Attachment 2:
Sampling Analysis Plan and Results

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US Army Corps of Engineers
Alaska District

Sampling and Analysis Plan

Homer Navigation Improvements Feasibility Study Dredged Material Characterization, Homer, Alaska

September 2025

Contents

Table of Figures

Sampling and Analysis Plan

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1. Introduction

This sampling and analysis plan (SAP) has been prepared by the Environmental Resources Section, Civil Works Project Management Branch of the Alaska District US Army Corps of Engineers (CEPOA-PMC-E). This plan outlines the procedures to be followed during a chemical and physical evaluation of existing sediments within the proposed Homer Navigation Improvements dredging footprint.

2. Project Background

2.1. Location

Homer Harbor is part of The City of Homer and located on the north shore of Kachemak Bay on the southwestern edge of the Kenai Peninsula in Alaska (Figure 1, Figure 2). It is 227 miles by road south of Anchorage at the southernmost point of the Sterling Highway at approximately 59° 38' north latitude and 151° 33' west longitude. Homer is in the Homer Recording District and hosts a population of 5,522 as of 2020. It is accessible via air, road, and water year-round and is the economic center of the southern Kenai Peninsula. It is the southernmost town on Alaska's contiguous highway system and part of the Alaska Marine Highway, a ferry service that operates along the south-central coast of the state. The Port of Homer is located at the end of the Homer Spit (Figure 3), a narrow promontory of land demarcating Kachemak Bay from Cook Inlet.

2.2. Purpose

The Alaska District is investigating navigation improvements that would provide safe, reliable and efficient waterborne transportation systems and moorage to support Homer's current and future fleet. This study is utilizing the authority of Section 2006 of WRDA 2007, Remote and Subsistence Harbors, as amended. Section 2006 states:

> *The Secretary [of the Army] may recommend a project without the need to demonstrate that the project is justified solely by national economic development benefits if […] the project would be located in the State of Hawaii or Alaska […] and over 80 percent of the goods transported through the harbor would be consumed within the United States.*

The implementation of any of the structural alternatives under consideration would include dredging and dredged material management to create adequate depths for the

design vessel. Dredging would excavate material down to -26’ mean lower low water (MLLW) for the entrance channel, -24’ MLLW for the fairway, and -20’ MLLW or -15’ MLLW for the mooring area. USACE must characterize the dredged material to be excavated and managed to complete the cost estimate and environmental analysis needed for the feasibility study. The feasibility study currently assumes the dredged material is suitable for unconfined aquatic placement as the least costly environmentally acceptable management option

2.3. Past Sampling

Two key historical studies/data include:

- NOAA, 2009, Sediment Quality Triad Assessment in Kachemak Bay: Characterization of Soft Bottom Benthic Habitats and Contaminant Bioeffects Assessment
- Historical Homer Harbor Maintenance Dredging Sampling (most recent sampling events were conducted by USACE in 2019).

Past sampling activities have identified concentrations of metals, polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and butyl tin exceeding applicable screening levels.

Most recently (spring 2019 sampling efforts) harbor samples containing diesel range organics (DRO), selenium and arsenic were all detected at concentrations exceeding ADEC Soil Cleanup screening levels. DRO and selenium results appeared to be artifacts of non-sediment materials being present in the sediment and analyzed by the lab (coal and brass respectively). Arsenic (a naturally occurring metal) was present in all samples at concentrations exceeding ADEC criteria. However, all results were within natural background considering they are similar to the concentrations of other samples throughout Kachemak Bay. There is potential that selenium/arsenic levels are impacted by potential presence of rare earth metals (note: no data indicating such) if the method for analysis included use of inductively Coupled Plasma Mass Spectrometry (ICP-MS). The 2019 method of testing metal concentrations were the same methods used to test metal concentrations for Dillingham Small Boat Harbor in 2022 sampling efforts, which reflected heightened selenium concentrations due to rare earth metals. This should be considered when reviewing results of analysis for selenium.

In-water placement for beach nourishment was evaluated as well in 2019 and results were compared to screening levels in the Sediment Evaluation Framework for the Pacific Northwest (SEF). Zinc was the only analyte detected at a concentration above the screening level. The presence of this metal is attributed to the brass that was likely present in the sample and is not representative of metals contamination. It was recommended that if in water placement became the preferred alternative, additional

sampling for ammonia, total volatile solids and tributyltin should be performed during the fall sampling event to characterize the Z-layer.

In 2019 fall sampling efforts, samples showed no indication that analytes were detected above SEF screening criteria in Z-layer samples taken. There were exceedances of ADEC levels, and except for Arsenic levels, other exceedances were flagged and attributed to false positive/contamination of samples. The arsenic levels were consistent with those throughout Kachemak Bay and assessed naturally occurring. There is also a lack of arsenic-source(s). Ammonia, total volatile solids and TBT analysis were conducted in this sampling effort.

3. Project Organization

The parties responsible for performing each of the following sequence of steps required to successfully complete this investigation are summarized as follows:

- The Homer Navigation Improvements Project Delivery Team (PDT) determined that characterization of the dredged material is necessary to evaluate the parameters and impacts of dredged material management.
- The Environmental Resources Section (CEPOA-PMC-E) is responsible for the development of a Sampling and Analysis Plan (SAP) in accordance with the draft Alaska Dredged Material Evaluation Framework (ADMEF). The Dredged Materials Evaluation and Disposal Procedures User Manual (USACE 2021), commonly referred to simply as the “User Manual”, was also considered during the preparation of this SAP.
- All laboratories will submit data directly to the Environmental Engineering (CEPOA-ECE) chemist who is responsible for assuring that all results are received within the normal turnaround time period and that all aspects of quality control are properly performed.
- The Environmental Resources section will review the concentrations of CoCs in the dredged material and assimilate the data into the alternative development prior to finalization of the Integrated Feasibility Report.

4. Sampling and Analysis Strategy

4.1. Purpose of the Sampling

The purpose of sampling is to determine if the sediments to be dredged are suitable for unconfined aquatic placement. The Alaska District applies the draft Alaska Dredged Material Evaluation Framework (ADMEF), which is based on the Dredged Material Evaluation and Disposal Procedures (DMEDP) “User Manual”, to the evaluation of dredging projects with in-water placement options (DMMO, 2021).

The proposed Homer Port Expansion is adjacent to the existing Homer Small Boat Harbor and proximal to the Homer Marine Repair and Salvage Facility. There are many existing sources of potential anthropogenic contamination in the area and the proposed dredged material is believed to contain a significant volume of silt, which is likely to bind to contaminants. The Port Expansion would be constructed on the leeward side of the Homer Spit, so it would be protected from large waves originating in the Gulf of Alaska or Lower Cook Inlet. There is no basis for considering an exemption from testing. The existing Homer Harbor is ranked “Moderate” in accordance with the ADMEF and the Port Expansion sediment is also tentatively ranked Moderate based on the lack of sediment quality data, proximity to sources, grain size, and low level of energy exposure.

The sampling activities conducted during the feasibility study are constrained by the limitations of the geotechnical investigation and so are not intended to conform with the sampling intensity standards of the ADMEF. The intent of the feasibility-level investigation is to reduce risk and provide information for the next phase of the study, which is expected to include a more robust geotechnical investigation and allow for an ADMEF-compliant sampling program.

The testing of Homer Port Expansion dredged material will be limited to samples collected from a maximum of four borehole locations and one intertidal location. USACE will make every practical effort to adjust the borehole locations to appropriately characterize the dredged material in the turning basin and entrance channel by attempting to site two boreholes in each general navigation feature, but geotechnical data collection requirements and environmental conditions such as wave energy and shallow water may cause deviations.

4.2. Scope of Sample Collection

Samples should be collected from four borehole locations within the dredged features (entrance channel and turning basin), plus a surface sample from the intertidal area near the marine salvage and repair facility, for a combined total of up to five locations. Preliminary determinations regarding the relevant borehole locations to be sampled indicate boreholes 1, 2, 3, and 8 would include the dredged material associated with the current array of alternatives and would provide the most valuable date. The relevant borehole locations and preliminary sampling stations are shown in Figure 4 and Table 1. The final decision regarding which borehole locations will be chemically sampled will be made prior to mobilization based on the current understanding of where each borehole is located with respect to the general navigation features under consideration at the time.

The samples will be analyzed discretely (i.e., not composite sampled) and samples will only be collected from sediments within the project depth. Three samples may be

collected from each of the four boreholes; one representing the surface material and up to two representing differing types of buried material; i.e., if the sediment profile above the project depth consists of a layer of silt over layers of sand and clay, a sample should be collected from each of the three layers above project depth.

The field crew will determine the appropriate depth to sample based on the observed physical characteristics at the time of sample collection. In general, sediment samples for chemical analysis should be collected from each distinct sediment formation above the project depth greater than one foot thick. Sediment is sand, silt or clay settled or deposited under a water body. Sand is material between 62.5 and 2,000 microns, so material greater than 2,000 microns is not considered sediment for the purpose of this sampling and analysis plan. Gravel, cobble, boulder, breccia, bedrock, etc are not required to be sampled. An example scenario where the mudline is six feet below mean lower low water (-6' MLLW) follows and is visualized in Figure 5:

a. Sand layer two feet thick. Collect sample for chemical analysis because the layer is sediment and greater than one foot thick.
b. Boulder layer four feet thick. Do not sample because the matrix of this layer is mostly rock. Sand in the interstices is presumably associated with the overlying stratum.
c. Sand layer less than one foot thick. Do not sample because the layer is less than one foot thick.
d. Breccia layer five feet thick. Do not sample because the layer is consolidated and mostly rock.
e. Sand layer three feet thick. Collect sample because the layer is sediment and greater than one foot thick.

The decision to collect a sample must be made in the field prior to the availability of laboratory grain size data. Best professional judgement will be used to determine the composition of the strata in the field; i.e., whether a stratum is composed of sediment or rock. If the field crew decides not to collect a sample from a given stratum, the rationale for that decision must be documented in the field notes. If the field crew is in doubt regarding whether a sample should be collected from a stratum, the crew should either:

a. Contact the USACE before proceeding or,
b. Collect the sample and notify the USACE of the uncertainty by email within 24-hours. USACE POCs will decide whether the sample should be analyzed or discarded.

4.3. Scope of Analytical Methods

Each sample will be analyzed for the following parameters, using the recommended analytical methods listed in table 8-3, and Section 8.3 of the ADMEF. If the

recommended analytical methods are not used, a statement explaining the rationale for deviation should be provided by the entity responsible for the deviation.

4.3.1. Recommended Analytical Methods for Standard COCs (ADMEF Table 8-3)

- Metals, total:
  - Antimony (EPA 6010/6020)
  - Arsenic (EPA 6010/6020)
  - Cadmium (EPA 6010/6020)
  - Chromium (EPA 6010/6020)
  - Copper (EPA 6010/6020)
  - Lead (EPA 6010/6020)
  - Silver (EPA 6010/6020)
  - Zinc (EPA 6010/6020)
  - Selenium (EPA 6020/7740/7742)
  - Mercury (EPA 7471/6020Mod)
- Polyaromatic Hydrocarbons (PAHs) (EPA 8270)
- Chlorinated Hydrocarbons:
  - 1,2-Dichlorobenzene (EPA 8560/8270)
  - 1,4-Dichlorobenzene (EPA 8560/8270)
  - 1,2,4-Trichlorobenzene (EPA 8560/8270)
  - Hexachlorobutadiene (EPA 8270/8081)
- Phthalates (EPA 8270)
- Phenols (EPA 8270)
- Miscellaneous Extractables:
  - Benzyl alcohol (EPA 8270)
  - Benzoic acid (EPA 8270)
  - Dibenzofuran ((EPA 8270)
  - N-Nitrosophenylamine (EPA 8270)
  - Hexachlorobutadiene (EPA 8270/8081)
- Pesticides (EPA 8081)
- PCB Aroclors (EPA 8082)
- Petroleum Hydrocarbons
  - Gasoline range organics (AK101)
  - Diesel range organics (AK102)
  - Residual range organics (AK103)

4.3.2. Recommended Analytical Methods for Special Contaminants of Concern (ADMEF Section 8.3)

- Tributyltin (PSEP 1997)

5. Sediment Sampling

5.1. Sampling Equipment

The major equipment required to accomplish this sampling effort are listed below:

- nitrile gloves
- sample containers
- stainless steel spoons
- zip top plastic bags
- Liquinox soap and buckets
- paper towels
- brushes

5.2. Sampling Procedures

Sampling of the project sediments will be accomplished using the following procedure:

- Water depth and the real-time tidal stage will be measured at the time of sampling at each station. Water depth will be measured to the nearest 1/10th foot.
- Sediment will be collected using the geotechnical coring device.
- The split spoon will be opened and the sediment or soil core will be photographed with a measuring stick or tape for scale. The measuring device will be placed alongside the core sample, measuring down from the top of the core.
- The following protocol will be followed to collect analytical samples from the core:
    1. Determine whether the core sample contains material meeting the chemical sampling criteria:
        a. If the core sampler does contain material meeting the criteria for chemical sample collection, note the rationale for electing not to collect a sample and proceed to the next core sample.
        b. If the core sampler does contain material meeting the chemical sampling criteria, describe the rationale for electing to collect a sample and move to step 2
    2. Fill two lab provided sample jars from sediment core using stainless steel spoon, noting:

        a. Name/Initials of collector
        b. Sample Number
        c. Collected Date and Time
        d. Analytical Method
        e. Matrix
        f. Preservative
        g. Horizontal location
    3. Place primary sample in cooler.
    4. Fill one septimated lab provided sample jar from sediment core for GRO analysis using stainless steel spoon, noting:
        a. Name/Initials of collector
        b. Sample Number
        c. Collected Date and Time
        d. Analytical Method
        e. Matrix
        f. Preservative
        g. Horizontal location
    5. Preserve sample with methanol.
    6. Place sample in cooler.
    7. Proceed to next vertical core sample section above the project depth for the respective navigation feature (entrance channel or turning basin) and repeat steps 1-6.
    8. Proceed to the next borehole location within the dredging limits and repeat steps 1-7.
- Collect QA duplicates and matrix spike duplicates from sample locations with adequate volumes of sediment for all required analyses, including geotechnical analyses.
- Immediately after filling, the sample containers will be placed into a cooler with sufficient ice to maintain the samples at 0-6°C.
- Once the samples have been collected and properly stored, the sampler will be washed with water from the site until no more sediment adheres to the device.
- A rinsate blank will not be collected unless sheen or other obvious sign of contamination is observed during sample collection or sampler washing.

5.3. Sampling Logs

As sediment is collected, sampling/field logs must be completed. The following should be included in the log:

- Date and time of collection of each sediment sample.
- Map of the harbor and sample locations.

- Names of field supervisors and person(s) collecting and logging in the sample.
- Weather conditions.
- The sample station number.
- Notation of any resistance during collection
- Depth of refusal
- The outcome of each sampling attempt – either ‘accepted’ or ‘discarded’.
- The measured water depth at each sampling station and the real-time tidal stage at the time of sampling at each station. The mudline elevation, referenced to MLLW, must then be calculated by subtracting the tidal stage from the measured water depth. The method/procedure used to determine the real-time tidal stage should be documented in the log. Real time mudline calculations must be in the sampling log, referencing the appropriate datum.
- Physical sediment description, including type, density, color, consistency, odor, vegetation, debris, biological activity, presence of an oil sheen, or any other distinguishing characteristics or features.
- Photo of each sample taken when in the split spoon. Each photo will include a notation that includes date, time, sample station number.
- Any deviation from the approved sampling plan.

5.4. Sample Preservation, Containers, and Holding Times

The sample containers, preservation methods, and holding times discussed in Sections 7.4.9 of the ADMEF will be observed. In general, the maximum sample hold times will be controlled by the 14-day hold time associated with semi-volatiles, pesticides, PCBs, and TPH.

5.5. Sample Identification and Labeling

Each sample must be sealed in a labeled container immediately after it is collected. Labels may be filled out, firmly affixed to the container and covered with clear tape prior to collection to minimize handling of the sample containers. The labels will include (at a minimum) the following information:

- Name/Initials of collector
- Sample Number
- Collected Date and Time
- Analytical Method
- Matrix
- Preservative

The Corps of Engineers sample numbering system will be used for all samples. The first two digits represent the fiscal year: 25. If the drilling schedule causes the sampling start after September 30th, the first two digits will be “26” for fiscal year 2026. The next three letters represent the specific site designation for the project: HOM, for “Homer”. This will be followed by a dash (-), then followed by “CW” for “Civil Works”; followed by the sequential borehole location number (i.e. 01 through 08); followed by “SD” for “sediment”; and finally a dash preceding vertical position identifier (i.e. 01, 02, or 03 for each layer encountered in a borehole). For example: 25HOM-CW01SD-01 representing the surface sample from borehole location #1. Duplicate samples will be submitted blind to the lab using a false vertical position identifier (e.g., 25HOM-CW01SD-04).

5.6. Sample Packing and Shipping

Samples will be shipped to the analytical laboratory with sufficient time allowed for the laboratory to extract the sample within the holding time requirements of the test method. Samples will be shipped to the laboratories using the fastest delivery possible and packaged according to the Department of Transportation (DOT) regulations. Samples will be packed and shipped according to the following specifications:

- Wrap each jar in bubble wrap or other cushioning material (e.g., foam blocks or sleeves) and then individually seal jars in plastic bags labeled with the sample number to keep jars separate and prevent breakage.
- Place the jars upright inside waterproof plastic coolers.
- Insert break-proof artificial ice packs around, among, and on top of the jars to maintain a sample temperature around 4 degrees Celsius.
- Place paperwork (chain of custody record, appropriate field notes and return address labels for the coolers) in a waterproof plastic bag and taped to the inside of the cooler.
- Secure the lid of the cooler and drain (if present) with tape. Wrap the cooler with strapping tape at a minimum of two locations, without obscuring any labels.
- Affix the completed shipping label to the top of the cooler.
- Adhere dated and signed custody seals to front right and back left of cooler to prevent accidental opening.
- Notify the analytical laboratory prior to shipment of any known or suspected highly contaminated samples; these samples will be stored separately from less contaminated samples to minimize the potential for cross-contamination.

5.7. Equipment Decontamination

Dedicated or single-use disposable sampling equipment (sampling spoons) will be used to the extent possible. Non-disposable sample handling equipment, such as hand trowel or shovels, will be wiped free of adhering soil with a new paper towel and rinsed with

seawater prior to moving to the next sampling point. Non-disposable sampling equipment will be decontaminated at the end of the sampling effort. All sampling equipment that potentially encountered contaminants, including split spoon samplers, will be decontaminated before each use to prevent cross contamination as well. The decontamination procedure consists of the following steps:

- Clean equipment using a non-ionic detergent and a brush to remove particulate matter or surface films
- Perform a double potable water rinse
- Allow equipment to air dry
- Package or otherwise prevent equipment from coming into contact with contaminated materials

Disposable sampling equipment will not be decontaminated since it arrives clean and factory-sealed and is used only for a single sample collection. The analytical laboratory will provide pre-cleaned sample containers.

5.8. Investigation Derived Waste

Single-use sampling equipment and trash (paper towels, etc.) will be disposed of appropriately as ordinary solid waste.

6. Data Quality Management

The following steps will be followed to assure adequate quality of data:

6.1. Laboratories

The primary laboratory must hold a current Department of Defense (DOD) Environmental Laboratory Accreditation Program (ELAP) approval and be approved by the State of Alaska to perform the relevant analyses. The laboratory will inspect each cooler of samples received to ensure that proper packaging; labeling and preservation practices were followed and will document and report any discrepancies.

6.2. Field Duplicate Samples

Two quality control field duplicate samples will be collected from the overall project sediment. This frequency meets the ADEC recommend rate of 10% duplicates for each analytical chemical method and each matrix sampled.

6.3. Matrix Spike/Matrix Duplicates

Matrix spikes and matrix spike duplicates will be collected at a frequency of at least one per twenty samples, with at least one collected per sediment type (e.g., sand, silt, clay, etc).

6.4. Analytical Data Quality Objectives

The analytical data quality objectives (DQOs) for sensitivity are based upon expected use of the data: comparison to the project screening levels presented in the ADMEF.

Laboratory reporting limits will be at or below project screening levels where technically feasible. Site-specific DQOs for accuracy or precision have not been developed for this project; therefore, the default limits in the QSM (DoD 2021) and Alaska Methodologies (18 AAC 75) will apply.

