEDYEN SENERY	6-2-7	<u> </u>	845	Company		Rec	eived by:	107		- ( *		<del>\S</del>	<u> </u>	ate/Tim		-		Company
Relinquished by:	<u> </u>			Company		Red	eived by:	·····					0	ate/Tim	ne:			Company
Refinquished by:	Date/Time:			33,	New York	- [		erature(s)	°C and	l Other	Remark	s:::::::::::::::::::::::::::::::::::::	sta Vitili	New Y				
Custody Seals Intact: Custody Seal No.:								ciaiule(S)	, call									Ver: 11/01/2020
Δ Yes Δ No	Programme and Artist	A constitution of the	Control of the Contro	Page 1	10 ol	113	3											Ver: 11/01/2020

-27

5755 8th Street East

# **Chain of Custody Record**

🐉 eurofins

Environment Testing America

Phone: 253-922-2310 Fax: 425-420-9210	Sampler: 5. 51	WHI	_		PM: wis, Nath	an A				Ca	arrier Tra	icking N	O(S):		COC No: 580-43604-1394	5.4
Client Information Client Contact:	Phone: 206	787	9/30		fail: than.Lew	is@F	urofins	et.com		St	ate of O	rigin:			Page: Page 4 of 5	
Cindy Fields Company:			PWSID:	Inc	ilian.com	13(4)	.a.o			Requ	ostori	I			Job #:	103508
Anchor QEA LLC	Due Date Requeste	ed:	<u></u>				T		alysis	Tedu		1 T			Preservation Cod	es:
Address: 1201 3rd Ave Suite 2600					41			11							A - HCL B - NaOH	M - Hexane N - None
City: Seattle	TAT Requested (da	3 DA	4												C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S
State, Zip: WA, 98101	Compliance Project	, -, -													E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
Phone:	PO#: Purchase Order	r Requeste	d												G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydr
206-903-3394(Tel) Email:	WO #:				- N - 2									. ا	I - Ice J - DI Water	U - Acetone V - MCAA
cfields@anchorqea.com Project Name:	Project #:														K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
Parcel 14 Soil Investigation	58016541 SSOW#:				and last		<i>i</i> "							contain	Other:	
Site: OARIER 14	30077#.						2							15 15		
		1	Sample	Matrix (w=water,		6010D, 6020B	をなっている									
		Sample	Type (C=comp,	Susplid, Ouwaste/oil,	星星	10D (	2							Total	Special Ir	structions/Note:
Sample Identification	Sample Date	Time		BT=Tisaue, A=/		Ö								寸気	Special ii	Structions
	Karini.	0915		Solid		70		area haleagan		2007/2004/00/2002		50 000 000 000				
p14-5-91-15-2021	1 6-1-21		4	Solid	++	<b>  •  </b>		+	$\dashv$	+	-	$\Box$				
p14-5-93-15-2021		0945	<del>                                     </del>	Solid	++-	70		+	-							
p14-5-94-15-2021		0950	<del> </del>		++	*				++	+	+	_			
p14-5- 95-15-7021		0955		Solid		<del>  </del>			_	+-+		+				
p14-5-96-18-2021		1135		Solid		1				1	_	++				
614.5-97-5-10-2021		1445		Solid		7		-		+		+				····
1014-5-97-18-24-2021		1450	11-	Solid		+				+	-	+				······································
1914-5-97-(8-24-2021 1914-5-98-5-10-2021		1453		Solid			X	_		-					<u> </u>	
1014-5-98-5-10-2021		1500	-	Solid		70				-		+				
p14 - 5-98-18-24-2521  p14 - 5-98-30-36-252	*	1505	•	Solid		*		_			-		_			
014-5-98-30-36-202	16-1-21	1510	ુ 6	Solid			<u>a</u>					1 16 22	nolos ar	o rotaii	ned longer than	month)
Possible nazaro identification			Radiologic	al	Sa			<b>sal ( A</b> To Clien			sesse: sposal			Arc	chive For	Months
Non-Hazard Flammable Skin Irritant Poliverable Requested: I, II, III, IV, Other (specify)	ison B — Unk	nown	Radiologic	21	Sp					irement		<u> </u>				
		Date:			Time:						Mel	thod of S	hipment:			
Empty Kit Relinquished by:	Date/Time:	<del>'                                    </del>		Company		Rece	ived by:	7.12	n S	ſ,		$\supset$	Date/Time	/2/2	EI 1545	Company
STOPHON SMUTTE	Date/Time:	/ [5]	もつ	Company		Rece	ived by:		7	<u> </u>	े		Date/Time		<u>~</u>	Company
Relinquished by:				Company		Rece	ived by:						Date/Time			Company
Relinquished by:	Date/Time:			Joinparty						=		. V 5, V 5 5 5	28.31.11	a gazane n		
Custody Seals Intact: Custody Seal No.:		HANN.				Coole	er Temp	erature(s)	°C and C	ther Rem	arks.					Ver: 11/01/2020