7. References

- Alaska Department of Environmental Consideration (ADEC). 2018. Guidance for Evaluating Metals at Contaminated Sites. August 2018.
- Dredged Material Management Office (DMMO). 2021. Dredged Material Evaluation and Disposal Procedures User Manual. Dredged Material Management Office, U.S. Army Corps of Engineers, Seattle District. July 2021.
- EPA, 1980. 40 CFR Part 230 Section 404(b)(1) Guidelines for Specification of Disposal Sites for Dredged or Fill Material, Environmental Protection Agency, December 1980.
- Gough, L.P., Severson, R.C., and Shacklette, H.T., 1988. Element Concentrations in Soils and Other Surficial Materials of Alaska. U.S. Geological Survey Professional Paper 1458. 53 p.
- EPA/USACE. 1998. Evaluation of dredged material proposed for discharge in waters of the U.S. – Testing manual. EPA-823-B-98-004, Washington, D.C
- Northwest Regional Sediment Evaluation Team (RSET). 2018. Sediment Evaluation Framework for the Pacific Northwest. Prepared by the RSET Agencies, May 2018, 183 pp plus appendices

Figures and Tables

Figure 1. Homer, Alaska location map

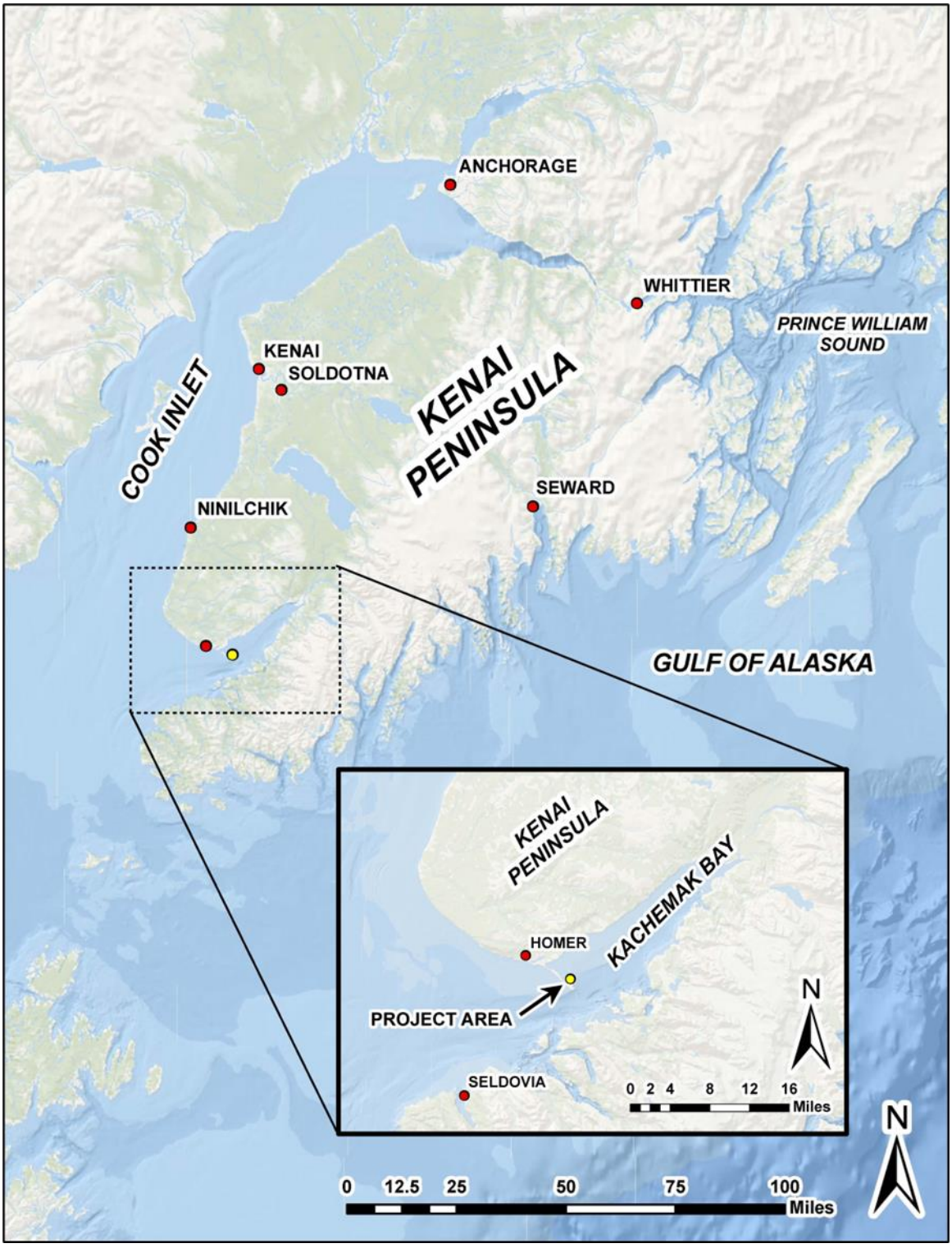

Figure 2. Homer and Kenai Peninsula map

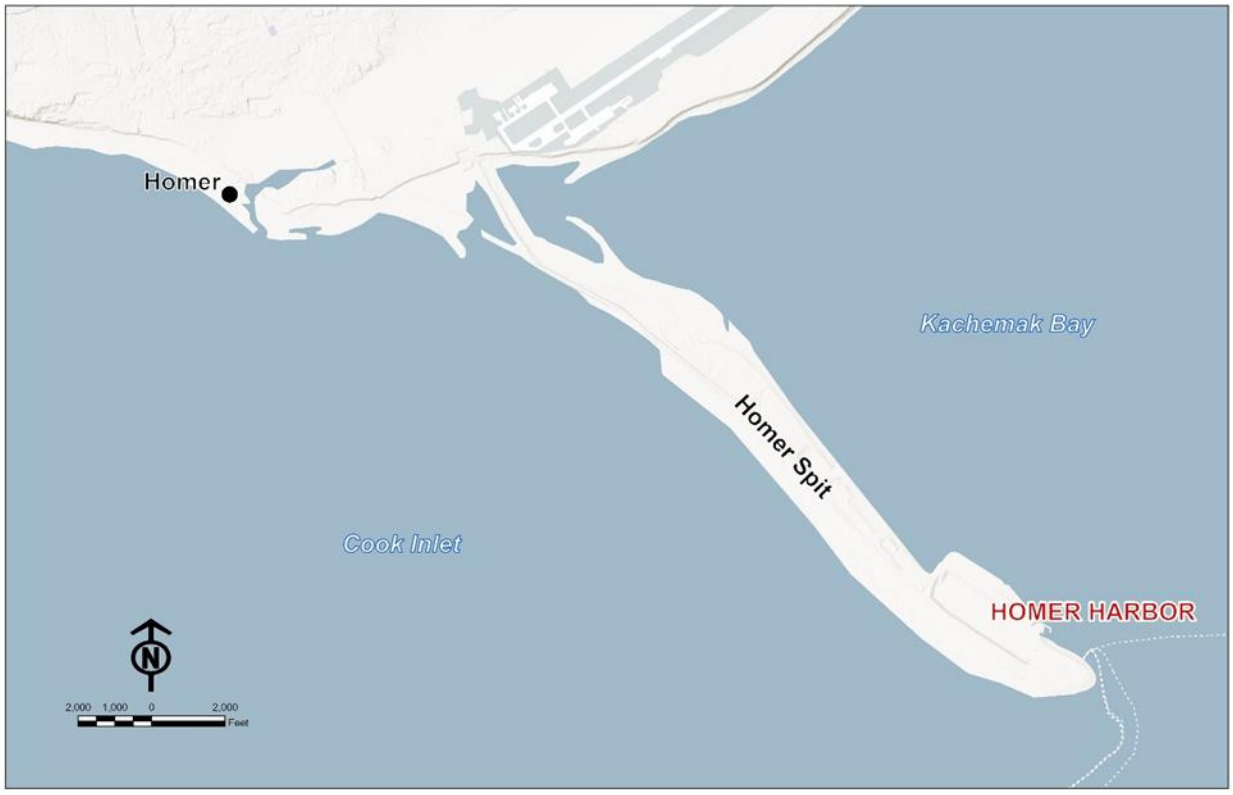

Figure 3. Homer Spit and existing small boat harbor.

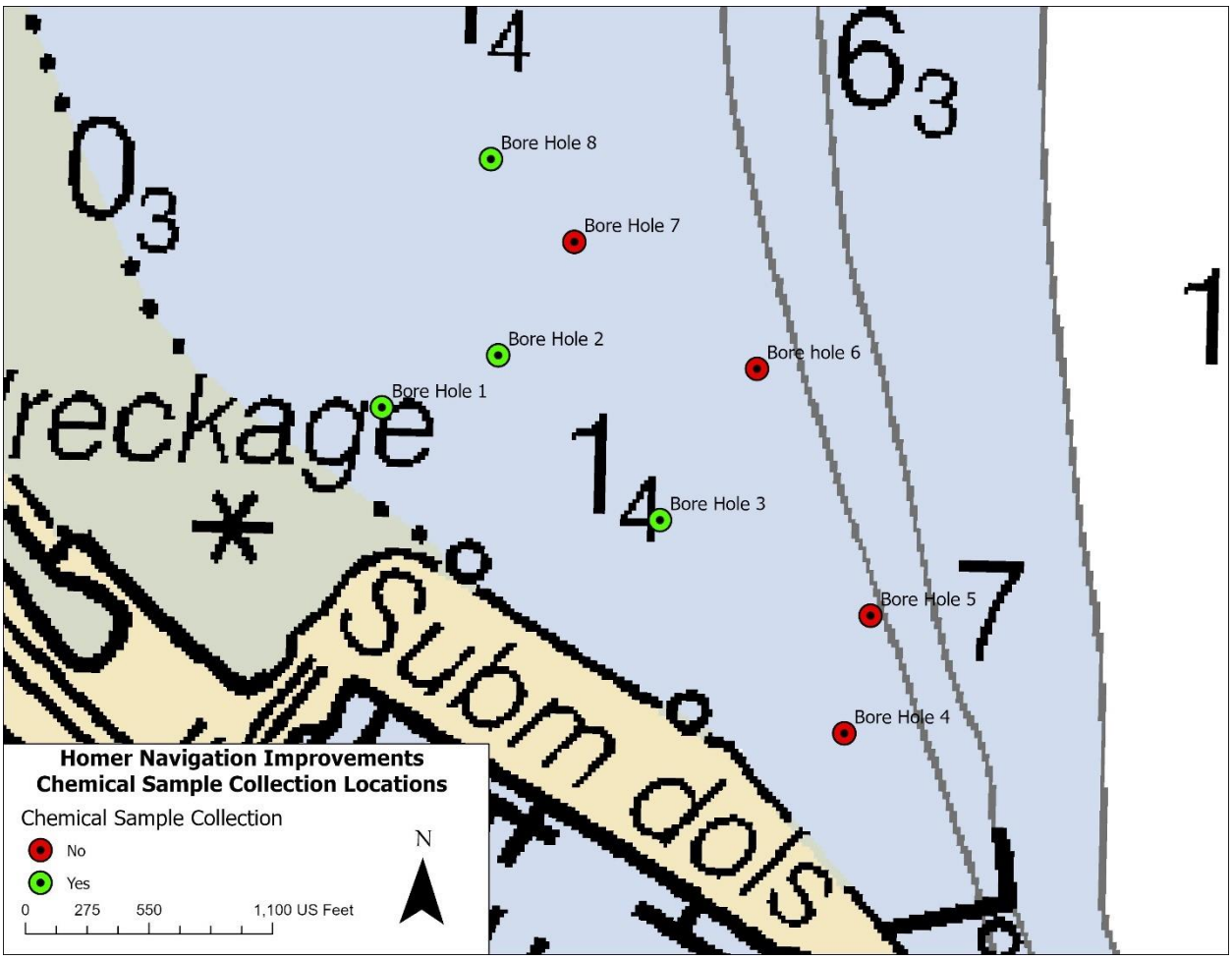

Figure 4. Geotechnical investigation borehole locations relevant to the characterization of dredged material

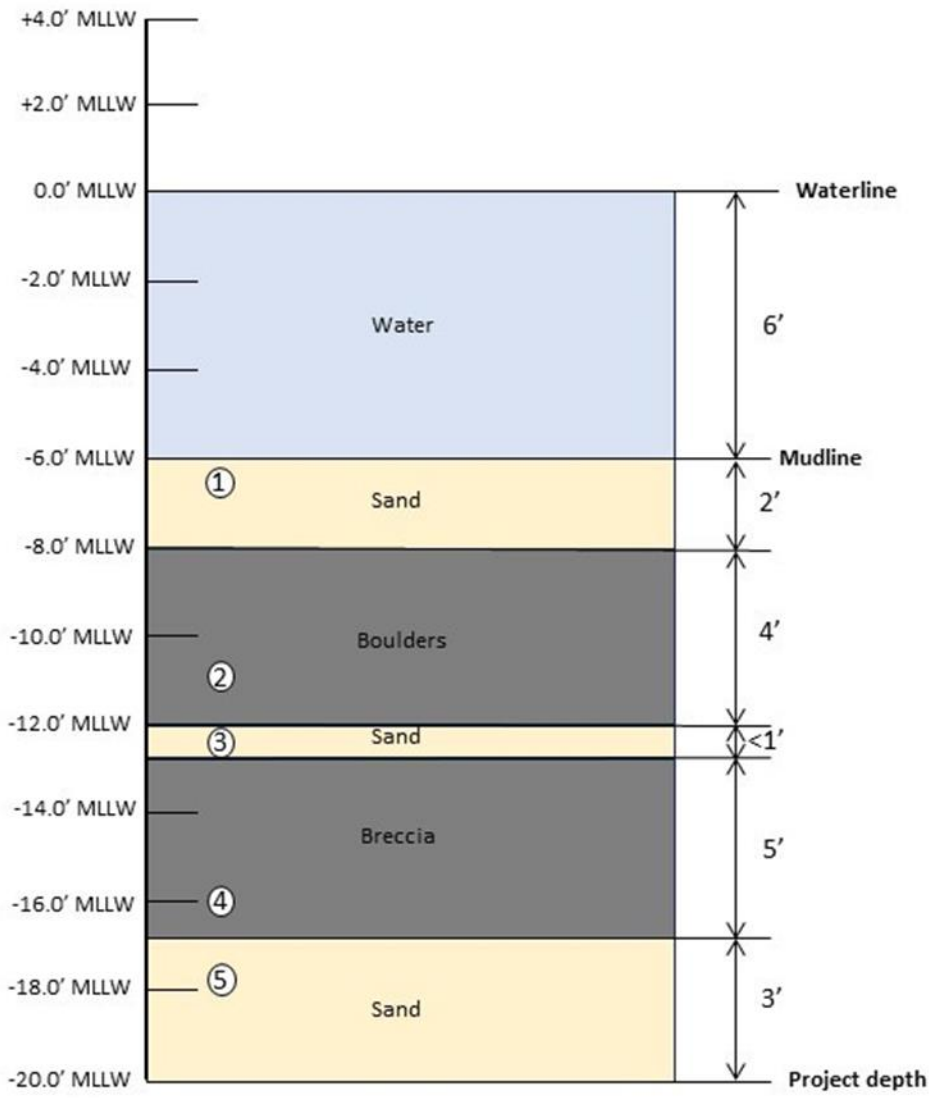

Figure 5. Example chemical sample collections section view diagram

Table 1. Borehole locations, depth, and preliminary determination regarding chemical relevance

Point	Easting (ft)	Northing (ft)	Elevation (ft)	Depth	Longitude	Latitude	Chemical Sample
Bore Hole 1	2052799.855	1375649.472	-7	80ft	-151.429752	59.611627	Yes
Bore Hole 2	2053031.104	1376167.519	-9	80ft	-151.426982	59.61229	Yes
Bore Hole 3	2052298.727	1376887.798	-10.5	20ft	-151.423009	59.610328	Yes
Bore Hole 4	2051351.092	1377708.303	-11	80ft	-151.418471	59.607784	No
Bore Hole 5	2051874.169	1377825.069	-16.5	80ft	-151.417901	59.609222	No
Bore hole 6	2052971.079	1377319.767	-15	80ft	-151.420755	59.612193	No
Bore Hole 7	2053535.138	1376506.431	-11	80ft	-151.425211	59.613688	No
Bore Hole 8	2053902.962	1376135.073	-10	20ft	-151.427258	59.614672	Yes

INCH

TACOMA, WA, USA
— EST. 1916 —
Rite in the Rain®
— DEFYING MOTHER NATURE —

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Address _____

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Phone _____

Project _____

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CONTENTS

PAGE	REFERENCE	DATE
	HOMER NAV IMPROVEMENT	
	CHEMICAL SAMPLING	
	FN CONJ W GEOTECH INVEST	
	CHRIS FLOYD	
	7-11 OCT 2025	
	LAB PROJ # 25-056	

HOMER NAV IMPRO

7 OCT 2025

~~ELECTRICAL CAMERA SURVEY~~
OF 1 ~~frame per second~~ SURVEY

ARRIVE HOMER HBR 0630
MEET SETH FROM STW

0657 DRILLERS NOT ARRIVED

0730 Back to room

1130 Back to harbor

1141 board landing craft with Seth

1155 Leave harbor, head for boring 8

Conditions: Ptly Cloudy, light breeze, 49°F, ~~sea calm~~

Scale: 1 square = _____

7 OCT 2025

1213 Arrive boring 8 both using hand-held GPS

1220 Release anchor..

1232 Still maneuvering Swell kicking up

1251 2 anchors out, still maneuvering

1257 in position

1310 Drillers working on another problem

1322 water depth 30ft, tide rising

1335 waiting for tide to settle before starting drilling

1508 start drilling BH 8

1511 1st sample gray muck spoon pressed into mud like 24" full spoon gravel towards bottom

Scale: 1 square = _____

7 OCT 2025

1515 BH2

Sample 81 3 jars

1542 second drive 7.2 - 9.2
problems w heave
more gray silt w sand
short sample - give to geotech

1609 third drive ~15-17
more heave - spoon capped
& reserved by geotech

1615 fourth drive 17.8 - 19.2
Sample 82 3 jars
Stiff gray silt

mechanical problems
Head back to harbor for crew
change ~ 1830

8 OCT 2025 HOMER NAV

1911 - head out to BH2
conditions - overcast, light wind
seas calm

1920 - arrive at general location
of BH2

1945 on station @ BH2

Drillers going back to harbor
for some reason

2025 Drillers return
much pissing around
lights go out & back on again

2147 getting ready to take a
sample?

2155 Sample retrieved

8 OCT 2025

B-2

2200

Sample 21, 20 (acdvp)

5ft sleeve partly filled with dark gray silt, scattered gravel

Sample collected from top 24"

2311 - Drillers broke something

9 OCT 2025

0020 - sample arrives

5ft sleeve partly filled with stiff dark gray silt

Sample 22 9'-10'

some coal fragments

Scale: 1 square = _____

9 OCT 2025

0040 - Sample 23

dark gray silt w few gravel/trees

15'-17'

I leave barge ~0130

9 OCT 2025

DRILLING on B-2 continues until ~1230

BARGE BLOWS FRONT ANCHOR ROTOR - RETURNS TO HARBOR - PROJECT DOWN

1500 - Parts ordered, due to arrive pm 10 OCT

10 OCT 2025

1151 - Barge still awaiting parts

Scale: 1 square = _____

Rite in the Rain

9 OCT 2025

Intertidal Samples

Low tide 1122
59°36'35" N 151°25'52"

Flat pebbly silt with sparse eelgrass - very wet

1130-1140

90 + 91 SD collected 0-0.5'

End of day

Scale: 1 square = _____

10 OCT 2025

Board barge @ 1605

1747 - in position @ BH-3

1918 - loads on barge after shift change

2013 - 1st 5' core
dark gray silt w scattered gravel - sulfide smell

Sample surface 24"

-31 SD

2106 - 2ND 5ft
dark gray silt w scattered gravel

-32 SD top 6" (-15' MLLW)

-33 SD bottom 6" (~20' MLLW)

Scale: 1 square = _____

10 OCT 2025

BH-3

2139 15'-17' below mudline
gray silt
NOT SAMPLED

2155 20-22' below ML

NOT SAMPLED

Wait for tide to move Barge
Drillers need some slack

head in to Lariat ~0100

end of day

Scale: 1 square = _____

11 OCT 2025

BH-1

Arrive on Barge ~1025
Sample waiting

1028 - 11SD

Soft dark gray silt, no gravel

1040 - short sample 5-10'
give to geotech

1050 - 12SD 15-17'

Soft dark gray silt

end of sampling

Scale: 1 square = _____

Chemical Data Quality Review – Homer Navigation Improvements Feasibility Study
Dredged Material Characterization, 2025

1. Introduction

1.1. The U.S. Army Corps of Engineers Alaska District (USACE-AK), Engineering Division, Environmental Engineering Branch (CEPOA-ENE) prepared this data review at the request of the USACE Civil Works branch, Environmental Resources Section (CEPOA-PMC-E). This report presents a review of the results from the 2025 sediment investigation conducted by USACE-AK personnel at Homer Harbor in support of Dredging Navigation Improvements efforts. This CDQR covers Sample Delivery Group (SDG) 580-154935-1/2.

2. Project Description

2.1. The Alaska District is investigating navigation improvements that would provide safe, reliable and efficient waterborne transportation systems and moorage to support Homer's current and future fleet. The implementation of any of the structural alternatives under consideration would include dredging and dredged material management to create adequate depths for the design vessel. Dredging would excavate material down to -26' mean lower low water (MLLW) for the entrance channel, -24' MLLW for the fairway, and -20' MLLW or -15' MLLW for the mooring area. USACE must characterize the dredged material to be excavated and managed to complete the cost estimate and environmental analysis needed for the feasibility study. The feasibility study currently assumes the dredged material is suitable for unconfined aquatic placement as the least costly environmentally acceptable management option.

2.2. Project results are compared to the marine limits presented in Section 8 of the Dredged Material Evaluation and Disposal Procedures User Manual (July 2021) developed by the Dredged Material Management Program (DMMP) and Alaska Department of Environmental Conservation (ADEC) 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels. Project data comparisons to these project action limits (PALs) are presented in Tables 2 and 3 at the end of this narrative.

2.3. A total of 14 samples (including 11 primary, two duplicates, and one trip blank) were delivered to Eurofins Anchorage Receiving Station (ARS) in Anchorage, AK with proper custody procedures. ARS submitted samples to EURO Lancaster who is approved for all analyses provided (6020B, 7471B, 8081B, 8082A, 8260D, 8270E, 8270ESIM, and AK101). This lab is approved by ADEC through the Underground Storage Tank (UST) Program and is certified by the Department of Defense (DOD) Environmental Laboratory Accreditation Program (ELAP) for the requested analytical methods. However, ARS also submitted samples for Tributyl Tin via GC/MS SIM to EURO CAL Science who is ***not*** approved by ADEC or ELAP for that method/analyte. Neither ADEC nor ELAP validate a method for Tributyl Tin. This deviation was

communicated to the Project Team prior to sample submittal, is considered acceptable, and does not impact data usability.

2.4. The project data was reviewed for deviations to the requirements presented in the Sampling and Analysis Plan, the DOD-QSM (Version 6.0), and ADEC Technical Memorandum 22-001, Guidelines for Data Reporting (dated August 2022) in the following areas – precision, accuracy, representativeness, comparability, completeness, and sensitivity (PARCCS). Elements reviewed include sample handling, holding times, method and trip blanks, laboratory control sample/laboratory control sample duplicate (LCS/LCSD) recoveries and relative percent differences (RPDs), matrix spikes and matrix spike duplicates (MS/MSD) recoveries and RPDs, surrogate recovery, and field duplicate comparability. Calibration curves and continuing calibration standard recoveries were not specifically reviewed; however, laboratories are required to document such failures in the appropriate case narratives. These narratives were reviewed for each SDG.

2.5. The laboratory staged electronic data deliverable (SEDD) for this project was used to generate this report. When discrepancies between the hardcopy data and the SEDD are found, the SEDD has been modified to reflect values from the hardcopy, unless the hardcopy is found to be in error. Results used to generate this report are deemed to be accurate.

2.6. The following qualifiers, listed below in order of increasing severity, are used in the data tables to indicate quality control deficiencies. The most severe flag will be utilized when quality issues indicate the use of more than one qualifier.

Qualifier	Definition
J	Analyte result is considered an estimated value because the level is below the laboratory LOQ but above the DL
B	Analyte result is considered a high estimated value due to contamination present in the method, trip, or equipment blank.
J+ J- JN	The result is considered an estimated value biased (high, low, indeterminant) due to a quality control deficiency. Result is considered acceptable.
R	Analyte result is rejected - result is not usable for project.
Note:	Flags may be combined when more than one quality deficiency exists.

Details of the data review are presented by SDG below:

3. SDG 580-154935-1/2

3.1. Collection and Preservation: Fourteen project samples were included in this SDG, including 11 primary samples, two duplicates, and one trip blank. All samples included in this SDG were shipped to the laboratory in a single cooler. Samples were received at ASR in one cooler at 1.3° C. ASR submitted samples to two different network labs: EURO Lancaster (SDG 580-154935-1, rec'd at 1.5° C for all methods

but Tributyl Tin); and EURO Cal Science (580-154935-2, rec'd at 3.5° C for Tributyl Tin) and all containers were deemed to be in acceptable condition.

3.2. Holding times: All reported sample analyses were completed within applicable holding times.

3.3. The laboratory case narrative did identify quality deficiencies. Deficiencies that impact results are discussed below.

3.4. Method, equipment, and trip blanks were analyzed at the required frequency. The following analytes were detected in an associated method blank: Fluoranthene (8270 and 8270SIM), Pyrene (8270 and 8270SIM), Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Phenanthrene (8270SIM only). All associated detected sample results less than 10 times the associated blank value are flagged "B" in the data tables. However, all detections are significantly below (i.e. less than 20%) of the applicable DMMP screening criterion.

3.5. LCS/LCSDs were analyzed at the required frequency and recoveries were within the QSM acceptance limits for all analytes in project samples.

3.6. Per the Sampling and Analysis Plan (SAP), at least one MS/MSD was to be submitted and analyzed for each method. However, a MS/MSD was not identified on the project chain of custody (CoC). The lab, however, ran a MS/MSD for method 8270E and for one of three extraction batches for 8270ESIM (but none on the other methods). Several analytes for both methods failed low in either the MS, the MSD, or both. Analytes which failed low but recovered above 10% are flagged "J-" and analytes which recovered below 10% are flagged "R" (unusable). Analytes with unusable results include 2,4-Dinitrophenol, Benzoic Acid, and Hexachlorocyclopentadiene. Only the associated sample results (26-HOM-CW 32 SD) are flagged.

3.7. LCS/MS Precision: Either a LCSD, MSD, or an internal laboratory duplicate is required for evaluation of laboratory precision. Thus, precision cannot be evaluated for methods 6020B, 7471B, D2216, and 8082A (no duplicate, LCSD, or MSD). Likewise, precision cannot be evaluated for 8081B batch 410-717133, 8270ESIM batch 410-719765, and 8270ESIM batch 410-721118. However, all impacted results are below the applicable DMMP PAL, and data usability is not significantly impacted. For 8270E and 8270ESIM, several analytes also exceeded the RPD criterion for the reported MS/MSD. If the analyte failed low for MS and/or MSD recoveries (but above 10%), the "J-" flag was changed to "JN" to indicate potential bias of unknown direction. "R" flags due to lack of MS/MSD recoveries were not changed. Again, this pertains only to the impacted sample 26-HOM-CW 32 SD.

3.8. Surrogate recoveries for all samples were within method and/or QSM acceptance limits except that one of four surrogates failed low for method 8260D in samples 26-HOM-CW 12 SD and TB 1; however, recoveries were greater than 10%. Consequently, all analytes for these samples are flagged "J-". One of one surrogate

failed low in multiple samples for AK101 where results indicate the samples were diluted significantly (i.e. at least 25X). Results are not further flagged.

3.9. There are two duplicates of site samples reported in this SDG which meets the ADEC 10% frequency requirement. Sample 26-HOM-CW 20 SD is a duplicate of 26-HOM-CW 21 SD and 26-HOM-CW 90 SD is a duplicate of 26-HOM-CW 91 SD. For comparison purposes, the limit of detection (LOD) is used for a nondetect result. For primary/duplicate pair -21 SD/-20 SD, the following methods/analytes did not meet ADEC requirement of less than 50% RPD: 8270E: Chrysene and Fluoranthene; 8270ESIM - Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Dibenzo(a,h)anthracene, and Fluoranthene. For primary duplicate pair -91 SD/-90 SD, the following methods/analytes did not meet ADEC requirements: 8081, nearly all analytes; 8270ESIM - Phenanthrene, Fluoranthene, Acenaphthene, Anthracene, Acenaphthylene. Impacted analytes are all flagged "JN"; results are either nondetect or well below the DMMP PAL; thus, usability is not impacted by this deviation.

3.10. Reporting/detection limits are defined by the QSM as follows: the Limit of Quantification (LOQ) is the lowest concentration that produces a quantitative result within specified limits of precision and bias. For DOD projects, the LOQ shall be set at or above the concentration of the lowest initial calibration standard corrected for sample preparation, dilution and moisture (if applicable). Laboratories can often detect analytes at levels less than the LOQ, albeit less quantitatively; therefore, the Limit of Detection (LOD) is defined as the smallest amount or concentration of a substance that must be present in a sample in order to be detected at a high level of confidence (99%). At the LOD, the false positive rate is 1%. Consequently, any nondetect result with an LOD greater than the associated cleanup limit cannot be used to prove the absence of that analyte at that limit.

A total of 21 nondetect analytes exceeded the DMMP PALs in one or more samples. These results are highlighted yellow in the DMMP data table (Table 2). A comparison of reported LODs to the most conservative ADEC Cleanup Limits specified in 18 AAC 75 was also completed; a total of 40 nondetect analytes exceeded the ADEC levels in at least one sample. These are also highlighted yellow in the ADEC data table (Table 3). Tables 4 and 5 present a summary of the numbers of samples and exceedances due to this deficiency.

3.11. Review of the laboratory case narrative indicates additional deficiencies not identified above. For 8270E, the narrative states that Acetone and Chloroethane failed low (76%/76%) in the opening Continuing Calibration Verification (CCV) standard associated with batch 410-716956, impacting all samples. Impacted results are flagged "J-". All impacted results are nondetect and are well below ADEC PALs (DMMP PAL is not established for these compounds). Results are considered usable.

The lab narrative also indicates that 8270E closing CCV for Hexachlorocylopentadiene recovered low, that CCV and samples were rerun and the

closing CCV again recovered low and therefore the data is acceptable and the deviations are due to matrix interference. However, there is no indication in the data package that the samples were rerun. The original sample that was spiked was run first (26-HOM-CW 32 SD), followed by the MS and MSD, both of which did not recover (0%). The rest of the samples were analyzed next followed by the closing CCV, which recovered at 21%, which is below the acceptable DoD Limit of 50%. For these reasons, this compound is considered rejected in all samples.

4. Overall Assessment

The project data exhibits ADEC PAL exceedances for Arsenic in all samples. However, Arsenic is a naturally occurring metal in Alaska. It is often found in concentrations above the regulatory cleanup level. In addition, Naphthalene also exceeded the ADEC PAL in sample 26-HOM-CW 11 SD. This deviation may indicate that low level fuel contamination may be present in that location. There were no exceedances of DMMP PALs in this data set.

The data set does contain some rejected results. All results for Hexachlorocylopentadiene and results for 2,4-Dinitrophenol and Benzoic acid in sample 26-HOM-CW 32 SD are considered rejected. All other results for this project are usable as reported and flagged. The overall completeness goal of 95% was met.

5. References

5.1. ADEC, 18 AAC 75, Oil and Other Hazardous Substances Pollution Control. October 2023.
5.2. ADEC, Technical Memorandum 22-001, Guidelines for Data Reporting. August 2022.
5.3. Department of Defense, Quality Systems Manual for Environmental Laboratories, Final Version 6.0. January 2023.
5.4. Dredged Material Management Office, Dredged Material Evaluation and Disposal Procedures User Manual. Dredged Material Management Office, U.S. Army Corps of Engineers, Seattle District. July 2021.
5.5. Eurofins, Laboratory Analytical Report; 580-154935-1/-2, 25-056 Homer Harbor Sediment Characterization. December 2025.
5.6. USACE, Sampling and Analysis Plan, Homer Navigation Improvements Feasibility Study Dredged Material Characterization, Homer, Alaska. September 2025.

Tables:

Table 1 - 2025 Homer Feasibility Study Sample Summary
Table 2 – 2025 Homer Feasibility Study, DMMP Comparison
Table 3 – 2025 Homer Feasibility Study, ADEC Comparison
Table 4 – 2025 Homer Feasibility Study, DMMP PAL Exceedances
Table 5 – 2025 Homer Feasibility Study, ADEC PAL Exceedances

Attachment 1: ADEC Data Review Checklist, SDG 580-154935-1/2

Table 1: 2025 Homer Feasibility Study
Sample Summary

Sample Delivery Group	CoolerID	ClientSampleID	LabSampleID	CollectedDate	MatrixID	LabName	QCType	6020B	7471B	8081B	8082A	8260D	8270E	8270ESIM	AK101	D2216	TBT-SIM
580-154935-1	LB	26-HOM-CW 11 SD	580-154935-12	10/11/2025 10:28:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 11 SD	580-154935-12	10/11/2025 10:28:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 12 SD	580-154935-13	10/11/2025 10:50:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 12 SD	580-154935-13	10/11/2025 10:50:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 20 SD	580-154935-3	10/08/2025 22:00:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 20 SD	580-154935-3	10/08/2025 22:00:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 21 SD	580-154935-4	10/08/2025 22:15:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 21 SD	580-154935-4	10/08/2025 22:15:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 22 SD	580-154935-5	10/09/2025 00:20:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 22 SD	580-154935-5	10/09/2025 00:20:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 23 SD	580-154935-6	10/09/2025 00:40:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 23 SD	580-154935-6	10/09/2025 00:40:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 31 SD	580-154935-9	10/10/2025 20:13:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 31 SD	580-154935-9	10/10/2025 20:13:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 32 SD	580-154935-10	10/10/2025 21:06:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 32 SD	580-154935-10	10/10/2025 21:06:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 33 SD	580-154935-11	10/10/2025 21:15:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 33 SD	580-154935-11	10/10/2025 21:15:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 81 SD	580-154935-1	10/07/2025 15:15:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 81 SD	580-154935-1	10/07/2025 15:15:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 82 SD	580-154935-2	10/07/2025 16:15:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 82 SD	580-154935-2	10/07/2025 16:15:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 90 SD	580-154935-7	10/09/2025 11:30:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 90 SD	580-154935-7	10/09/2025 11:30:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	26-HOM-CW 91 SD	580-154935-8	10/09/2025 11:40:00	Soil	Eurofins Lancaster	Field_Sample	X	X	X	X	X	X	X	X	X	
580-154935-2	LB-1	26-HOM-CW 91 SD	580-154935-8	10/09/2025 11:40:00	Soil	Eurofins Cal Science	Field_Sample										X
580-154935-1	LB	TB 1	580-154935-14	10/06/2025 00:00:00	Soil	Eurofins Lancaster	Trip Blank					X			X		

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**			**Dup of 21 SD**	
6020B	mg/kg	Antimony	150	0.37 [0.24]	0.39 [0.15]	0.44 [0.19]	0.34 [0.20]	0.37 [0.20]
6020B	mg/kg	Arsenic	57	14 [0.48]	13 [0.29]	10 [0.38]	11 [0.40]	9.2 [0.39]
6020B	mg/kg	Cadmium	5.1	0.079 [0.12] J	0.097 [0.073]	0.095 [0.095] J	0.095 [0.099] J	0.11 [0.098] J
6020B	mg/kg	Chromium	260	55 [0.57]	42 [0.35]	53 [0.45]	47 [0.47]	40 [0.47]
6020B	mg/kg	Copper	390	49 [0.54]	30 [0.33]	47 [0.43]	42 [0.45]	31 [0.44]
6020B	mg/kg	Lead	450	12 [0.24]	7.2 [0.15]	11 [0.19]	9.9 [0.20]	7.4 [0.20]
6020B	mg/kg	Nickel	NE	41 [0.57]	31 [0.35]	41 [0.45]	38 [0.47]	32 [0.47]
6020B	mg/kg	Selenium	3	0.30 [0.30] J	0.18 [0.18] J	0.29 [0.24] J	0.26 [0.25] J	0.20 [0.25] J
6020B	mg/kg	Silver	6.1	0.13 [0.12] J	0.085 [0.073] J	0.13 [0.095]	0.13 [0.099]	0.088 [0.098] J
6020B	mg/kg	Zinc	410	110 [12]	79 [7.3]	110 [9.5]	98 [9.9]	83 [9.8]
7471B	mg/kg	Mercury	0.41	0.14 [0.063]	0.084 [0.052]	0.13 [0.062]	0.12 [0.057]	0.098 [0.054]
8081B	mg/kg	4,4'-DDD	0.016	ND [0.013]	ND [0.011]	ND [0.013]	ND [0.012]	ND [0.011]
8081B	mg/kg	4,4'-DDE	0.009	**ND [0.012]**	**ND [0.0094]**	**ND [0.011]**	**ND [0.011]**	**ND [0.0096]**
8081B	mg/kg	4,4'-DDT	0.012	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Aldrin	0.0095	ND [0.0059]	ND [0.0048]	ND [0.0057]	ND [0.0054]	ND [0.0049]
8081B	mg/kg	alpha-BHC	NE	ND [0.0063]	ND [0.0051]	ND [0.0060]	ND [0.0057]	ND [0.0052]
8081B	mg/kg	beta-BHC	NE	ND [0.0074]	ND [0.0060]	ND [0.0071]	ND [0.0068]	ND [0.0062]
8081B	mg/kg	cis-Chlordane	0.0028	**ND [0.0076]**	**ND [0.0062]**	**ND [0.0072]**	**ND [0.0069]**	**ND [0.0063]**
8081B	mg/kg	delta-BHC	NE	ND [0.0074]	ND [0.0060]	ND [0.0071]	ND [0.0068]	ND [0.0062]
8081B	mg/kg	Dieldrin	0.0019	**ND [0.0099]**	**ND [0.0080]**	**ND [0.0094]**	**ND [0.0090]**	**ND [0.0082]**
8081B	mg/kg	Endosulfan I	NE	ND [0.0049]	ND [0.0040]	ND [0.0047]	ND [0.0045]	ND [0.0041]
8081B	mg/kg	Endosulfan II	NE	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8081B	mg/kg	Endosulfan sulfate	NE	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Endrin	NE	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Endrin aldehyde	NE	ND [0.014]	ND [0.011]	ND [0.013]	ND [0.013]	ND [0.012]
8081B	mg/kg	Endrin ketone	NE	ND [0.015]	ND [0.012]	ND [0.014]	ND [0.014]	ND [0.012]
8081B	mg/kg	gamma-BHC (Lindane)	NE	ND [0.0049]	ND [0.0040]	ND [0.0047]	ND [0.0045]	ND [0.0041]
8081B	mg/kg	Heptachlor	0.0015	**ND [0.0051]**	**ND [0.0042]**	**ND [0.0049]**	**ND [0.0047]**	**ND [0.0043]**
8081B	mg/kg	Heptachlor Epoxide	NE	ND [0.0058]	ND [0.0047]	ND [0.0055]	ND [0.0053]	ND [0.0048]
8081B	mg/kg	Methoxychlor	NE	ND [0.049]	ND [0.040]	ND [0.046]	ND [0.044]	ND [0.040]
8081B	mg/kg	Toxaphene	NE	ND [0.23]	ND [0.19]	ND [0.22]	ND [0.21]	ND [0.19]
8081B	mg/kg	trans-Chlordane	0.0028	**ND [0.0049]**	**ND [0.0040]**	**ND [0.0047]**	**ND [0.0045]**	**ND [0.0041]**
8082A	mg/kg	PCB-1016 (Aroclor 1016)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual

[ ] - Laboratory LOD

Solid shade indicates screening value exceedance

NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**			**Dup of 21 SD**	
8082A	mg/kg	PCB-1221 (Aroclor 1221)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1232 (Aroclor 1232)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1242 (Aroclor 1242)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1248 (Aroclor 1248)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1254 (Aroclor 1254)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1260 (Aroclor 1260)	0.13	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8260D	mg/kg	1,1,1-Trichloroethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloroethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloroethene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloropropene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2,3-Trichlorobenzene	NE	ND [5.5]	ND [0.33] J-	ND [0.50]	ND [0.36]	ND [0.35]
8260D	mg/kg	1,2,3-Trichloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [5.5]**	**ND [0.33] J-**	**ND [0.50]**	**ND [0.36]**	**ND [0.35]**
8260D	mg/kg	1,2,4-Trimethylbenzene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2-Dichlorobenzene	0.035	**ND [1.4]**	**ND [0.083] J-**	**ND [0.13]**	**ND [0.090]**	**ND [0.087]**
8260D	mg/kg	1,2-Dichloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,3,5-Trimethylbenzene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,3-Dichlorobenzene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	2,2-Dichloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	2-Butanone	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	4-Isopropyltoluene	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	4-Methyl-2-pentanone	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Acetone	NE	ND [11] J-	ND [0.67] J-	ND [1.0] J-	ND [0.72] J-	ND [0.69] J-
8260D	mg/kg	Bromobenzene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Bromochloromethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Carbon disulfide	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Carbon tetrachloride	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Chlorobenzene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Chloroethane	NE	ND [2.7] J-	ND [0.17] J-	ND [0.25] J-	ND [0.18] J-	ND [0.17] J-
8260D	mg/kg	Chloromethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	cis-1,2-Dichloroethene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual

[ ] - Laboratory LOD

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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**			**Dup of 21 SD**	
8260D	mg/kg	Dichlorodifluoromethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Ethylbenzene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Isopropylbenzene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Methylene chloride	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	n-Butylbenzene	NE	ND [3.4]	ND [0.21] J-	ND [0.31]	ND [0.23]	ND [0.22]
8260D	mg/kg	n-Propylbenzene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	o-Xylene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	sec-Butylbenzene	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Styrene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	tert-Butylbenzene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Tetrachloroethene (PCE)	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Toluene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	trans-1,2-Dichloroethene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Trichloroethene (TCE)	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Trichlorofluoromethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Vinyl chloride	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Xylene, Isomers m & p	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8270E	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	1,2-Dichlorobenzene	0.035	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	1,3-Dichlorobenzene	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	1,4-Dichlorobenzene	0.11	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	1-Methylnaphthalene	NE	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2,4,5-Trichlorophenol	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2,4,6-Trichlorophenol	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2,4-Dichlorophenol	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2,4-Dimethylphenol	0.029	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	2,4-Dinitrophenol	NE	ND [1.4]	ND [1.1]	ND [1.3]	ND [1.3]	ND [1.2]
8270E	mg/kg	2,4-Dinitrotoluene	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	2,6-Dinitrotoluene	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2-Chloronaphthalene	NE	ND [0.044]	ND [0.036]	ND [0.041]	ND [0.040]	ND [0.037]
8270E	mg/kg	2-Chlorophenol	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.55]	ND [0.45]	ND [0.52]	ND [0.50]	ND [0.46]
8270E	mg/kg	2-Methylnaphthalene	0.67	ND [0.017]	ND [0.013]	ND [0.016]	ND [0.015]	ND [0.014]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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[ ] - Laboratory LOD

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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**			**Dup of 21 SD**	
8270E	mg/kg	2-Methylphenol (o-Cresol)	0.063	**ND [0.066]**	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2-Nitroaniline	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2-Nitrophenol	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	3,3'-Dichlorobenzidine	NE	ND [0.44]	ND [0.36]	ND [0.41]	ND [0.40]	ND [0.37]
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	0.67	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	3-Nitroaniline	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	4-Chloroaniline	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	4-Nitroaniline	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	4-Nitrophenol	NE	ND [0.55]	ND [0.45]	ND [0.52]	ND [0.50]	ND [0.46]
8270E	mg/kg	Acenaphthene	0.5	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Acenaphthylene	0.56	ND [0.013]	ND [0.011]	ND [0.012]	ND [0.012]	ND [0.011]
8270E	mg/kg	Anthracene	0.96	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(a)anthracene	1.3	ND [0.022]	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Benzo(a)pyrene	1.6	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(b)fluoranthene	3.2	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(g,h,i)perylene	0.67	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(k)fluoranthene	3.2	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzoic acid	0.65	**ND [0.66]**	ND [0.54]	ND [0.62]	ND [0.60]	ND [0.55]
8270E	mg/kg	Benzyl alcohol	0.057	**ND [0.55]**	**ND [0.45]**	**ND [0.52]**	**ND [0.50]**	**ND [0.46]**
8270E	mg/kg	Benzyl butyl phthalate	0.063	**ND [0.22]**	**ND [0.18]**	**ND [0.21]**	**ND [0.20]**	**ND [0.18]**
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	bis-(2-Chloroethyl)ether	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	1.3	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Carbazole	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Chrysene	1.4	ND [0.011]	ND [0.0089]	0.0056 [0.010] J JN	ND [0.010] JN	ND [0.0092]
8270E	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.022]	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Dibenzofuran	0.54	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Diethyl phthalate	0.2	**ND [0.22]**	ND [0.18]	**ND [0.21]**	ND [0.20]	ND [0.18]
8270E	mg/kg	Dimethyl phthalate	0.071	**ND [0.22]**	**ND [0.18]**	**ND [0.21]**	**ND [0.20]**	**ND [0.18]**
8270E	mg/kg	Di-n-butyl phthalate	1.4	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Di-n-octyl phthalate	6.2	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Fluoranthene	1.7	ND [0.011]	ND [0.0089]	0.0098 [0.010] J JN	0.0053 [0.010] J JN	ND [0.0092]
8270E	mg/kg	Fluorene	0.54	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]