Ver: 11/01/2020 6/7/2021

5755 8th Street East Tacoma, WA 98424

# **Chain of Custody Record**

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**Environment Testing** America

Client Information	Sample 5. 57	nette			PM: wis, Natl	han A				C	arrier Tra	acking N	lo(s):			COC No: 580-43604-1394	15.5
lient Contact: Sindy Fields	Phone		1136		fail: than.Lev	wis@E	urofinse	et.com	***	s	tate of O	rigin:				Page: Page 5 of 5	
ompany: nchor QEA LLC			PWSID:		T			***************************************	alysis	Regu	ested	 I				Job#:	103508
ddress: 201 3rd Ave Suite 2600	Due Date Reques	sted:						ΠÌ								Preservation Cod	les:
tly;	TAT Requested (	days):	***************************************		11											A - HCL B - NaOH	M - Hexane N - None
eattle late, Zip:		DAY					Ì									C - Zn Acetate D - Nitric Acid	0 - AsNaO2 P - Na2O4S
/A, 98101	Compliance Proje	ect: Δ Yes	A No		$\exists \bot$								f			E - NaHSO4 F - MeOH G - Amchlor	Q - Na2SO3 R - Na2S2O3 S - H2SO4
06-903-3394(Tet) mail:	Purchase Orde	er Requested	l		-[2]											H - Ascorbic Acid	T - TSP Dodecahydrate U - Acetone
fields@anchorgea.com	Project#:				e (Yes or No		-								8	J - DI Water K - EDTA	V - MCAA W - pH 4-5
oject Name: arcel 14 Soil Investigation	58016541					,	<b>\</b> .									L - EDA	Z - other (specify)
PARCEL 14	SSOW#:						2								8	Other:	
			Sample	Matrix		1208	Apoutry								eg u		
	TV-10-10-10-10-10-10-10-10-10-10-10-10-10-	Sample	Type (C≂comp,	(W≈water, S≈solid, O≕waste/oil,		60100, 60208	3		İ								
ample Identification	Sample Date	Time	THE PROPERTY OF THE PROPERTY OF	BT=Tksue, A=Ak	SE NEY. WEY	Φ	7								Total	Special In	structions/Note:
114-5-99-5-10-7021	6-1-21	1515	<u></u>	Solid	M	N K									M		
p14-5-99-5-10-7021 p14-5-99-18-24-2021	1	1520	1	Solid	$H^{-}$	×								1			***************************************
014-5-99-30-36-2071		1525		Solid	11	<del>-</del>	4				<b>-</b>		_		П		***************************************
14-5-100-5-10-2021		1430		Solid	<del>                                      </del>	×									П	<del></del>	
214-5-100-18-74-2021		1435		Solid		<b>)</b>									П	***************************************	
p14-5-100-30-36-2021		1440		Solid			مو									***************************************	
114-5-101-15-7021		1530		1		×								1			
014-5-102-15-2021		1535				λ											
014-5-103-21-2021		1545				γ											
D14-5-104-12-2021	+	1540	J			*											•
DN-5-79-36-40-2021	6-1-21	1117	4	J		X											
os sible Hazard Identification	on B Unkr		Radiologica	,	Sar		<mark>lisposal</mark> urn To (		e may l	be assi Disp	essed i	if sam	ples			<b>d longer than 1</b> ve For	
eliverable Requested: I. II. III, IV, Other (specify)	on B Unki	nown F	каріоюдіса.		Spe		urn ro c struction					y Lab			arcniv	e For	Months
mpty Kit Relinquished by:		Date:			Time:				,		Metho	od of Sh	pment				
slinguished by: STEPHEN STREHL	Date/Time: 4 - 2 - 21	154	<u> </u>	Company	4	Receive	d by:	To	R	1		D	ate/Tim	e: /	/2 1	1545	Company
slinquished by:	Date/Time:	( ' ' '	<i>y</i>	Company		Receive	d by:	lom	1 100	$\rightarrow$	<del>دند</del> ک	D	ate/Tim	<i>e j 🏎 j</i> e:	A.	1340	Company
										·····	·····		ate/Tim	<u> </u>			Company
linguished by:	Date/Time:			Company	- 1	Receive	d by:					U.	aten i an	e.			Company

Client: Anchor QEA LLC Job Number: 580-103508-1

Login Number: 103508 List Source: Eurofins FGS, Seattle

List Number: 1

Creator: Blankinship, Tom X

oreator. Dialikinship, 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	
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

**Eurofins FGS, Seattle**