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		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**			**Dup of 21 SD**	
8270E	mg/kg	Hexachlorobenzene	0.022	**ND [0.055]**	**ND [0.044]**	**ND [0.051]**	**ND [0.050]**	**ND [0.045]**
8270E	mg/kg	Hexachlorobutadiene	0.011	**ND [0.066]**	**ND [0.054]**	**ND [0.062]**	**ND [0.060]**	**ND [0.055]**
8270E	mg/kg	Hexachlorocyclopentadiene	NE	R	R	R	R	R
8270E	mg/kg	Hexachloroethane	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	ND [0.013]	ND [0.011]	ND [0.012]	ND [0.012]	ND [0.011]
8270E	mg/kg	Isophorone	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Naphthalene	2.1	0.069 [0.022]	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Nitrobenzene	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	n-Nitrosodimethylamine	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	n-Nitrosodi-n-propylamine	NE	ND [0.083]	ND [0.067]	ND [0.078]	ND [0.075]	ND [0.069]
8270E	mg/kg	n-Nitrosodiphenylamine	0.028	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	Pentachlorophenol	0.4	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Phenanthrene	1.5	ND [0.013]	ND [0.011]	0.0067 [0.012] J	0.0067 [0.012] J	ND [0.011]
8270E	mg/kg	Phenol	0.42	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Pyrene	2.6	ND [0.011]	0.0075 [0.0089] J B	0.0096 [0.010] J B	ND [0.010]	ND [0.0092]
8270ESIM	mg/kg	1-Methylnaphthalene	NE	ND [0.0022]	0.00094 [0.0018] J	ND [0.0021]	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	2-Methylnaphthalene	0.67	0.0026 [0.0044] J	ND [0.0036]	ND [0.0041]	ND [0.0040]	ND [0.0037]
8270ESIM	mg/kg	Acenaphthene	0.5	ND [0.0022]	0.0012 [0.0018] J	0.0012 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Acenaphthylene	0.56	0.00062 [0.0022] J	0.0010 [0.0018] J	0.00091 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Anthracene	0.96	0.0011 [0.0022] J B	0.0011 [0.0018] J B	0.0026 [0.0021] JN	0.0012 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(a)anthracene	1.3	ND [0.0022]	ND [0.0018]	0.0034 [0.0021] JN	0.0014 [0.0020] J	ND [0.0018]
8270ESIM	mg/kg	Benzo(a)pyrene	1.6	ND [0.0022]	0.00091 [0.0018] J B	0.0024 [0.0021] J JN	0.0012 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(b)fluoranthene	3.2	ND [0.0022]	0.0011 [0.0018] J B	0.0030 [0.0021] JN	0.0013 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(g,h,i)perylene	0.67	ND [0.0022]	0.0016 [0.0018] J	0.0024 [0.0021] J JN	0.0014 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(k)fluoranthene	3.2	ND [0.0022]	ND [0.0018]	0.0016 [0.0021] J	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	Chrysene	1.4	0.00082 [0.0022] J B	ND [0.0018]	0.0030 [0.0021] JN	0.0017 [0.0020] J JN	0.00079 [0.0018] J B
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.0022]	ND [0.0018]	0.0011 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Fluoranthene	1.7	0.0024 [0.0022] J B	0.0020 [0.0018] J B	0.0073 [0.0021] JN	0.0043 [0.0020] JN	0.0016 [0.0018] J B
8270ESIM	mg/kg	Fluorene	0.54	0.0020 [0.0022] J	0.0012 [0.0018] J	0.0018 [0.0021] J	0.0012 [0.0020] J	ND [0.0018]
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	ND [0.0022]	ND [0.0018]	0.0021 [0.0021] J	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	Naphthalene	2.1	0.062 [0.0044]	0.0038 [0.0036] J	ND [0.0041]	ND [0.0040]	ND [0.0037]
8270ESIM	mg/kg	Phenanthrene	1.5	0.0040 [0.0033] B	0.0018 [0.0027] J B	0.0058 [0.0031] B	0.0039 [0.0030] B	0.0015 [0.0028] J
8270ESIM	mg/kg	Pyrene	2.6	0.0023 [0.0022] J B	0.0038 [0.0018] B	0.0075 [0.0021] B	0.0059 [0.0020] B	0.0025 [0.0018] B
AK101	mg/kg	Gasoline Range Organics (C6-C10)	NE	ND [4.7] J-	ND [0.72]	ND [1.1] J-	ND [0.78] J-	ND [0.75]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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[ ] - Laboratory LOD

Solid shade indicates screening value exceedance

NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
			Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**				**Dup of 21 SD**	
D2216	PERCENT	Percent Moisture	NE	40.0 [1.0]	26.0 [1.0]	36.5 [1.0]	34.4 [1.0]	27.8 [1.0]

[1]MS/MSD was run only on 8270E and 8270ESIM methods
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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**			
6020B	mg/kg	Antimony	150	0.42 [0.20]	0.43 [0.20]	0.53 [0.19]	0.34 [0.15]	0.30 [0.20]
6020B	mg/kg	Arsenic	57	10 [0.41]	9.9 [0.41]	15 [0.39]	10 [0.29]	11 [0.40]
6020B	mg/kg	Cadmium	5.1	0.098 [0.10] J	0.13 [0.10]	0.13 [0.097]	0.11 [0.073]	0.11 [0.10] J
6020B	mg/kg	Chromium	260	39 [0.49]	52 [0.49]	44 [0.47]	41 [0.35]	42 [0.48]
6020B	mg/kg	Copper	390	32 [0.46]	44 [0.46]	40 [0.44]	34 [0.33]	37 [0.45]
6020B	mg/kg	Lead	450	7.3 [0.20]	10 [0.20]	9.1 [0.19]	7.8 [0.15]	8.7 [0.20]
6020B	mg/kg	Nickel	NE	30 [0.48]	39 [0.49]	36 [0.46]	33 [0.35]	33 [0.48]
6020B	mg/kg	Selenium	3	0.20 [0.26] J	0.33 [0.26] J	0.28 [0.24] J	0.19 [0.18] J	0.22 [0.25] J
6020B	mg/kg	Silver	6.1	0.085 [0.10] J	0.12 [0.10] J	0.10 [0.097] J	0.085 [0.073] J	0.10 [0.10] J
6020B	mg/kg	Zinc	410	78 [10]	100 [10]	90 [9.7]	82 [7.3]	86 [10]
7471B	mg/kg	Mercury	0.41	0.095 [0.053]	0.12 [0.060]	0.11 [0.052]	0.098 [0.051]	0.11 [0.056]
8081B	mg/kg	4,4'-DDD	0.016	ND [0.011]	ND [0.012]	ND [0.011]	ND [0.011]	ND [0.012]
8081B	mg/kg	4,4'-DDE	0.009	**ND [0.0092]**	**ND [0.011]**	**ND [0.0095]**	**ND [0.0092]**	**ND [0.010]**
8081B	mg/kg	4,4'-DDT	0.012	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Aldrin	0.0095	ND [0.0047]	ND [0.0054]	ND [0.0049]	ND [0.0048]	ND [0.0052]
8081B	mg/kg	alpha-BHC	NE	ND [0.0050]	ND [0.0057]	ND [0.0052]	ND [0.0050]	ND [0.0055]
8081B	mg/kg	beta-BHC	NE	ND [0.0059]	ND [0.0068]	ND [0.0061]	ND [0.0059]	ND [0.0065]
8081B	mg/kg	cis-Chlordane	0.0028	**ND [0.0061]**	**ND [0.0069]**	**ND [0.0063]**	**ND [0.0061]**	**ND [0.0066]**
8081B	mg/kg	delta-BHC	NE	ND [0.0059]	ND [0.0068]	ND [0.0061]	ND [0.0059]	ND [0.0065]
8081B	mg/kg	Dieldrin	0.0019	**ND [0.0079]**	**ND [0.0090]**	**ND [0.0082]**	**ND [0.0079]**	**ND [0.0086]**
8081B	mg/kg	Endosulfan I	NE	ND [0.0040]	ND [0.0045]	ND [0.0041]	ND [0.0040]	ND [0.0043]
8081B	mg/kg	Endosulfan II	NE	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8081B	mg/kg	Endosulfan sulfate	NE	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Endrin	NE	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Endrin aldehyde	NE	ND [0.011]	ND [0.013]	ND [0.012]	ND [0.011]	ND [0.012]
8081B	mg/kg	Endrin ketone	NE	ND [0.012]	ND [0.014]	ND [0.012]	ND [0.012]	ND [0.013]
8081B	mg/kg	gamma-BHC (Lindane)	NE	ND [0.0040]	ND [0.0045]	ND [0.0041]	ND [0.0040]	ND [0.0043]
8081B	mg/kg	Heptachlor	0.0015	**ND [0.0041]**	**ND [0.0047]**	**ND [0.0042]**	**ND [0.0041]**	**ND [0.0045]**
8081B	mg/kg	Heptachlor Epoxide	NE	ND [0.0046]	ND [0.0053]	ND [0.0048]	ND [0.0046]	ND [0.0050]
8081B	mg/kg	Methoxychlor	NE	ND [0.039]	ND [0.044]	ND [0.040]	ND [0.039]	ND [0.043]
8081B	mg/kg	Toxaphene	NE	ND [0.18]	ND [0.21]	ND [0.19]	ND [0.18]	ND [0.20]
8081B	mg/kg	trans-Chlordane	0.0028	**ND [0.0040]**	**ND [0.0045]**	**ND [0.0041]**	**ND [0.0040]**	**ND [0.0043]**
8082A	mg/kg	PCB-1016 (Aroclor 1016)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
			Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**				
8082A	mg/kg	PCB-1221 (Aroclor 1221)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1232 (Aroclor 1232)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1242 (Aroclor 1242)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1248 (Aroclor 1248)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1254 (Aroclor 1254)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1260 (Aroclor 1260)	0.13	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8260D	mg/kg	1,1,1-Trichloroethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,1-Dichloroethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,1-Dichloroethene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,1-Dichloropropene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2,3-Trichlorobenzene	NE	ND [0.35]	ND [0.35]	ND [0.43]	ND [0.28]	ND [0.44]
8260D	mg/kg	1,2,3-Trichloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [0.35]**	**ND [0.35]**	**ND [0.43]**	**ND [0.28]**	**ND [0.44]**
8260D	mg/kg	1,2,4-Trimethylbenzene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2-Dichlorobenzene	0.035	**ND [0.087]**	**ND [0.087]**	**ND [0.11]**	**ND [0.071]**	**ND [0.11]**
8260D	mg/kg	1,2-Dichloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,3,5-Trimethylbenzene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,3-Dichlorobenzene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	2,2-Dichloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	2-Butanone	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	4-Isopropyltoluene	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	4-Methyl-2-pentanone	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Acetone	NE	ND [0.70] J-	ND [0.70] J-	ND [0.85] J-	ND [0.57] J-	ND [0.88] J-
8260D	mg/kg	Bromobenzene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Bromochloromethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Carbon disulfide	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Carbon tetrachloride	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Chlorobenzene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Chloroethane	NE	ND [0.17] J-	ND [0.17] J-	ND [0.21] J-	ND [0.14] J-	ND [0.22] J-
8260D	mg/kg	Chloromethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	cis-1,2-Dichloroethene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**			
8260D	mg/kg	Dichlorodifluoromethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Ethylbenzene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Isopropylbenzene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Methylene chloride	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	n-Butylbenzene	NE	ND [0.22]	ND [0.22]	ND [0.27]	ND [0.18]	ND [0.27]
8260D	mg/kg	n-Propylbenzene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	o-Xylene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	sec-Butylbenzene	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Styrene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	tert-Butylbenzene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Tetrachloroethene (PCE)	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Toluene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	trans-1,2-Dichloroethene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Trichloroethene (TCE)	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Trichlorofluoromethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Vinyl chloride	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Xylene, Isomers m & p	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8270E	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	1,2-Dichlorobenzene	0.035	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	1,3-Dichlorobenzene	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	1,4-Dichlorobenzene	0.11	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	1-Methylnaphthalene	NE	ND [0.0088]	ND [0.0099]	ND [0.0091] JN	ND [0.0089]	ND [0.0097]
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	2,4,5-Trichlorophenol	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	2,4,6-Trichlorophenol	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	2,4-Dichlorophenol	NE	ND [0.053]	ND [0.060]	ND [0.055] JN	ND [0.053]	ND [0.058]
8270E	mg/kg	2,4-Dimethylphenol	0.029	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	2,4-Dinitrophenol	NE	ND [1.1]	ND [1.3]	R	ND [1.1]	ND [1.2]
8270E	mg/kg	2,4-Dinitrotoluene	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	2,6-Dinitrotoluene	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	2-Chloronaphthalene	NE	ND [0.035]	ND [0.040]	ND [0.037]	ND [0.035]	ND [0.039]
8270E	mg/kg	2-Chlorophenol	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.44]	ND [0.50]	ND [0.46] J-	ND [0.44]	ND [0.48]
8270E	mg/kg	2-Methylnaphthalene	0.67	ND [0.013]	ND [0.015]	ND [0.014] JN	ND [0.013]	ND [0.014]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**			
8270E	mg/kg	2-Methylphenol (o-Cresol)	0.063	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	2-Nitroaniline	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	2-Nitrophenol	NE	ND [0.053]	ND [0.060]	ND [0.055] JN	ND [0.053]	ND [0.058]
8270E	mg/kg	3,3'-Dichlorobenzidine	NE	ND [0.35]	ND [0.40]	ND [0.37] JN	ND [0.35]	ND [0.39]
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	0.67	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	3-Nitroaniline	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	4-Chloroaniline	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	4-Nitroaniline	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	4-Nitrophenol	NE	ND [0.44]	ND [0.50]	ND [0.46]	ND [0.44]	ND [0.48]
8270E	mg/kg	Acenaphthene	0.5	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Acenaphthylene	0.56	ND [0.011]	ND [0.012]	ND [0.011]	ND [0.011]	ND [0.012]
8270E	mg/kg	Anthracene	0.96	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(a)anthracene	1.3	0.013 [0.018] J	ND [0.020]	ND [0.018] J-	ND [0.018]	ND [0.019]
8270E	mg/kg	Benzo(a)pyrene	1.6	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(b)fluoranthene	3.2	0.0096 [0.0088] J	ND [0.0099]	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(g,h,i)perylene	0.67	0.0069 [0.0088] J	ND [0.0099]	ND [0.0091] JN	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(k)fluoranthene	3.2	0.0061 [0.0088] J	ND [0.0099]	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzoic acid	0.65	ND [0.53]	ND [0.60]	R	ND [0.53]	ND [0.58]
8270E	mg/kg	Benzyl alcohol	0.057	**ND [0.44]**	**ND [0.50]**	**ND [0.46]**	**ND [0.44]**	**ND [0.48]**
8270E	mg/kg	Benzyl butyl phthalate	0.063	**ND [0.18]**	**ND [0.20]**	**ND [0.18]**	**ND [0.18]**	**ND [0.19]**
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	bis-(2-Chloroethyl)ether	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	1.3	ND [0.18]	ND [0.20]	ND [0.18]	ND [0.18]	ND [0.19]
8270E	mg/kg	Carbazole	NE	ND [0.044]	ND [0.050]	ND [0.046] J-	ND [0.044]	ND [0.048]
8270E	mg/kg	Chrysene	1.4	0.011 [0.0088] J	0.0066 [0.0099] J	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.018]	ND [0.020]	ND [0.018]	ND [0.018]	ND [0.019]
8270E	mg/kg	Dibenzofuran	0.54	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Diethyl phthalate	0.2	ND [0.18]	ND [0.20]	ND [0.18] J-	ND [0.18]	ND [0.19]
8270E	mg/kg	Dimethyl phthalate	0.071	**ND [0.18]**	**ND [0.20]**	**ND [0.18] J-**	**ND [0.18]**	**ND [0.19]**
8270E	mg/kg	Di-n-butyl phthalate	1.4	ND [0.18]	ND [0.20]	ND [0.18] JN	ND [0.18]	ND [0.19]
8270E	mg/kg	Di-n-octyl phthalate	6.2	ND [0.18]	ND [0.20]	ND [0.18] J-	ND [0.18]	ND [0.19]
8270E	mg/kg	Fluoranthene	1.7	0.019 [0.0088] J B	0.0088 [0.0099] J B	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Fluorene	0.54	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual

[ ] - Laboratory LOD

Solid shade indicates screening value exceedance

NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
			Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**				
8270E	mg/kg	Hexachlorobenzene	0.022	**ND [0.044]**	**ND [0.049]**	**ND [0.045]**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	Hexachlorobutadiene	0.011	**ND [0.053]**	**ND [0.060]**	**ND [0.055] JN**	**ND [0.053]**	**ND [0.058]**
8270E	mg/kg	Hexachlorocyclopentadiene	NE	R	R	R	R	R
8270E	mg/kg	Hexachloroethane	NE	ND [0.088]	ND [0.099]	ND [0.091] J-	ND [0.089]	ND [0.097]
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	0.0086 [0.011] J	ND [0.012]	ND [0.011]	0.0060 [0.011] J	ND [0.012]
8270E	mg/kg	Isophorone	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Naphthalene	2.1	ND [0.018]	ND [0.020]	ND [0.018] J-	ND [0.018]	ND [0.019]
8270E	mg/kg	Nitrobenzene	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	n-Nitrosodimethylamine	NE	ND [0.088]	ND [0.099]	ND [0.091] JN	ND [0.089]	ND [0.097]
8270E	mg/kg	n-Nitrosodi-n-propylamine	NE	ND [0.066]	ND [0.074]	ND [0.069] JN	ND [0.066]	ND [0.072]
8270E	mg/kg	n-Nitrosodiphenylamine	0.028	**ND [0.044]**	**ND [0.050]**	**ND [0.046]**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	Pentachlorophenol	0.4	ND [0.18]	ND [0.20]	ND [0.18]	ND [0.18]	ND [0.19]
8270E	mg/kg	Phenanthrene	1.5	0.010 [0.011] J	ND [0.012]	ND [0.011] J-	ND [0.011]	ND [0.012]
8270E	mg/kg	Phenol	0.42	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Pyrene	2.6	0.015 [0.0088] J B	0.011 [0.0099] J B	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270ESIM	mg/kg	1-Methylnaphthalene	NE	ND [0.018]	ND [0.0020]	ND [0.018] JN	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	2-Methylnaphthalene	0.67	ND [0.035]	ND [0.0040]	ND [0.037]	ND [0.0035]	ND [0.0039]
8270ESIM	mg/kg	Acenaphthene	0.5	ND [0.018]	ND [0.0020]	ND [0.018] JN	0.00096 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Acenaphthylene	0.56	ND [0.018]	ND [0.0020]	ND [0.018] JN	0.00052 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Anthracene	0.96	ND [0.018]	0.0010 [0.0020] J B	ND [0.018]	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(a)anthracene	1.3	ND [0.018]	0.0036 [0.0020] B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(a)pyrene	1.6	ND [0.018]	0.0021 [0.0020] J B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(b)fluoranthene	3.2	0.012 [0.018] J	0.0029 [0.0020] B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(g,h,i)perylene	0.67	ND [0.018]	0.0017 [0.0020] J	ND [0.018] JN	0.0010 [0.0018] J	0.00098 [0.0019] J
8270ESIM	mg/kg	Benzo(k)fluoranthene	3.2	ND [0.018]	0.0015 [0.0020] J	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Chrysene	1.4	0.0082 [0.018] J B	0.0030 [0.0020] B	ND [0.018] J-	ND [0.0018]	0.00094 [0.0019] J B
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.018]	ND [0.0020]	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Fluoranthene	1.7	0.017 [0.018] J	0.0068 [0.0020] B	ND [0.018] JN	0.0020 [0.0018] J B	0.0023 [0.0019] J B
8270ESIM	mg/kg	Fluorene	0.54	ND [0.018]	ND [0.0020]	ND [0.018]	0.00091 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	ND [0.018]	0.0014 [0.0020] J	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Naphthalene	2.1	ND [0.035]	ND [0.0040]	ND [0.037]	ND [0.0035]	ND [0.0039]
8270ESIM	mg/kg	Phenanthrene	1.5	ND [0.026]	0.0023 [0.0030] J B	ND [0.027]	ND [0.0027]	0.0019 [0.0029] J B
8270ESIM	mg/kg	Pyrene	2.6	0.017 [0.018] J	0.0072 [0.0020] B	ND [0.018]	0.0027 [0.0018] B	0.0032 [0.0019] B
AK101	mg/kg	Gasoline Range Organics (C6-C10)	NE	ND [0.75]	ND [0.75] J-	ND [0.92]	ND [0.61] J-	ND [0.95]

[1]MS/MSD was run only on 8270E and 8270ESIM methods

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[ ] - Laboratory LOD

Solid shade indicates screening value exceedance

NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**DMMP**	**MS/MSD[1]**			
D2216	PERCENT	Percent Moisture	NE	24.6 [1.0]	33.6 [1.0]	27.3 [1.0]	25.0 [1.0]	31.3 [1.0]

[1]MS/MSD was run only on 8270E and 8270ESIM methods
DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual
[ ] - Laboratory LOD
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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
6020B	mg/kg	Antimony	150	0.21 [0.16]	0.26 [0.16]	0.17 [0.15] J	
6020B	mg/kg	Arsenic	57	7.8 [0.31]	13 [0.33]	12 [0.30]	
6020B	mg/kg	Cadmium	5.1	0.10 [0.079]	0.057 [0.082] J	ND [0.075]	
6020B	mg/kg	Chromium	260	47 [0.38]	22 [0.39]	22 [0.36]	
6020B	mg/kg	Copper	390	40 [0.35]	15 [0.37]	15 [0.34]	
6020B	mg/kg	Lead	450	9.0 [0.16]	4.4 [0.16]	4.6 [0.15]	
6020B	mg/kg	Nickel	NE	36 [0.37]	16 [0.39]	18 [0.36]	
6020B	mg/kg	Selenium	3	0.21 [0.20] J	0.14 [0.20] J	0.15 [0.19] J	
6020B	mg/kg	Silver	6.1	0.092 [0.079] J	0.046 [0.082] J	0.038 [0.075] J	
6020B	mg/kg	Zinc	410	94 [7.9]	42 [8.2]	46 [7.5]	
7471B	mg/kg	Mercury	0.41	0.11 [0.055]	0.049 [0.049] J	0.040 [0.046] J	
8081B	mg/kg	4,4'-DDD	0.016	ND [0.011]	**ND [0.021]**	ND [0.0095]	
8081B	mg/kg	4,4'-DDE	0.009	**ND [0.0096]**	**ND [0.018]**	ND [0.0083]	
8081B	mg/kg	4,4'-DDT	0.012	ND [0.0082]	**ND [0.016]**	ND [0.0071]	
8081B	mg/kg	Aldrin	0.0095	ND [0.0049]	ND [0.0093]	ND [0.0043]	
8081B	mg/kg	alpha-BHC	NE	ND [0.0052]	ND [0.0098]	ND [0.0045]	
8081B	mg/kg	beta-BHC	NE	ND [0.0062]	ND [0.012]	ND [0.0053]	
8081B	mg/kg	cis-Chlordane	0.0028	**ND [0.0063]**	**ND [0.012]**	**ND [0.0055]**	
8081B	mg/kg	delta-BHC	NE	ND [0.0062]	ND [0.012]	ND [0.0053]	
8081B	mg/kg	Dieldrin	0.0019	**ND [0.0082]**	**ND [0.016]**	**ND [0.0071]**	
8081B	mg/kg	Endosulfan I	NE	ND [0.0041]	ND [0.0078]	ND [0.0036]	
8081B	mg/kg	Endosulfan II	NE	ND [0.015]	ND [0.028]	ND [0.013]	
8081B	mg/kg	Endosulfan sulfate	NE	ND [0.0082]	ND [0.016]	ND [0.0071]	
8081B	mg/kg	Endrin	NE	ND [0.0082]	ND [0.016]	ND [0.0071]	
8081B	mg/kg	Endrin aldehyde	NE	ND [0.012]	ND [0.022]	ND [0.010]	
8081B	mg/kg	Endrin ketone	NE	ND [0.012]	ND [0.023]	ND [0.011]	
8081B	mg/kg	gamma-BHC (Lindane)	NE	ND [0.0041]	ND [0.0078]	ND [0.0036]	
8081B	mg/kg	Heptachlor	0.0015	**ND [0.0043]**	**ND [0.0080]**	**ND [0.0037]**	
8081B	mg/kg	Heptachlor Epoxide	NE	ND [0.0048]	ND [0.0090]	ND [0.0042]	
8081B	mg/kg	Methoxychlor	NE	ND [0.041]	ND [0.076]	ND [0.035]	
8081B	mg/kg	Toxaphene	NE	ND [0.19]	ND [0.36]	ND [0.17]	
8081B	mg/kg	trans-Chlordane	0.0028	**ND [0.0041]**	**ND [0.0078]**	**ND [0.0036]**	
8082A	mg/kg	PCB-1016 (Aroclor 1016)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	

[1]MS/MSD was run only on 8270E and 8270ESIM methods
DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
8082A	mg/kg	PCB-1221 (Aroclor 1221)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1232 (Aroclor 1232)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1242 (Aroclor 1242)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1248 (Aroclor 1248)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1254 (Aroclor 1254)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1260 (Aroclor 1260)	0.13	ND [0.015]	ND [0.014]	ND [0.013]	
8260D	mg/kg	1,1,1-Trichloroethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,1-Dichloroethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,1-Dichloroethene	NE	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	1,1-Dichloropropene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2,3-Trichlorobenzene	NE	ND [0.33]	ND [0.28]	ND [0.26]	ND [0.40] J-
8260D	mg/kg	1,2,3-Trichloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [0.33]**	**ND [0.28]**	**ND [0.26]**	**ND [0.40] J-**
8260D	mg/kg	1,2,4-Trimethylbenzene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2-Dichlorobenzene	0.035	**ND [0.082]**	**ND [0.070]**	**ND [0.065]**	**ND [0.10] J-**
8260D	mg/kg	1,2-Dichloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,3,5-Trimethylbenzene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,3-Dichlorobenzene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	2,2-Dichloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	2-Butanone	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	4-Isopropyltoluene	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	4-Methyl-2-pentanone	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Acetone	NE	ND [0.65] J-	ND [0.56] J-	ND [0.52] J-	ND [0.80] J-
8260D	mg/kg	Bromobenzene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Bromochloromethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Carbon disulfide	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Carbon tetrachloride	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Chlorobenzene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Chloroethane	NE	ND [0.16] J-	ND [0.14] J-	ND [0.13] J-	ND [0.20] J-
8260D	mg/kg	Chloromethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	cis-1,2-Dichloroethene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-

[1]MS/MSD was run only on 8270E and 8270ESIM methods

DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual

[ ] - Laboratory LOD

Solid shade indicates screening value exceedance

NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
8260D	mg/kg	Dichlorodifluoromethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Ethylbenzene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Isopropylbenzene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Methylene chloride	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	n-Butylbenzene	NE	ND [0.20]	ND [0.18]	ND [0.16]	ND [0.25] J-
8260D	mg/kg	n-Propylbenzene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	o-Xylene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	sec-Butylbenzene	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Styrene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	tert-Butylbenzene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Tetrachloroethene (PCE)	NE	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	Toluene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	trans-1,2-Dichloroethene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Trichloroethene (TCE)	NE	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	Trichlorofluoromethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Vinyl chloride	NE	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	Xylene, Isomers m & p	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8270E	mg/kg	1,2,4-Trichlorobenzene	0.031	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	1,2-Dichlorobenzene	0.035	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	1,3-Dichlorobenzene	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	1,4-Dichlorobenzene	0.11	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	1-Methylnaphthalene	NE	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2,4,5-Trichlorophenol	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2,4,6-Trichlorophenol	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2,4-Dichlorophenol	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2,4-Dimethylphenol	0.029	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	2,4-Dinitrophenol	NE	ND [1.2]	ND [1.1]	ND [0.99]	
8270E	mg/kg	2,4-Dinitrotoluene	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	2,6-Dinitrotoluene	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2-Chloronaphthalene	NE	ND [0.037]	ND [0.034]	ND [0.032]	
8270E	mg/kg	2-Chlorophenol	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.46]	ND [0.43]	ND [0.40]	
8270E	mg/kg	2-Methylnaphthalene	0.67	ND [0.014]	ND [0.013]	ND [0.012]	

[1]MS/MSD was run only on 8270E and 8270ESIM methods

DMMP - 2021 Dredged Material Evaluation and Disposal Procedures User Manual

[ ] - Laboratory LOD

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NE - Not Established

Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
8270E	mg/kg	2-Methylphenol (o-Cresol)	0.063	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2-Nitroaniline	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2-Nitrophenol	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	3,3'-Dichlorobenzidine	NE	ND [0.37]	ND [0.34]	ND [0.32]	
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	0.67	ND [0.046]	0.21 [0.043]	ND [0.040]	
8270E	mg/kg	3-Nitroaniline	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	4-Chloroaniline	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	4-Nitroaniline	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	4-Nitrophenol	NE	ND [0.46]	ND [0.43]	ND [0.40]	
8270E	mg/kg	Acenaphthene	0.5	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Acenaphthylene	0.56	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Anthracene	0.96	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(a)anthracene	1.3	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Benzo(a)pyrene	1.6	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(b)fluoranthene	3.2	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(g,h,i)perylene	0.67	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(k)fluoranthene	3.2	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzoic acid	0.65	ND [0.55]	ND [0.52]	ND [0.47]	
8270E	mg/kg	Benzyl alcohol	0.057	**ND [0.46]**	**ND [0.43]**	**ND [0.40]**	
8270E	mg/kg	Benzyl butyl phthalate	0.063	**ND [0.18]**	**ND [0.17]**	**ND [0.16]**	
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	bis-(2-Chloroethyl)ether	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	1.3	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Carbazole	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Chrysene	1.4	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Dibenzofuran	0.54	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Diethyl phthalate	0.2	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Dimethyl phthalate	0.071	**ND [0.18]**	**ND [0.17]**	**ND [0.16]**	
8270E	mg/kg	Di-n-butyl phthalate	1.4	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Di-n-octyl phthalate	6.2	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Fluoranthene	1.7	ND [0.0092]	0.0053 [0.0086] J B	ND [0.0079]	
8270E	mg/kg	Fluorene	0.54	ND [0.0092]	ND [0.0086]	ND [0.0079]	

[1]MS/MSD was run only on 8270E and 8270ESIM methods
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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
8270E	mg/kg	Hexachlorobenzene	0.022	**ND [0.045]**	**ND [0.043]**	**ND [0.039]**	
8270E	mg/kg	Hexachlorobutadiene	0.011	**ND [0.055]**	**ND [0.052]**	**ND [0.047]**	
8270E	mg/kg	Hexachlorocyclopentadiene	NE	R	R	R	
8270E	mg/kg	Hexachloroethane	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Isophorone	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Naphthalene	2.1	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Nitrobenzene	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	n-Nitrosodimethylamine	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	n-Nitrosodi-n-propylamine	NE	ND [0.069]	ND [0.064]	ND [0.059]	
8270E	mg/kg	n-Nitrosodiphenylamine	0.028	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	Pentachlorophenol	0.4	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Phenanthrene	1.5	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Phenol	0.42	ND [0.046]	0.062 [0.043]	ND [0.040]	
8270E	mg/kg	Pyrene	2.6	ND [0.0092]	0.0067 [0.0086] J B	0.0055 [0.0079] J B	
8270ESIM	mg/kg	1-Methylnaphthalene	NE	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	2-Methylnaphthalene	0.67	ND [0.0037]	ND [0.0034]	ND [0.0032]	
8270ESIM	mg/kg	Acenaphthene	0.5	ND [0.0018]	0.00087 [0.0017] J JN	ND [0.0016] JN	
8270ESIM	mg/kg	Acenaphthylene	0.56	ND [0.0018]	0.00092 [0.0017] J JN	ND [0.0016] JN	
8270ESIM	mg/kg	Anthracene	0.96	ND [0.0018]	0.0016 [0.0017] J JN	0.00088 [0.0016] J JN	
8270ESIM	mg/kg	Benzo(a)anthracene	1.3	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(a)pyrene	1.6	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(b)fluoranthene	3.2	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(g,h,i)perylene	0.67	0.0013 [0.0018] J	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(k)fluoranthene	3.2	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Chrysene	1.4	0.00078 [0.0018] J B	0.0013 [0.0017] J B	0.00055 [0.0016] J B	
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	0.23	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Fluoranthene	1.7	0.0015 [0.0018] J B	0.0034 [0.0017] JN	0.0018 [0.0016] J JN	
8270ESIM	mg/kg	Fluorene	0.54	ND [0.0018]	0.0012 [0.0017] J	ND [0.0016]	
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	0.6	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Naphthalene	2.1	ND [0.0037]	0.0024 [0.0034] J	ND [0.0032]	
8270ESIM	mg/kg	Phenanthrene	1.5	0.0014 [0.0028] J B	0.0029 [0.0026] J JN	0.0015 [0.0024] J JN	
8270ESIM	mg/kg	Pyrene	2.6	0.0023 [0.0018] B	0.0043 [0.0017] B	0.0017 [0.0016] J B	
AK101	mg/kg	Gasoline Range Organics (C6-C10)	NE	ND [0.70] J-	ND [0.61]	ND [0.56]	ND [0.86]

[1]MS/MSD was run only on 8270E and 8270ESIM methods
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Table 2: 2025 Homer Feasibility Study
Data Table
Comparison to DMMP Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**DMMP**			**Dup of 91 SD**	
D2216	PERCENT	Percent Moisture	NE	27.8 [1.0]	22.8 [1.0]	16.4 [1.0]	

[1]MS/MSD was run only on 8270E and 8270ESIM methods
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

			Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
			Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**				**Dup of 21 SD**	
6020B	mg/kg	Antimony	4.6	0.37 [0.24]	0.39 [0.15]	0.44 [0.19]	0.34 [0.20]	0.37 [0.20]
6020B	mg/kg	Arsenic	0.2	**14 [0.48]**	**13 [0.29]**	**10 [0.38]**	**11 [0.40]**	**9.2 [0.39]**
6020B	mg/kg	Cadmium	9.1	0.079 [0.12] J	0.097 [0.073]	0.095 [0.095] J	0.095 [0.099] J	0.11 [0.098] J
6020B	mg/kg	Chromium	100000	55 [0.57]	42 [0.35]	53 [0.45]	47 [0.47]	40 [0.47]
6020B	mg/kg	Copper	370	49 [0.54]	30 [0.33]	47 [0.43]	42 [0.45]	31 [0.44]
6020B	mg/kg	Lead	400	12 [0.24]	7.2 [0.15]	11 [0.19]	9.9 [0.20]	7.4 [0.20]
6020B	mg/kg	Nickel	340	41 [0.57]	31 [0.35]	41 [0.45]	38 [0.47]	32 [0.47]
6020B	mg/kg	Selenium	6.9	0.30 [0.30] J	0.18 [0.18] J	0.29 [0.24] J	0.26 [0.25] J	0.20 [0.25] J
6020B	mg/kg	Silver	11	0.13 [0.12] J	0.085 [0.073] J	0.13 [0.095]	0.13 [0.099]	0.088 [0.098] J
6020B	mg/kg	Zinc	4900	110 [12]	79 [7.3]	110 [9.5]	98 [9.9]	83 [9.8]
7471B	mg/kg	Mercury	0.36	0.14 [0.063]	0.084 [0.052]	0.13 [0.062]	0.12 [0.057]	0.098 [0.054]
8081B	mg/kg	4,4'-DDD	0.098	ND [0.013]	ND [0.011]	ND [0.013]	ND [0.012]	ND [0.011]
8081B	mg/kg	4,4'-DDE	0.72	ND [0.012]	ND [0.0094]	ND [0.011]	ND [0.011]	ND [0.0096]
8081B	mg/kg	4,4'-DDT	5.1	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Aldrin	0.0099	ND [0.0059]	ND [0.0048]	ND [0.0057]	ND [0.0054]	ND [0.0049]
8081B	mg/kg	alpha-BHC	0.0029	**ND [0.0063]**	**ND [0.0051]**	**ND [0.0060]**	**ND [0.0057]**	**ND [0.0052]**
8081B	mg/kg	beta-BHC	0.01	ND [0.0074]	ND [0.0060]	ND [0.0071]	ND [0.0068]	ND [0.0062]
8081B	mg/kg	cis-Chlordane	0.18	ND [0.0076]	ND [0.0062]	ND [0.0072]	ND [0.0069]	ND [0.0063]
8081B	mg/kg	delta-BHC	NE	ND [0.0074]	ND [0.0060]	ND [0.0071]	ND [0.0068]	ND [0.0062]
8081B	mg/kg	Dieldrin	0.0047	**ND [0.0099]**	**ND [0.0080]**	**ND [0.0094]**	**ND [0.0090]**	**ND [0.0082]**
8081B	mg/kg	Endosulfan I	9.3	ND [0.0049]	ND [0.0040]	ND [0.0047]	ND [0.0045]	ND [0.0041]
8081B	mg/kg	Endosulfan II	9.3	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8081B	mg/kg	Endosulfan sulfate	9.3	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Endrin	0.61	ND [0.0099]	ND [0.0080]	ND [0.0094]	ND [0.0090]	ND [0.0082]
8081B	mg/kg	Endrin aldehyde	NE	ND [0.014]	ND [0.011]	ND [0.013]	ND [0.013]	ND [0.012]
8081B	mg/kg	Endrin ketone	NE	ND [0.015]	ND [0.012]	ND [0.014]	ND [0.014]	ND [0.012]
8081B	mg/kg	gamma-BHC (Lindane)	0.016	ND [0.0049]	ND [0.0040]	ND [0.0047]	ND [0.0045]	ND [0.0041]
8081B	mg/kg	Heptachlor	0.0076	ND [0.0051]	ND [0.0042]	ND [0.0049]	ND [0.0047]	ND [0.0043]
8081B	mg/kg	Heptachlor Epoxide	0.0019	**ND [0.0058]**	**ND [0.0047]**	**ND [0.0055]**	**ND [0.0053]**	**ND [0.0048]**
8081B	mg/kg	Methoxychlor	13	ND [0.049]	ND [0.040]	ND [0.046]	ND [0.044]	ND [0.040]
8081B	mg/kg	Toxaphene	0.72	ND [0.23]	ND [0.19]	ND [0.22]	ND [0.21]	ND [0.19]
8081B	mg/kg	trans-Chlordane	0.18	ND [0.0049]	ND [0.0040]	ND [0.0047]	ND [0.0045]	ND [0.0041]
8082A	mg/kg	PCB-1016 (Aroclor 1016)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]

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ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**Dup of 21 SD**	
8082A	mg/kg	PCB-1221 (Aroclor 1221)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1232 (Aroclor 1232)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1242 (Aroclor 1242)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1248 (Aroclor 1248)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1254 (Aroclor 1254)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8082A	mg/kg	PCB-1260 (Aroclor 1260)	1	ND [0.018]	ND [0.015]	ND [0.017]	ND [0.017]	ND [0.015]
8260D	mg/kg	1,1,1-Trichloroethane	32	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloroethane	0.092	**ND [1.4]**	ND [0.083] J-	**ND [0.13]**	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloroethene	1.2	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,1-Dichloropropene	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2,3-Trichlorobenzene	0.15	**ND [5.5]**	**ND [0.33] J-**	**ND [0.50]**	**ND [0.36]**	**ND [0.35]**
8260D	mg/kg	1,2,3-Trichloropropane	0.000031	**ND [1.4]**	**ND [0.083] J-**	**ND [0.13]**	**ND [0.090]**	**ND [0.087]**
8260D	mg/kg	1,2,4-Trichlorobenzene	0.082	**ND [5.5]**	**ND [0.33] J-**	**ND [0.50]**	**ND [0.36]**	**ND [0.35]**
8260D	mg/kg	1,2,4-Trimethylbenzene	0.61	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2-Dichlorobenzene	2.4	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,2-Dichloropropane	0.03	**ND [1.4]**	**ND [0.083] J-**	**ND [0.13]**	**ND [0.090]**	**ND [0.087]**
8260D	mg/kg	1,3,5-Trimethylbenzene	0.66	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,3-Dichlorobenzene	2.3	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	2,2-Dichloropropane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	2-Butanone	15	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	4-Isopropyltoluene	NE	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	4-Methyl-2-pentanone	18	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Acetone	38	ND [11] J-	ND [0.67] J-	ND [1.0] J-	ND [0.72] J-	ND [0.69] J-
8260D	mg/kg	Bromobenzene	0.36	**ND [0.68]**	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Bromochloromethane	NE	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Carbon disulfide	2.9	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Carbon tetrachloride	0.021	**ND [2.7]**	**ND [0.17] J-**	**ND [0.25]**	**ND [0.18]**	**ND [0.17]**
8260D	mg/kg	Chlorobenzene	0.46	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Chloroethane	72	ND [2.7] J-	ND [0.17] J-	ND [0.25] J-	ND [0.18] J-	ND [0.17] J-
8260D	mg/kg	Chloromethane	0.61	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	cis-1,2-Dichloroethene	0.12	**ND [1.4]**	ND [0.083] J-	**ND [0.13]**	ND [0.090]	ND [0.087]

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Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**Dup of 21 SD**	
8260D	mg/kg	Dichlorodifluoromethane	3.9	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Ethylbenzene	0.13	**ND [0.68]**	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Isopropylbenzene	5.6	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	Methylene chloride	0.33	**ND [2.7]**	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	0.4	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	n-Butylbenzene	20	ND [3.4]	ND [0.21] J-	ND [0.31]	ND [0.23]	ND [0.22]
8260D	mg/kg	n-Propylbenzene	9.1	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	o-Xylene	1.5	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	sec-Butylbenzene	28	ND [2.7]	ND [0.17] J-	ND [0.25]	ND [0.18]	ND [0.17]
8260D	mg/kg	Styrene	10	ND [0.68]	ND [0.042] J-	ND [0.063]	ND [0.045]	ND [0.043]
8260D	mg/kg	tert-Butylbenzene	11	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Tetrachloroethene (PCE)	0.19	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Toluene	6.7	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	trans-1,2-Dichloroethene	1.3	**ND [1.4]**	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Trichloroethene (TCE)	0.011	**ND [1.4]**	**ND [0.083] J-**	**ND [0.13]**	**ND [0.090]**	**ND [0.087]**
8260D	mg/kg	Trichlorofluoromethane	41	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8260D	mg/kg	Vinyl chloride	0.0008	**ND [1.4]**	**ND [0.083] J-**	**ND [0.13]**	**ND [0.090]**	**ND [0.087]**
8260D	mg/kg	Xylene, Isomers m & p	1.5	ND [1.4]	ND [0.083] J-	ND [0.13]	ND [0.090]	ND [0.087]
8270E	mg/kg	1,2,4-Trichlorobenzene	0.082	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	1,2-Dichlorobenzene	2.4	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	1,3-Dichlorobenzene	2.3	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	1,4-Dichlorobenzene	0.037	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	1-Methylnaphthalene	0.41	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2,4,5-Trichlorophenol	28	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2,4,6-Trichlorophenol	0.092	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2,4-Dichlorophenol	0.21	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2,4-Dimethylphenol	3.2	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2,4-Dinitrophenol	0.34	**ND [1.4]**	**ND [1.1]**	**ND [1.3]**	**ND [1.3]**	**ND [1.2]**
8270E	mg/kg	2,4-Dinitrotoluene	0.024	**ND [0.11]**	**ND [0.089]**	**ND [0.10]**	**ND [0.10]**	**ND [0.092]**
8270E	mg/kg	2,6-Dinitrotoluene	0.005	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	2-Chloronaphthalene	26	ND [0.044]	ND [0.036]	ND [0.041]	ND [0.040]	ND [0.037]
8270E	mg/kg	2-Chlorophenol	0.71	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.55]	ND [0.45]	ND [0.52]	ND [0.50]	ND [0.46]
8270E	mg/kg	2-Methylnaphthalene	1.3	ND [0.017]	ND [0.013]	ND [0.016]	ND [0.015]	ND [0.014]

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			Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
			Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**				**Dup of 21 SD**	
8270E	mg/kg	2-Methylphenol (o-Cresol)	6.2	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	2-Nitroaniline	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	2-Nitrophenol	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	3,3'-Dichlorobenzidine	0.056	**ND [0.44]**	**ND [0.36]**	**ND [0.41]**	**ND [0.40]**	**ND [0.37]**
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	6.1	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	3-Nitroaniline	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.066]	ND [0.054]	ND [0.062]	ND [0.060]	ND [0.055]
8270E	mg/kg	4-Chloroaniline	0.015	**ND [0.11]**	**ND [0.089]**	**ND [0.10]**	**ND [0.10]**	**ND [0.092]**
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	4-Nitroaniline	NE	ND [0.11]	ND [0.089]	ND [0.10]	ND [0.10]	ND [0.092]
8270E	mg/kg	4-Nitrophenol	NE	ND [0.55]	ND [0.45]	ND [0.52]	ND [0.50]	ND [0.46]
8270E	mg/kg	Acenaphthene	37	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Acenaphthylene	18	ND [0.013]	ND [0.011]	ND [0.012]	ND [0.012]	ND [0.011]
8270E	mg/kg	Anthracene	390	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(a)anthracene	0.7	ND [0.022]	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Benzo(a)pyrene	1.5	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(b)fluoranthene	15	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(g,h,i)perylene	2300	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzo(k)fluoranthene	150	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]
8270E	mg/kg	Benzoic acid	200	ND [0.66]	ND [0.54]	ND [0.62]	ND [0.60]	ND [0.55]
8270E	mg/kg	Benzyl alcohol	5.7	ND [0.55]	ND [0.45]	ND [0.52]	ND [0.50]	ND [0.46]
8270E	mg/kg	Benzyl butyl phthalate	16	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	bis-(2-Chloroethyl)ether	0.00042	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	88	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Carbazole	NE	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Chrysene	600	ND [0.011]	ND [0.0089]	0.0056 [0.010] J JN	ND [0.010] JN	ND [0.0092]
8270E	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.022]	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Dibenzofuran	0.97	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Diethyl phthalate	60	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Dimethyl phthalate	48	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Di-n-butyl phthalate	16	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Di-n-octyl phthalate	370	ND [0.22]	ND [0.18]	ND [0.21]	ND [0.20]	ND [0.18]
8270E	mg/kg	Fluoranthene	590	ND [0.011]	ND [0.0089]	0.0098 [0.010] J JN	0.0053 [0.010] J JN	ND [0.0092]
8270E	mg/kg	Fluorene	36	ND [0.011]	ND [0.0089]	ND [0.010]	ND [0.010]	ND [0.0092]

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Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
		Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**Dup of 21 SD**	
8270E	mg/kg	Hexachlorobenzene	0.0082	**ND [0.055]**	**ND [0.044]**	**ND [0.051]**	**ND [0.050]**	**ND [0.045]**
8270E	mg/kg	Hexachlorobutadiene	0.02	**ND [0.066]**	**ND [0.054]**	**ND [0.062]**	**ND [0.060]**	**ND [0.055]**
8270E	mg/kg	Hexachlorocyclopentadiene	0.0093	R	R	R	R	R
8270E	mg/kg	Hexachloroethane	0.018	**ND [0.11]**	**ND [0.089]**	**ND [0.10]**	**ND [0.10]**	**ND [0.092]**
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	15	ND [0.013]	ND [0.011]	ND [0.012]	ND [0.012]	ND [0.011]
8270E	mg/kg	Isophorone	2.7	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Naphthalene	0.038	**0.069 [0.022]**	ND [0.018]	ND [0.021]	ND [0.020]	ND [0.018]
8270E	mg/kg	Nitrobenzene	0.0079	**ND [0.055]**	**ND [0.045]**	**ND [0.052]**	**ND [0.050]**	**ND [0.046]**
8270E	mg/kg	n-Nitrosodimethylamine	0.0000033	**ND [0.11]**	**ND [0.089]**	**ND [0.10]**	**ND [0.10]**	**ND [0.092]**
8270E	mg/kg	n-Nitrosodi-n-propylamine	0.00068	**ND [0.083]**	**ND [0.067]**	**ND [0.078]**	**ND [0.075]**	**ND [0.069]**
8270E	mg/kg	n-Nitrosodiphenylamine	4.6	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Pentachlorophenol	0.0043	**ND [0.22]**	**ND [0.18]**	**ND [0.21]**	**ND [0.20]**	**ND [0.18]**
8270E	mg/kg	Phenanthrene	39	ND [0.013]	ND [0.011]	0.0067 [0.012] J	0.0067 [0.012] J	ND [0.011]
8270E	mg/kg	Phenol	29	ND [0.055]	ND [0.045]	ND [0.052]	ND [0.050]	ND [0.046]
8270E	mg/kg	Pyrene	87	ND [0.011]	0.0075 [0.0089] J B	0.0096 [0.010] J B	ND [0.010]	ND [0.0092]
8270ESIM	mg/kg	1-Methylnaphthalene	0.41	ND [0.0022]	0.00094 [0.0018] J	ND [0.0021]	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	2-Methylnaphthalene	1.3	0.0026 [0.0044] J	ND [0.0036]	ND [0.0041]	ND [0.0040]	ND [0.0037]
8270ESIM	mg/kg	Acenaphthene	37	ND [0.0022]	0.0012 [0.0018] J	0.0012 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Acenaphthylene	18	0.00062 [0.0022] J	0.0010 [0.0018] J	0.00091 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Anthracene	390	0.0011 [0.0022] J B	0.0011 [0.0018] J B	0.0026 [0.0021] JN	0.0012 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(a)anthracene	0.7	ND [0.0022]	ND [0.0018]	0.0034 [0.0021] JN	0.0014 [0.0020] J	ND [0.0018]
8270ESIM	mg/kg	Benzo(a)pyrene	1.5	ND [0.0022]	0.00091 [0.0018] J B	0.0024 [0.0021] J JN	0.0012 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(b)fluoranthene	15	ND [0.0022]	0.0011 [0.0018] J B	0.0030 [0.0021] JN	0.0013 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(g,h,i)perylene	2300	ND [0.0022]	0.0016 [0.0018] J	0.0024 [0.0021] J JN	0.0014 [0.0020] J JN	ND [0.0018]
8270ESIM	mg/kg	Benzo(k)fluoranthene	150	ND [0.0022]	ND [0.0018]	0.0016 [0.0021] J	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	Chrysene	600	0.00082 [0.0022] J B	ND [0.0018]	0.0030 [0.0021] JN	0.0017 [0.0020] J JN	0.00079 [0.0018] J B
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.0022]	ND [0.0018]	0.0011 [0.0021] J JN	ND [0.0020] JN	ND [0.0018]
8270ESIM	mg/kg	Fluoranthene	590	0.0024 [0.0022] J B	0.0020 [0.0018] J B	0.0073 [0.0021] JN	0.0043 [0.0020] JN	0.0016 [0.0018] J B
8270ESIM	mg/kg	Fluorene	36	0.0020 [0.0022] J	0.0012 [0.0018] J	0.0018 [0.0021] J	0.0012 [0.0020] J	ND [0.0018]
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	15	ND [0.0022]	ND [0.0018]	0.0021 [0.0021] J	ND [0.0020]	ND [0.0018]
8270ESIM	mg/kg	Naphthalene	0.038	**0.062 [0.0044]**	0.0038 [0.0036] J	ND [0.0041]	ND [0.0040]	ND [0.0037]
8270ESIM	mg/kg	Phenanthrene	39	0.0040 [0.0033] B	0.0018 [0.0027] J B	0.0058 [0.0031] B	0.0039 [0.0030] B	0.0015 [0.0028] J
8270ESIM	mg/kg	Pyrene	87	0.0023 [0.0022] J B	0.0038 [0.0018] B	0.0075 [0.0021] B	0.0059 [0.0020] B	0.0025 [0.0018] B
AK101	mg/kg	Gasoline Range Organics (C6-C10)	300	ND [4.7] J-	ND [0.72]	ND [1.1] J-	ND [0.78] J-	ND [0.75]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
NE - Not Established

Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

			Sample ID	26-HOM-CW 11 SD	26-HOM-CW 12 SD	26-HOM-CW 21 SD	26-HOM-CW 20 SD	26-HOM-CW 22 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/11/2025 10:28	10/11/2025 10:50	10/08/2025 22:15	10/08/2025 22:00	10/09/2025 00:20
			Lab Sample ID	580-154935-12	580-154935-13	580-154935-4	580-154935-3	580-154935-5
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**				**Dup of 21 SD**	
D2216	PERCENT	Percent Moisture	NE	40.0 [1.0]	26.0 [1.0]	36.5 [1.0]	34.4 [1.0]	27.8 [1.0]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**	**MS/MSD[1]**			
6020B	mg/kg	Antimony	4.6	0.42 [0.20]	0.43 [0.20]	0.53 [0.19]	0.34 [0.15]	0.30 [0.20]
6020B	mg/kg	Arsenic	0.2	**10 [0.41]**	**9.9 [0.41]**	**15 [0.39]**	**10 [0.29]**	**11 [0.40]**
6020B	mg/kg	Cadmium	9.1	0.098 [0.10] J	0.13 [0.10]	0.13 [0.097]	0.11 [0.073]	0.11 [0.10] J
6020B	mg/kg	Chromium	100000	39 [0.49]	52 [0.49]	44 [0.47]	41 [0.35]	42 [0.48]
6020B	mg/kg	Copper	370	32 [0.46]	44 [0.46]	40 [0.44]	34 [0.33]	37 [0.45]
6020B	mg/kg	Lead	400	7.3 [0.20]	10 [0.20]	9.1 [0.19]	7.8 [0.15]	8.7 [0.20]
6020B	mg/kg	Nickel	340	30 [0.48]	39 [0.49]	36 [0.46]	33 [0.35]	33 [0.48]
6020B	mg/kg	Selenium	6.9	0.20 [0.26] J	0.33 [0.26] J	0.28 [0.24] J	0.19 [0.18] J	0.22 [0.25] J
6020B	mg/kg	Silver	11	0.085 [0.10] J	0.12 [0.10] J	0.10 [0.097] J	0.085 [0.073] J	0.10 [0.10] J
6020B	mg/kg	Zinc	4900	78 [10]	100 [10]	90 [9.7]	82 [7.3]	86 [10]
7471B	mg/kg	Mercury	0.36	0.095 [0.053]	0.12 [0.060]	0.11 [0.052]	0.098 [0.051]	0.11 [0.056]
8081B	mg/kg	4,4'-DDD	0.098	ND [0.011]	ND [0.012]	ND [0.011]	ND [0.011]	ND [0.012]
8081B	mg/kg	4,4'-DDE	0.72	ND [0.0092]	ND [0.011]	ND [0.0095]	ND [0.0092]	ND [0.010]
8081B	mg/kg	4,4'-DDT	5.1	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Aldrin	0.0099	ND [0.0047]	ND [0.0054]	ND [0.0049]	ND [0.0048]	ND [0.0052]
8081B	mg/kg	alpha-BHC	0.0029	**ND [0.0050]**	**ND [0.0057]**	**ND [0.0052]**	**ND [0.0050]**	**ND [0.0055]**
8081B	mg/kg	beta-BHC	0.01	ND [0.0059]	ND [0.0068]	ND [0.0061]	ND [0.0059]	ND [0.0065]
8081B	mg/kg	cis-Chlordane	0.18	ND [0.0061]	ND [0.0069]	ND [0.0063]	ND [0.0061]	ND [0.0066]
8081B	mg/kg	delta-BHC	NE	ND [0.0059]	ND [0.0068]	ND [0.0061]	ND [0.0059]	ND [0.0065]
8081B	mg/kg	Dieldrin	0.0047	**ND [0.0079]**	**ND [0.0090]**	**ND [0.0082]**	**ND [0.0079]**	**ND [0.0086]**
8081B	mg/kg	Endosulfan I	9.3	ND [0.0040]	ND [0.0045]	ND [0.0041]	ND [0.0040]	ND [0.0043]
8081B	mg/kg	Endosulfan II	9.3	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8081B	mg/kg	Endosulfan sulfate	9.3	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Endrin	0.61	ND [0.0079]	ND [0.0090]	ND [0.0082]	ND [0.0079]	ND [0.0086]
8081B	mg/kg	Endrin aldehyde	NE	ND [0.011]	ND [0.013]	ND [0.012]	ND [0.011]	ND [0.012]
8081B	mg/kg	Endrin ketone	NE	ND [0.012]	ND [0.014]	ND [0.012]	ND [0.012]	ND [0.013]
8081B	mg/kg	gamma-BHC (Lindane)	0.016	ND [0.0040]	ND [0.0045]	ND [0.0041]	ND [0.0040]	ND [0.0043]
8081B	mg/kg	Heptachlor	0.0076	ND [0.0041]	ND [0.0047]	ND [0.0042]	ND [0.0041]	ND [0.0045]
8081B	mg/kg	Heptachlor Epoxide	0.0019	**ND [0.0046]**	**ND [0.0053]**	**ND [0.0048]**	**ND [0.0046]**	**ND [0.0050]**
8081B	mg/kg	Methoxychlor	13	ND [0.039]	ND [0.044]	ND [0.040]	ND [0.039]	ND [0.043]
8081B	mg/kg	Toxaphene	0.72	ND [0.18]	ND [0.21]	ND [0.19]	ND [0.18]	ND [0.20]
8081B	mg/kg	trans-Chlordane	0.18	ND [0.0040]	ND [0.0045]	ND [0.0041]	ND [0.0040]	ND [0.0043]
8082A	mg/kg	PCB-1016 (Aroclor 1016)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**MS/MSD[1]**	
8082A	mg/kg	PCB-1221 (Aroclor 1221)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1232 (Aroclor 1232)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1242 (Aroclor 1242)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1248 (Aroclor 1248)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1254 (Aroclor 1254)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8082A	mg/kg	PCB-1260 (Aroclor 1260)	1	ND [0.015]	ND [0.017]	ND [0.015]	ND [0.015]	ND [0.016]
8260D	mg/kg	1,1,1-Trichloroethane	32	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,1-Dichloroethane	0.092	ND [0.087]	ND [0.087]	**ND [0.11]**	ND [0.071]	**ND [0.11]**
8260D	mg/kg	1,1-Dichloroethene	1.2	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,1-Dichloropropene	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2,3-Trichlorobenzene	0.15	**ND [0.35]**	**ND [0.35]**	**ND [0.43]**	**ND [0.28]**	**ND [0.44]**
8260D	mg/kg	1,2,3-Trichloropropane	0.000031	**ND [0.087]**	**ND [0.087]**	**ND [0.11]**	**ND [0.071]**	**ND [0.11]**
8260D	mg/kg	1,2,4-Trichlorobenzene	0.082	**ND [0.35]**	**ND [0.35]**	**ND [0.43]**	**ND [0.28]**	**ND [0.44]**
8260D	mg/kg	1,2,4-Trimethylbenzene	0.61	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2-Dichlorobenzene	2.4	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,2-Dichloropropane	0.03	**ND [0.087]**	**ND [0.087]**	**ND [0.11]**	**ND [0.071]**	**ND [0.11]**
8260D	mg/kg	1,3,5-Trimethylbenzene	0.66	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,3-Dichlorobenzene	2.3	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	2,2-Dichloropropane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	2-Butanone	15	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	4-Isopropyltoluene	NE	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	4-Methyl-2-pentanone	18	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Acetone	38	ND [0.70] J-	ND [0.70] J-	ND [0.85] J-	ND [0.57] J-	ND [0.88] J-
8260D	mg/kg	Bromobenzene	0.36	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Bromochloromethane	NE	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Carbon disulfide	2.9	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Carbon tetrachloride	0.021	**ND [0.17]**	**ND [0.17]**	**ND [0.21]**	**ND [0.14]**	**ND [0.22]**
8260D	mg/kg	Chlorobenzene	0.46	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Chloroethane	72	ND [0.17] J-	ND [0.17] J-	ND [0.21] J-	ND [0.14] J-	ND [0.22] J-
8260D	mg/kg	Chloromethane	0.61	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	cis-1,2-Dichloroethene	0.12	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
NE - Not Established

Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**MS/MSD[1]**	
8260D	mg/kg	Dichlorodifluoromethane	3.9	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Ethylbenzene	0.13	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Isopropylbenzene	5.6	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	Methylene chloride	0.33	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	0.4	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	n-Butylbenzene	20	ND [0.22]	ND [0.22]	ND [0.27]	ND [0.18]	ND [0.27]
8260D	mg/kg	n-Propylbenzene	9.1	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	o-Xylene	1.5	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	sec-Butylbenzene	28	ND [0.17]	ND [0.17]	ND [0.21]	ND [0.14]	ND [0.22]
8260D	mg/kg	Styrene	10	ND [0.044]	ND [0.043]	ND [0.053]	ND [0.036]	ND [0.055]
8260D	mg/kg	tert-Butylbenzene	11	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Tetrachloroethene (PCE)	0.19	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Toluene	6.7	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	trans-1,2-Dichloroethene	1.3	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Trichloroethene (TCE)	0.011	**ND [0.087]**	**ND [0.087]**	**ND [0.11]**	**ND [0.071]**	**ND [0.11]**
8260D	mg/kg	Trichlorofluoromethane	41	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8260D	mg/kg	Vinyl chloride	0.0008	**ND [0.087]**	**ND [0.087]**	**ND [0.11]**	**ND [0.071]**	**ND [0.11]**
8260D	mg/kg	Xylene, Isomers m & p	1.5	ND [0.087]	ND [0.087]	ND [0.11]	ND [0.071]	ND [0.11]
8270E	mg/kg	1,2,4-Trichlorobenzene	0.082	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	1,2-Dichlorobenzene	2.4	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	1,3-Dichlorobenzene	2.3	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	1,4-Dichlorobenzene	0.037	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	1-Methylnaphthalene	0.41	ND [0.0088]	ND [0.0099]	ND [0.0091] JN	ND [0.0089]	ND [0.0097]
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	2,4,5-Trichlorophenol	28	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	2,4,6-Trichlorophenol	0.092	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	2,4-Dichlorophenol	0.21	ND [0.053]	ND [0.060]	ND [0.055] JN	ND [0.053]	ND [0.058]
8270E	mg/kg	2,4-Dimethylphenol	3.2	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	2,4-Dinitrophenol	0.34	**ND [1.1]**	**ND [1.3]**	R	**ND [1.1]**	**ND [1.2]**
8270E	mg/kg	2,4-Dinitrotoluene	0.024	**ND [0.088]**	**ND [0.099]**	**ND [0.091]**	**ND [0.089]**	**ND [0.097]**
8270E	mg/kg	2,6-Dinitrotoluene	0.005	**ND [0.044]**	**ND [0.050]**	**ND [0.046]**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	2-Chloronaphthalene	26	ND [0.035]	ND [0.040]	ND [0.037]	ND [0.035]	ND [0.039]
8270E	mg/kg	2-Chlorophenol	0.71	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.44]	ND [0.50]	ND [0.46] J-	ND [0.44]	ND [0.48]
8270E	mg/kg	2-Methylnaphthalene	1.3	ND [0.013]	ND [0.015]	ND [0.014] JN	ND [0.013]	ND [0.014]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
NE - Not Established

Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**			**MS/MSD[1]**	
8270E	mg/kg	2-Methylphenol (o-Cresol)	6.2	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	2-Nitroaniline	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	2-Nitrophenol	NE	ND [0.053]	ND [0.060]	ND [0.055] JN	ND [0.053]	ND [0.058]
8270E	mg/kg	3,3'-Dichlorobenzidine	0.056	**ND [0.35]**	**ND [0.40]**	**ND [0.37] JN**	**ND [0.35]**	**ND [0.39]**
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	6.1	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	3-Nitroaniline	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.044]	ND [0.050]	ND [0.046] JN	ND [0.044]	ND [0.048]
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.053]	ND [0.060]	ND [0.055]	ND [0.053]	ND [0.058]
8270E	mg/kg	4-Chloroaniline	0.015	**ND [0.088]**	**ND [0.099]**	**ND [0.091]**	**ND [0.089]**	**ND [0.097]**
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	4-Nitroaniline	NE	ND [0.088]	ND [0.099]	ND [0.091]	ND [0.089]	ND [0.097]
8270E	mg/kg	4-Nitrophenol	NE	ND [0.44]	ND [0.50]	ND [0.46]	ND [0.44]	ND [0.48]
8270E	mg/kg	Acenaphthene	37	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Acenaphthylene	18	ND [0.011]	ND [0.012]	ND [0.011]	ND [0.011]	ND [0.012]
8270E	mg/kg	Anthracene	390	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(a)anthracene	0.7	0.013 [0.018] J	ND [0.020]	ND [0.018] J-	ND [0.018]	ND [0.019]
8270E	mg/kg	Benzo(a)pyrene	1.5	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(b)fluoranthene	15	0.0096 [0.0088] J	ND [0.0099]	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(g,h,i)perylene	2300	0.0069 [0.0088] J	ND [0.0099]	ND [0.0091] JN	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzo(k)fluoranthene	150	0.0061 [0.0088] J	ND [0.0099]	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Benzoic acid	200	ND [0.53]	ND [0.60]	R	ND [0.53]	ND [0.58]
8270E	mg/kg	Benzyl alcohol	5.7	ND [0.44]	ND [0.50]	ND [0.46]	ND [0.44]	ND [0.48]
8270E	mg/kg	Benzyl butyl phthalate	16	ND [0.18]	ND [0.20]	ND [0.18]	ND [0.18]	ND [0.19]
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	bis-(2-Chloroethyl)ether	0.00042	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	88	ND [0.18]	ND [0.20]	ND [0.18]	ND [0.18]	ND [0.19]
8270E	mg/kg	Carbazole	NE	ND [0.044]	ND [0.050]	ND [0.046] J-	ND [0.044]	ND [0.048]
8270E	mg/kg	Chrysene	600	0.011 [0.0088] J	0.0066 [0.0099] J	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.018]	ND [0.020]	ND [0.018]	ND [0.018]	ND [0.019]
8270E	mg/kg	Dibenzofuran	0.97	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Diethyl phthalate	60	ND [0.18]	ND [0.20]	ND [0.18] J-	ND [0.18]	ND [0.19]
8270E	mg/kg	Dimethyl phthalate	48	ND [0.18]	ND [0.20]	ND [0.18] J-	ND [0.18]	ND [0.19]
8270E	mg/kg	Di-n-butyl phthalate	16	ND [0.18]	ND [0.20]	ND [0.18] JN	ND [0.18]	ND [0.19]
8270E	mg/kg	Di-n-octyl phthalate	370	ND [0.18]	ND [0.20]	ND [0.18] J-	ND [0.18]	ND [0.19]
8270E	mg/kg	Fluoranthene	590	0.019 [0.0088] J B	0.0088 [0.0099] J B	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270E	mg/kg	Fluorene	36	ND [0.0088]	ND [0.0099]	ND [0.0091]	ND [0.0089]	ND [0.0097]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
		Location ID	25-056	25-056	25-056	25-056	25-056
		Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
		Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
		Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**	**MS/MSD[1]**			
8270E	mg/kg	Hexachlorobenzene	0.0082	**ND [0.044]**	**ND [0.049]**	**ND [0.045]**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	Hexachlorobutadiene	0.02	**ND [0.053]**	**ND [0.060]**	**ND [0.055] JN**	**ND [0.053]**	**ND [0.058]**
8270E	mg/kg	Hexachlorocyclopentadiene	0.0093	R	R	R	R	R
8270E	mg/kg	Hexachloroethane	0.018	**ND [0.088]**	**ND [0.099]**	**ND [0.091] J-**	**ND [0.089]**	**ND [0.097]**
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	15	0.0086 [0.011] J	ND [0.012]	ND [0.011]	0.0060 [0.011] J	ND [0.012]
8270E	mg/kg	Isophorone	2.7	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Naphthalene	0.038	ND [0.018]	ND [0.020]	ND [0.018] J-	ND [0.018]	ND [0.019]
8270E	mg/kg	Nitrobenzene	0.0079	**ND [0.044]**	**ND [0.050]**	**ND [0.046] JN**	**ND [0.044]**	**ND [0.048]**
8270E	mg/kg	n-Nitrosodimethylamine	0.0000033	**ND [0.088]**	**ND [0.099]**	**ND [0.091] JN**	**ND [0.089]**	**ND [0.097]**
8270E	mg/kg	n-Nitrosodi-n-propylamine	0.00068	**ND [0.066]**	**ND [0.074]**	**ND [0.069] JN**	**ND [0.066]**	**ND [0.072]**
8270E	mg/kg	n-Nitrosodiphenylamine	4.6	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Pentachlorophenol	0.0043	**ND [0.18]**	**ND [0.20]**	**ND [0.18]**	**ND [0.18]**	**ND [0.19]**
8270E	mg/kg	Phenanthrene	39	0.010 [0.011] J	ND [0.012]	ND [0.011] J-	ND [0.011]	ND [0.012]
8270E	mg/kg	Phenol	29	ND [0.044]	ND [0.050]	ND [0.046]	ND [0.044]	ND [0.048]
8270E	mg/kg	Pyrene	87	0.015 [0.0088] J B	0.011 [0.0099] J B	ND [0.0091] J-	ND [0.0089]	ND [0.0097]
8270ESIM	mg/kg	1-Methylnaphthalene	0.41	ND [0.018]	ND [0.0020]	ND [0.018] JN	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	2-Methylnaphthalene	1.3	ND [0.035]	ND [0.0040]	ND [0.037]	ND [0.0035]	ND [0.0039]
8270ESIM	mg/kg	Acenaphthene	37	ND [0.018]	ND [0.0020]	ND [0.018] JN	0.00096 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Acenaphthylene	18	ND [0.018]	ND [0.0020]	ND [0.018] JN	0.00052 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Anthracene	390	ND [0.018]	0.0010 [0.0020] J B	ND [0.018]	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(a)anthracene	0.7	ND [0.018]	0.0036 [0.0020] B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(a)pyrene	1.5	ND [0.018]	0.0021 [0.0020] J B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(b)fluoranthene	15	0.012 [0.018] J	0.0029 [0.0020] B	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Benzo(g,h,i)perylene	2300	ND [0.018]	0.0017 [0.0020] J	ND [0.018] JN	0.0010 [0.0018] J	0.00098 [0.0019] J
8270ESIM	mg/kg	Benzo(k)fluoranthene	150	ND [0.018]	0.0015 [0.0020] J	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Chrysene	600	0.0082 [0.018] J B	0.0030 [0.0020] B	ND [0.018] J-	ND [0.0018]	0.00094 [0.0019] J B
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.018]	ND [0.0020]	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Fluoranthene	590	0.017 [0.018] J	0.0068 [0.0020] B	ND [0.018] JN	0.0020 [0.0018] J B	0.0023 [0.0019] J B
8270ESIM	mg/kg	Fluorene	36	ND [0.018]	ND [0.0020]	ND [0.018]	0.00091 [0.0018] J	ND [0.0019]
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	15	ND [0.018]	0.0014 [0.0020] J	ND [0.018] J-	ND [0.0018]	ND [0.0019]
8270ESIM	mg/kg	Naphthalene	0.038	ND [0.035]	ND [0.0040]	ND [0.037]	ND [0.0035]	ND [0.0039]
8270ESIM	mg/kg	Phenanthrene	39	ND [0.026]	0.0023 [0.0030] J B	ND [0.027]	ND [0.0027]	0.0019 [0.0029] J B
8270ESIM	mg/kg	Pyrene	87	0.017 [0.018] J	0.0072 [0.0020] B	ND [0.018]	0.0027 [0.0018] B	0.0032 [0.0019] B
AK101	mg/kg	Gasoline Range Organics (C6-C10)	300	ND [0.75]	ND [0.75] J-	ND [0.92]	ND [0.61] J-	ND [0.95]

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ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

			Sample ID	26-HOM-CW 23 SD	26-HOM-CW 31 SD	26-HOM-CW 32 SD	26-HOM-CW 33 SD	26-HOM-CW 81 SD
			Location ID	25-056	25-056	25-056	25-056	25-056
			Collection Date	10/09/2025 00:40	10/10/2025 20:13	10/10/2025 21:06	10/10/2025 21:15	10/07/2025 15:15
			Lab Sample ID	580-154935-6	580-154935-9	580-154935-10	580-154935-11	580-154935-1
			Matrix	Sediment	Sediment	Sediment	Sediment	Sediment
Method	**Units**	**Analyte**	**ADEC**	**MS/MSD[1]**				
D2216	PERCENT	Percent Moisture	NE	24.6 [1.0]	33.6 [1.0]	27.3 [1.0]	25.0 [1.0]	31.3 [1.0]

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID Location ID Collection Date Lab Sample ID Matrix	26-HOM-CW 82 SD 25-056 10/07/2025 16:15 580-154935-2 Sediment	26-HOM-CW 91 SD 25-056 10/09/2025 11:40 580-154935-8 Sediment	26-HOM-CW 90 SD 25-056 10/09/2025 11:30 580-154935-7 Sediment	TB 1 25-056 10/06/2025 00:00 580-154935-14 Soil
Method	**Units**	**Analyte**	**ADEC**		**Dup of 91 SD**	
6020B	mg/kg	Antimony	4.6	0.21 [0.16]	0.26 [0.16]	0.17 [0.15] J	
6020B	mg/kg	Arsenic	0.2	**7.8 [0.31]**	**13 [0.33]**	**12 [0.30]**	
6020B	mg/kg	Cadmium	9.1	0.10 [0.079]	0.057 [0.082] J	ND [0.075]	
6020B	mg/kg	Chromium	100000	47 [0.38]	22 [0.39]	22 [0.36]	
6020B	mg/kg	Copper	370	40 [0.35]	15 [0.37]	15 [0.34]	
6020B	mg/kg	Lead	400	9.0 [0.16]	4.4 [0.16]	4.6 [0.15]	
6020B	mg/kg	Nickel	340	36 [0.37]	16 [0.39]	18 [0.36]	
6020B	mg/kg	Selenium	6.9	0.21 [0.20] J	0.14 [0.20] J	0.15 [0.19] J	
6020B	mg/kg	Silver	11	0.092 [0.079] J	0.046 [0.082] J	0.038 [0.075] J	
6020B	mg/kg	Zinc	4900	94 [7.9]	42 [8.2]	46 [7.5]	
7471B	mg/kg	Mercury	0.36	0.11 [0.055]	0.049 [0.049] J	0.040 [0.046] J	
8081B	mg/kg	4,4'-DDD	0.098	ND [0.011]	ND [0.021]	ND [0.0095]	
8081B	mg/kg	4,4'-DDE	0.72	ND [0.0096]	ND [0.018]	ND [0.0083]	
8081B	mg/kg	4,4'-DDT	5.1	ND [0.0082]	ND [0.016]	ND [0.0071]	
8081B	mg/kg	Aldrin	0.0099	ND [0.0049]	ND [0.0093]	ND [0.0043]	
8081B	mg/kg	alpha-BHC	0.0029	**ND [0.0052]**	**ND [0.0098]**	**ND [0.0045]**	
8081B	mg/kg	beta-BHC	0.01	ND [0.0062]	**ND [0.012]**	ND [0.0053]	
8081B	mg/kg	cis-Chlordane	0.18	ND [0.0063]	ND [0.012]	ND [0.0055]	
8081B	mg/kg	delta-BHC	NE	ND [0.0062]	ND [0.012]	ND [0.0053]	
8081B	mg/kg	Dieldrin	0.0047	**ND [0.0082]**	**ND [0.016]**	**ND [0.0071]**	
8081B	mg/kg	Endosulfan I	9.3	ND [0.0041]	ND [0.0078]	ND [0.0036]	
8081B	mg/kg	Endosulfan II	9.3	ND [0.015]	ND [0.028]	ND [0.013]	
8081B	mg/kg	Endosulfan sulfate	9.3	ND [0.0082]	ND [0.016]	ND [0.0071]	
8081B	mg/kg	Endrin	0.61	ND [0.0082]	ND [0.016]	ND [0.0071]	
8081B	mg/kg	Endrin aldehyde	NE	ND [0.012]	ND [0.022]	ND [0.010]	
8081B	mg/kg	Endrin ketone	NE	ND [0.012]	ND [0.023]	ND [0.011]	
8081B	mg/kg	gamma-BHC (Lindane)	0.016	ND [0.0041]	ND [0.0078]	ND [0.0036]	
8081B	mg/kg	Heptachlor	0.0076	ND [0.0043]	**ND [0.0080]**	ND [0.0037]	
8081B	mg/kg	Heptachlor Epoxide	0.0019	**ND [0.0048]**	**ND [0.0090]**	**ND [0.0042]**	
8081B	mg/kg	Methoxychlor	13	ND [0.041]	ND [0.076]	ND [0.035]	
8081B	mg/kg	Toxaphene	0.72	ND [0.19]	ND [0.36]	ND [0.17]	
8081B	mg/kg	trans-Chlordane	0.18	ND [0.0041]	ND [0.0078]	ND [0.0036]	
8082A	mg/kg	PCB-1016 (Aroclor 1016)	1	ND [0.015]	ND [0.014]	ND [0.013]	

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
		Location ID	25-056	25-056	25-056	25-056
		Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
		Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
		Matrix	Sediment	Sediment	Sediment	Soil
Method	**Units**	**Analyte**	**ADEC**		**Dup of 91 SD**	
8082A	mg/kg	PCB-1221 (Aroclor 1221)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1232 (Aroclor 1232)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1242 (Aroclor 1242)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1248 (Aroclor 1248)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1254 (Aroclor 1254)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8082A	mg/kg	PCB-1260 (Aroclor 1260)	1	ND [0.015]	ND [0.014]	ND [0.013]	
8260D	mg/kg	1,1,1-Trichloroethane	32	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,1-Dichloroethane	0.092	ND [0.082]	ND [0.070]	ND [0.065]	**ND [0.10] J-**
8260D	mg/kg	1,1-Dichloroethene	1.2	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	1,1-Dichloropropene	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2,3-Trichlorobenzene	0.15	**ND [0.33]**	**ND [0.28]**	**ND [0.26]**	**ND [0.40] J-**
8260D	mg/kg	1,2,3-Trichloropropane	0.000031	**ND [0.082]**	**ND [0.070]**	**ND [0.065]**	**ND [0.10] J-**
8260D	mg/kg	1,2,4-Trichlorobenzene	0.082	**ND [0.33]**	**ND [0.28]**	**ND [0.26]**	**ND [0.40] J-**
8260D	mg/kg	1,2,4-Trimethylbenzene	0.61	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2-Dibromo-3-chloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2-Dichlorobenzene	2.4	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,2-Dichloropropane	0.03	**ND [0.082]**	**ND [0.070]**	**ND [0.065]**	**ND [0.10] J-**
8260D	mg/kg	1,3,5-Trimethylbenzene	0.66	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,3-Dichlorobenzene	2.3	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	1,3-Dichloropropane	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	2,2-Dichloropropane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	2-Butanone	15	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	2-Chlorotoluene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	4-Chlorotoluene	NE	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	4-Isopropyltoluene	NE	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	4-Methyl-2-pentanone	18	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Acetone	38	ND [0.65] J-	ND [0.56] J-	ND [0.52] J-	ND [0.80] J-
8260D	mg/kg	Bromobenzene	0.36	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Bromochloromethane	NE	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Carbon disulfide	2.9	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Carbon tetrachloride	0.021	**ND [0.16]**	**ND [0.14]**	**ND [0.13]**	**ND [0.20] J-**
8260D	mg/kg	Chlorobenzene	0.46	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Chloroethane	72	ND [0.16] J-	ND [0.14] J-	ND [0.13] J-	ND [0.20] J-
8260D	mg/kg	Chloromethane	0.61	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	cis-1,2-Dichloroethene	0.12	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-

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Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

		Sample ID Location ID Collection Date Lab Sample ID Matrix	26-HOM-CW 82 SD 25-056 10/07/2025 16:15 580-154935-2 Sediment	26-HOM-CW 91 SD 25-056 10/09/2025 11:40 580-154935-8 Sediment	26-HOM-CW 90 SD 25-056 10/09/2025 11:30 580-154935-7 Sediment	TB 1 25-056 10/06/2025 00:00 580-154935-14 Soil
Method	**Units**	**Analyte**	**ADEC**		**Dup of 91 SD**	
8260D	mg/kg	Dichlorodifluoromethane	3.9	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Ethylbenzene	0.13	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Isopropylbenzene	5.6	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	Methylene chloride	0.33	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Methyl-tert-butyl ether (MTBE)	0.4	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	n-Butylbenzene	20	ND [0.20]	ND [0.18]	ND [0.16]	ND [0.25] J-
8260D	mg/kg	n-Propylbenzene	9.1	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	o-Xylene	1.5	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	sec-Butylbenzene	28	ND [0.16]	ND [0.14]	ND [0.13]	ND [0.20] J-
8260D	mg/kg	Styrene	10	ND [0.041]	ND [0.035]	ND [0.032]	ND [0.050] J-
8260D	mg/kg	tert-Butylbenzene	11	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Tetrachloroethene (PCE)	0.19	ND [0.082]	ND [0.070]	ND [0.065]	
8260D	mg/kg	Toluene	6.7	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	trans-1,2-Dichloroethene	1.3	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Trichloroethene (TCE)	0.011	**ND [0.082]**	**ND [0.070]**	**ND [0.065]**	
8260D	mg/kg	Trichlorofluoromethane	41	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8260D	mg/kg	Vinyl chloride	0.0008	**ND [0.082]**	**ND [0.070]**	**ND [0.065]**	
8260D	mg/kg	Xylene, Isomers m & p	1.5	ND [0.082]	ND [0.070]	ND [0.065]	ND [0.10] J-
8270E	mg/kg	1,2,4-Trichlorobenzene	0.082	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	1,2-Dichlorobenzene	2.4	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	1,3-Dichlorobenzene	2.3	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	1,4-Dichlorobenzene	0.037	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	1-Methylnaphthalene	0.41	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	2,2-oxybis(1-Chloropropane)	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2,4,5-Trichlorophenol	28	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2,4,6-Trichlorophenol	0.092	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2,4-Dichlorophenol	0.21	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2,4-Dimethylphenol	3.2	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2,4-Dinitrophenol	0.34	**ND [1.2]**	**ND [1.1]**	**ND [0.99]**	
8270E	mg/kg	2,4-Dinitrotoluene	0.024	**ND [0.092]**	**ND [0.086]**	**ND [0.079]**	
8270E	mg/kg	2,6-Dinitrotoluene	0.005	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	2-Chloronaphthalene	26	ND [0.037]	ND [0.034]	ND [0.032]	
8270E	mg/kg	2-Chlorophenol	0.71	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2-Methyl-4,6-dinitrophenol	NE	ND [0.46]	ND [0.43]	ND [0.40]	
8270E	mg/kg	2-Methylnaphthalene	1.3	ND [0.014]	ND [0.013]	ND [0.012]	

1 - MS/MSD was run only on 8270E and 8270ESIM methods
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Method	**Units**	**Analyte**	**ADEC**			**Dup of 91 SD**	
8270E	mg/kg	2-Methylphenol (o-Cresol)	6.2	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	2-Nitroaniline	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	2-Nitrophenol	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	3,3'-Dichlorobenzidine	0.056	**ND [0.37]**	**ND [0.34]**	**ND [0.32]**	
8270E	mg/kg	3-Methylphenol/4-Methylphenol Coelution	6.1	ND [0.046]	0.21 [0.043]	ND [0.040]	
8270E	mg/kg	3-Nitroaniline	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	4-Bromophenyl phenyl ether	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	4-Chloro-3-methylphenol	NE	ND [0.055]	ND [0.052]	ND [0.047]	
8270E	mg/kg	4-Chloroaniline	0.015	**ND [0.092]**	**ND [0.086]**	**ND [0.079]**	
8270E	mg/kg	4-Chlorophenyl phenyl ether	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	4-Nitroaniline	NE	ND [0.092]	ND [0.086]	ND [0.079]	
8270E	mg/kg	4-Nitrophenol	NE	ND [0.46]	ND [0.43]	ND [0.40]	
8270E	mg/kg	Acenaphthene	37	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Acenaphthylene	18	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Anthracene	390	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(a)anthracene	0.7	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Benzo(a)pyrene	1.5	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(b)fluoranthene	15	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(g,h,i)perylene	2300	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzo(k)fluoranthene	150	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Benzoic acid	200	ND [0.55]	ND [0.52]	ND [0.47]	
8270E	mg/kg	Benzyl alcohol	5.7	ND [0.46]	ND [0.43]	ND [0.40]	
8270E	mg/kg	Benzyl butyl phthalate	16	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	bis-(2-Chloroethoxy)methane	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	bis-(2-Chloroethyl)ether	0.00042	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	bis-(2-Ethylhexyl)phthalate	88	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Carbazole	NE	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Chrysene	600	ND [0.0092]	ND [0.0086]	ND [0.0079]	
8270E	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Dibenzofuran	0.97	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Diethyl phthalate	60	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Dimethyl phthalate	48	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Di-n-butyl phthalate	16	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Di-n-octyl phthalate	370	ND [0.18]	ND [0.17]	ND [0.16]	
8270E	mg/kg	Fluoranthene	590	ND [0.0092]	0.0053 [0.0086] J B	ND [0.0079]	
8270E	mg/kg	Fluorene	36	ND [0.0092]	ND [0.0086]	ND [0.0079]	

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Method	**Units**	**Analyte**	**ADEC**		**Dup of 91 SD**	
8270E	mg/kg	Hexachlorobenzene	0.0082	**ND [0.045]**	**ND [0.043]**	**ND [0.039]**	
8270E	mg/kg	Hexachlorobutadiene	0.02	**ND [0.055]**	**ND [0.052]**	**ND [0.047]**	
8270E	mg/kg	Hexachlorocyclopentadiene	0.0093	R	R	R	
8270E	mg/kg	Hexachloroethane	0.018	**ND [0.092]**	**ND [0.086]**	**ND [0.079]**	
8270E	mg/kg	Indeno(1,2,3-cd)pyrene	15	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Isophorone	2.7	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Naphthalene	0.038	ND [0.018]	ND [0.017]	ND [0.016]	
8270E	mg/kg	Nitrobenzene	0.0079	**ND [0.046]**	**ND [0.043]**	**ND [0.040]**	
8270E	mg/kg	n-Nitrosodimethylamine	0.0000033	**ND [0.092]**	**ND [0.086]**	**ND [0.079]**	
8270E	mg/kg	n-Nitrosodi-n-propylamine	0.00068	**ND [0.069]**	**ND [0.064]**	**ND [0.059]**	
8270E	mg/kg	n-Nitrosodiphenylamine	4.6	ND [0.046]	ND [0.043]	ND [0.040]	
8270E	mg/kg	Pentachlorophenol	0.0043	**ND [0.18]**	**ND [0.17]**	**ND [0.16]**	
8270E	mg/kg	Phenanthrene	39	ND [0.011]	ND [0.010]	ND [0.0095]	
8270E	mg/kg	Phenol	29	ND [0.046]	0.062 [0.043]	ND [0.040]	
8270E	mg/kg	Pyrene	87	ND [0.0092]	0.0067 [0.0086] J B	0.0055 [0.0079] J B	
8270ESIM	mg/kg	1-Methylnaphthalene	0.41	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	2-Methylnaphthalene	1.3	ND [0.0037]	ND [0.0034]	ND [0.0032]	
8270ESIM	mg/kg	Acenaphthene	37	ND [0.0018]	0.00087 [0.0017] J JN	ND [0.0016] JN	
8270ESIM	mg/kg	Acenaphthylene	18	ND [0.0018]	0.00092 [0.0017] J JN	ND [0.0016] JN	
8270ESIM	mg/kg	Anthracene	390	ND [0.0018]	0.0016 [0.0017] J JN	0.00088 [0.0016] J JN	
8270ESIM	mg/kg	Benzo(a)anthracene	0.7	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(a)pyrene	1.5	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(b)fluoranthene	15	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(g,h,i)perylene	2300	0.0013 [0.0018] J	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Benzo(k)fluoranthene	150	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Chrysene	600	0.00078 [0.0018] J B	0.0013 [0.0017] J B	0.00055 [0.0016] J B	
8270ESIM	mg/kg	Dibenzo(a,h)anthracene	1.5	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Fluoranthene	590	0.0015 [0.0018] J B	0.0034 [0.0017] JN	0.0018 [0.0016] J JN	
8270ESIM	mg/kg	Fluorene	36	ND [0.0018]	0.0012 [0.0017] J	ND [0.0016]	
8270ESIM	mg/kg	Indeno(1,2,3-cd)pyrene	15	ND [0.0018]	ND [0.0017]	ND [0.0016]	
8270ESIM	mg/kg	Naphthalene	0.038	ND [0.0037]	0.0024 [0.0034] J	ND [0.0032]	
8270ESIM	mg/kg	Phenanthrene	39	0.0014 [0.0028] J B	0.0029 [0.0026] J JN	0.0015 [0.0024] J JN	
8270ESIM	mg/kg	Pyrene	87	0.0023 [0.0018] B	0.0043 [0.0017] B	0.0017 [0.0016] J B	
AK101	mg/kg	Gasoline Range Organics (C6-C10)	300	ND [0.70] J-	ND [0.61]	ND [0.56]	ND [0.86]

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ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
NE - Not Established

Table 3: 2025 Homer Feasibility Study
Data Table
Comparison to ADEC Criteria

			Sample ID	26-HOM-CW 82 SD	26-HOM-CW 91 SD	26-HOM-CW 90 SD	TB 1
			Location ID	25-056	25-056	25-056	25-056
			Collection Date	10/07/2025 16:15	10/09/2025 11:40	10/09/2025 11:30	10/06/2025 00:00
			Lab Sample ID	580-154935-2	580-154935-8	580-154935-7	580-154935-14
			Matrix	Sediment	Sediment	Sediment	Soil
Method	Units	Analyte	ADEC			Dup of 91 SD	
D2216	PERCENT	Percent Moisture	NE	27.8 [1.0]	22.8 [1.0]	16.4 [1.0]	

1 - MS/MSD was run only on 8270E and 8270ESIM methods
ADEC - 18 AAC 75 Method 2 Table B1/B2 Cleanup Levels for soil
[ ] - Laboratory LOD
Solid shade indicates screening value exceedance
NE - Not Established

Table 4: Homer Feasibility Study
DMMP LOD Summary

Method	Analyte	DMMP PAL	Number of Failures	Total Samples
8081B	4,4'-DDD	0.016	1	13
8081B	4,4'-DDE	0.009	12	13
8081B	4,4'-DDT	0.012	1	13
8081B	cis-Chlordane	0.0028	13	13
8081B	Dieldrin	0.0019	13	13
8081B	Heptachlor	0.0015	13	13
8081B	trans-Chlordane	0.0028	13	13
8260D	1,2,4-Trichlorobenzene	0.031	14	14
8260D	1,2-Dichlorobenzene	0.035	14	14
8270E	1,2,4-Trichlorobenzene	0.031	13	13
8270E	1,2-Dichlorobenzene	0.035	13	13
8270E	2,4-Dimethylphenol	0.029	13	13
8270E	2-Methylphenol (o-Cresol)	0.063	1	13
8270E	Benzoic acid	0.65	1	13
8270E	Benzyl alcohol	0.057	13	13
8270E	Benzyl butyl phthalate	0.063	13	13
8270E	Diethyl phthalate	0.2	2	13
8270E	Dimethyl phthalate	0.071	13	13
8270E	Hexachlorobenzene	0.022	13	13
8270E	Hexachlorobutadiene	0.011	13	13
8270E	n-Nitrosodiphenylamine	0.028	13	13

Table 5: Homer Feasibility Study
ADEC LOD Summary

Method	Analyte	ADEC PAL	Number of Failures	Total Samples
8081B	alpha-BHC	0.0029	13	13
8081B	beta-BHC	0.01	1	13
8081B	Dieldrin	0.0047	13	13
8081B	Heptachlor	0.0076	1	13
8081B	Heptachlor Epoxide	0.0019	13	13
8260D	1,1-Dichloroethane	0.092	5	14
8260D	1,1-Dichloroethene	1.2	1	13
8260D	1,2,3-Trichlorobenzene	0.15	14	14
8260D	1,2,3-Trichloropropane	0.000031	14	14
8260D	1,2,4-Trichlorobenzene	0.082	14	14
8260D	1,2,4-Trimethylbenzene	0.61	1	14
8260D	1,2-Dichloropropane	0.03	14	14
8260D	1,3,5-Trimethylbenzene	0.66	1	14
8260D	Bromobenzene	0.36	1	14
8260D	Carbon tetrachloride	0.021	14	14
8260D	Chlorobenzene	0.46	1	14
8260D	Chloromethane	0.61	1	14
8260D	cis-1,2-Dichloroethene	0.12	2	14
8260D	Ethylbenzene	0.13	1	14
8260D	Methylene chloride	0.33	1	14
8260D	Methyl-tert-butyl ether (MTBE)	0.4	1	14
8260D	Tetrachloroethene (PCE)	0.19	1	13
8260D	trans-1,2-Dichloroethene	1.3	1	14
8260D	Trichloroethene (TCE)	0.011	13	13
8260D	Vinyl chloride	0.0008	13	13
8270E	1,4-Dichlorobenzene	0.037	13	13
8270E	2,4-Dinitrophenol	0.34	13	13
8270E	2,4-Dinitrotoluene	0.024	13	13
8270E	2,6-Dinitrotoluene	0.005	13	13
8270E	3,3'-Dichlorobenzidine	0.056	13	13
8270E	4-Chloroaniline	0.015	13	13
8270E	bis-(2-Chloroethyl)ether	0.00042	13	13
8270E	Hexachlorobenzene	0.0082	13	13
8270E	Hexachlorobutadiene	0.02	13	13
8270E	Hexachlorocyclopentadiene	0.0093	13	13
8270E	Hexachloroethane	0.018	13	13
8270E	Nitrobenzene	0.0079	13	13
8270E	n-Nitrosodimethylamine	0.0000033	13	13
8270E	n-Nitrosodi-n-propylamine	0.00068	13	13
8270E	Pentachlorophenol	0.0043	13	13

Data Flag Explanations

ND - Analyte is not detected; [ ] - Laboratory Limit of Detection (LOD)

	Analyte LOD is greater than the screening criteria
	Analyte was detected at a concentration greater than the screening criteria.
Qualifier	**Definition**
J	Analyte result is considered an estimated value because the level is below the laboratory LOQ but above the DL
B	Analyte result is considered a high estimated value due to contamination present in the method, trip, or equipment blank.
J+, J-, JN	Analyte result is considered an estimated value biased (high, low, uncertain) due to a quality control failure
R	Analyte result is rejected - result is not usable for project.

Attachment 1:
ADEC Data Review Checklist
SDG: 580-154935-1/2

ADEC Contaminated Sites Program Laboratory Data Review Checklist

Completed By:	Mike Utley	**CS Site Name:**	Homer Harbor	**Lab Name:**	Eurofins
Title:	Homer Harbor Dredged Material Characterization	**ADEC File No.:**	N/A	**Lab Report No.:**	580-154935
Consulting Firm:	USACE	**Hazard ID No.:**	N/A	**Lab Report Date:**	01-Dec-2025

Note: *Any N/A or No box checked must have an explanation in the comments box.*

1. **Laboratory**

   a. Did an ADEC Contaminated Sites Laboratory Approval Program (CS-LAP) approved laboratory receive and perform all of the submitted sample analyses?
   Yes ☐ No ☒ N/A ☐
   Comments: *The Eurofins Anchorage Service Center (ASR) received all samples. They submitted samples to EURO Lancaster who is approved for all analyses (6020B, 7471B, 8081B, 8082A, 8260D, 8270E, 8270ESIM, and AK101). They also submitted samples for Organotins SIM (Tributyl Tin via GC/MS SIM) to EURO CAL Science who is* ***not approved*** by ADEC for that method/analyte.

   b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses CS-LAP approved?
   Yes ☐ No ☐ N/A ☒
   Comments: See above.

2. **Chain of Custody (CoC)**

   a. Is the CoC information completed, signed, and dated (including released/received by)?
   Yes ☒ No ☐ N/A ☐
   Comments: First page of CoC was signed by all parties, but following pages were not.

   b. Were the correct analyses requested?
   Yes ☐ No ☒ N/A ☐
   Analyses requested: 6020B, 7471B, 8081B, 8082A, 8260D, 8270E, 8270ESIM, AK101, D2216

Comments: Anchorage Receiving Station (ASR) received all samples in one cooler. As noted above, ASR sent samples to EURO Lancaster and EURO Cal Science. However, the CoC for the transfer to EURO Lancaster only indicated that samples for 6020B, 7471B, PRE-SCREEN, and D2216 were being transferred (detail regarding the other methods were not documented). As per the original CoC, three jars per sample were collected and provided to ASR. Lab Transfer CoC to Lancaster indicates that two jars per sample were provided, and Lab Transfer CoC to Cal Science indicates that one jar per sample was provided. Given that the laboratory documentation and EDD indicate that Lancaster analyzed the samples for all methods (except Tributyl Tin), it can be safely assumed that each sample jar is accounted for, in spite of the lack of documentation of shipment for each method.

3. Laboratory Sample Receipt Documentation

a. Is the sample/cooler temperature documented and within range at receipt (0° to 6° C)?
Yes ☒ No ☐ N/A ☐
Cooler temperature(s): Samples were received at the Anchorage Service Center in one cooler and received at 1.3° C. The Service Center submitted samples to two different network labs: EURO Lancaster (rec'd at 1.5° C); and EURO Cal Science (rec'd at 3.5° C).
Sample temperature(s): Not applicable
Comments: Click or tap here to enter text.

b. Is the sample preservation acceptable – acidified waters, methanol preserved soil (GRO, BTEX, VOCs, etc.)?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Is the sample condition documented – broken, leaking, zero headspace (VOA vials); canister vacuum/pressure checked and no open valves, etc.?
Yes ☒ No ☐ N/A ☐
Comments: No deviations were noted on the case narrative or in sample receiving documentation.

d. If there were any discrepancies, were they documented? For example, incorrect sample containers/preservation, sample temperature outside of acceptable range, insufficient or missing samples, canister not holding a vacuum, etc.?
Yes ☐ No ☐ N/A ☒
Comments: No deviations were noted on the case narrative or in sample receiving documentation.

e. Is the data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No deviations were noted.

4. Case Narrative

a. Is the case narrative present and understandable?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are there discrepancies, errors, or QC failures identified by the lab?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Were all the corrective actions documented?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. What is the effect on data quality/usability according to the case narrative?
Comments: Case narrative documents deficiencies but does not address usability.

5. Sample Results

a. Are the correct analyses performed/reported as requested on CoC?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

b. Are all applicable holding times met?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

c. Are all soils reported on a dry weight basis?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

d. Are the reported limits of quantitation (LoQ) or limits of detections (LOD), or reporting limits (RL) less than the Cleanup Level or the action level for the project?
Yes ☐ No ☒ N/A ☐
Comments: A total of 21 nondetect analytes exceeded the DMMP Screening Values in one or more samples. These results are highlighted yellow in the DMMP data table. A comparison of reported LODs to the most conservative ADEC Cleanup Limits specified in 18 AAC 75 was also completed; a total of 40 nondetect analytes exceeded the ADEC levels in at least one sample. These are also highlighted yellow in the ADEC data table.

e. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐

Comments: When a sample LOD for any given analyte exceeds the applicable screening limit, the presence (or absence) of that analyte at that limit cannot be accurately determined.

6. QC Samples

a. Method Blank

i. Was one method blank reported per matrix, analysis, and 20 samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Are all method blank results less than LOQ (or RL)?
Yes ☐ No ☒
Comments: The following analytes were detected in an associated method blank: Fluoranthene (8270 and 8270SIM), Pyrene (8270 and 8270SIM), Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Phenanthrene (8270SIM only).

iii. If above LoQ or RL, what samples are affected?
Comments: The following samples have at least one analyte listed above that was detected in an associated method blank: 26-HOM-CW 11 SD, 26-HOM-CW 12 SD, 26-HOM-CW 20 SD, 26-HOM-CW 21 SD, 26-HOM-CW 22 SD, 26-HOM-CW 23 SD, 26-HOM-CW 31 SD, 26-HOM-CW 33 SD, 26-HOM-CW 81 SD, 26-HOM-CW 82 SD, 26-HOM-CW 90 SD, and 26-HOM-CW 91 SD

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: Affected sample results are qualified “B” in the associated data tables.

v. Data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: All detections are significantly below (i.e. less than 20%) of the applicable DMMP screening criterion.

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics – Are one LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Metals/Inorganics – Are one LCS and one sample duplicate reported per matrix, analysis and 20 samples?
Yes ☐ No ☒ N/A ☐
Comments: A duplicate was not run for D2216, 6020B, and 7471B.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? Was the RPD reported from LCS/LCSD, and or sample/sample duplicate? (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)
Yes ☒ No ☐ N/A ☐
Comments: Where LCSDs or duplicates were run, all RPDs met criteria.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: No deviations were noted.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☐ No ☐ N/A ☒
Comments: No deviations were noted.

vii. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐
Comments: Precision cannot be evaluated for all data for methods 6020B, 7471B, D2216, and 8082A (no duplicate, LCSD, or MSD). Likewise, precision cannot be evaluated for 8081B batch 410-717133, 8270ESIM batch 410-719765, and 8270ESIM batch 410-721118. However, all impacted results are below the applicable DMMP PAL, and data usability is not significantly impacted.

c. Matrix Spike/Matrix Spike Duplicate (MS/MSD)

i. Organics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☐ No ☒ N/A ☐
Comments: MS/MSD request was not indicated on chain of custody. However, the laboratory ran a MS/MSD on 8270E and one of three batches for 8270ESIM.

ii. Metals/Inorganics – Are one MS/MSD reported per matrix, analysis and 20 samples?
Yes ☐ No ☒ N/A ☐
Comments: MS/MSDs were not run for methods 6020B and 7471B.

iii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable?
Yes ☐ No ☒ N/A ☐
Comments: MS/MSD was run on only 8270E and 8270ESIM, on sample 26-HOM-CW 32 SD. Several analytes for both methods failed low in either the MS, the MSD, or both. Analytes which failed low but recovered above 10% are flagged "J-", and analytes which recovered below 10% are flagged "R" (unusable). Only the associated sample results (26-HOM-CW 32 SD) are flagged.

iv. Precision – Are all relative percent differences (RPD) reported and less than method or laboratory limits and project specified objectives, if applicable? RPD reported from MS/MSD, and or sample/sample duplicate.
Yes ☐ No ☒ N/A ☐
Comments: Several analytes also failed RPD for the reported MS/MSD. If the analyte failed MS and/or MSD recoveries (but above 10%), the "J-" flag was changed to "JN" to indicate potential bias of unknown direction. R flags due to lack of MS/MSD recoveries were not changed. Again, this pertains only to the impacted sample 26-HOM-CW 32 SD.

v. If %R or RPD is outside of acceptable limits, what samples are affected?
Comments: Only sample 26-HOM-CW 32 SD, methods 8270E and 8270ESIM, were impacted and flagged.

vi. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: See above.

vii. Is the data quality or usability affected?
Yes ☒ No ☐ N/A ☐
Comments: Results for 2,4-Dinitrophenol, Benzoic Acid, and Hexachlorocyclopentadiene in sample 26-HOM-CW 32 SD are rejected due to low biased MS/MSD recoveries (less than 10%). Usability for low biased results or RPD failures is not significantly impacted.

d. Surrogates – Organics Only or Isotope Dilution Analytes (IDA) – Isotope Dilution Methods Only

i. Are surrogate/IDA recoveries reported for organic analyses – field, QC, and laboratory samples?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Accuracy – Are all percent recoveries (%R) reported and within method or laboratory limits and project specified objectives, if applicable? (AK Petroleum methods 50-150 %R for field samples and 60-120 %R for QC samples; all other analyses see the laboratory report pages)
Yes ☐ No ☒ N/A ☐
Comments: One of four surrogates failed low in samples 26-HOM-CW 12 SD and TB 1 for 8260D but recovered greater than 10%. Consequently, all analytes for these samples are flagged "J-". One of one surrogate failed low in multiple samples for AK101 where results indicate the samples were diluted significantly (i.e. at least 25X). Results are not further flagged.

iii. Do the sample results with failed surrogate/IDA recoveries have data flags? If so, are the data flags clearly defined?
Yes ☒ No ☐ N/A ☐
Comments: Results are flagged as noted above in the associated data tables.

iv. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: impacted 8260 analytes are all nondetect and are not significantly impacted by a slightly low surrogate recovery; AK101 results are all nondetect at a level that is significantly below the PAL (ADEC); there is no PAL for the DMMP criteria.

e. Trip Blanks

i. Is one trip blank reported per matrix, analysis, and for each cooler containing volatile samples? Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

ii. Are all results less than LoQ or RL?
Yes ☒ No ☐ N/A ☐
Comments: **Not all reported analytes are reported in trip blank. PCE, TCE, and VC are not reported; the laboratory has been asked for a revised data package. This text will be updated once a revision or explanation has been received.**

iii. If above LoQ or RL, what samples are affected?
Comments: Click or tap here to enter text.

iv. Is the data quality or usability affected?
Yes ☐ No ☒ N/A ☐
Comments: It is assumed that PCE, TCE, and VC will be reports as nondetect in the trip blank, so no impacts are anticipated.

f. Field Duplicate

i. Are one field duplicate submitted per matrix, analysis, and 10 project samples?
Yes ☒ No ☐ N/A ☐
Comments: Two field duplicates were collected: 26-HOM-CW 20 SD is a duplicate of 26-HOM-CW 21 SD and 26-HOM-CW 90 SD is a duplicate of 26-HOM-CW 91 SD

ii. Was the duplicate submitted blind to lab?
Yes ☒ No ☐ N/A ☐
Comments: Click or tap here to enter text.

iii. Precision – All relative percent differences (RPD) less than specified project objectives? (Recommended: 30% water or air, 50% soil)

$$RPD\ (\%) = \left| \frac{R_1 - R_2}{\left(\frac{R_1 + R_2}{2}\right)} \right| X\ 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes ☐ No ☒ N/A ☐
Comments: For primary/duplicate pair -21 SD/-20 SD, the following methods/anlaytes did not meeting ADEC requirements: 8270E: Chrysene and Fluoranthene; 8270ESIM - Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Chrysene, Dibenzo(a,h)anthracene, and Fluoranthene.

For primary duplicate pair -91 SD/-90 SD, the following methods/analytes did not meet ADEC requirements: 8081, nearly all analytes; 8270ESIM - Phenanthrene, Fluoranthene, Acenaphthene, Anthracene, Acenaphthylene.

iv. Is the data quality or usability affected? (Explain)
Yes ☐ No ☒ N/A ☐

Comments: -21 SD/-20 SD – Impacted analytes are all flagged "JN"; results are either nondetect or well below the DMMP PAL; thus, usability is not impacted by this deviation.

-91 SD/-90 SD – for the 8081 analysis, the primary sample was analyzed at a five cut and the duplicate was analyzed at a ten cut. All results are nondetect; the difference is due to differing dilutions. Therefore, no flags were applied, and usability is not impacted. For the 8270ESIM method, the impacted analytes are flagged "JN" (note that some "B" flags were changed to "JN" to indicate increased uncertainty of reported results). However, all results are nondetect and well below the DMMP PAL. Usability is not impacted.

g. Decontamination or Equipment Blanks

i. Were decontamination or equipment blanks collected?
Yes ☐ No ☒ N/A ☐
Comments: Click or tap here to enter text.

ii. Are all results less than LoQ or RL?
Yes ☐ No ☐ N/A ☒
Comments: Click or tap here to enter text.

iii. If above LoQ or RL, specify what samples are affected.
Comments: No equipment blank was provided.

iv. Are data quality or usability affected?
Yes ☐ No ☐ N/A ☒
Comments: No equipment blank was provided.

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Are they defined and appropriate?
Yes ☒ No ☐ N/A ☐
Comments: Acetone and chloroethane failed low (76%/76%) in the CCV associated with batch 410-716956, impacting all samples. Impacted results are flagged "J-". All impacted results are nondetect and are well below ADEC PALs (DMMP PAL is not established for these compounds). Results are considered usable.
Lab indicates that 8270E closing CCV for Hexachlorocylopentadiene recovered low, that CCV and samples were rerun and the closing CCV again recovered low. However, there is no indication in the data package that the samples were rerun. The original sample that was spiked was run first (26-HOM-CW 32 SD), followed by the MS and MSD, both of which did not recover (0%). The rest of the samples were analyzed next followed by the closing CCV, which recovered at

21% (acceptable DoD Limit is 50%). For these reasons, this compound is considered rejected in all samples.