Berths 145 - 147
Dredged Material Characterization Testing
Final Report

Prepared for:

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San Pedro, California 90731

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March 2008

ADP No. 020228-006

Project Number 7151000604-0001

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DREDGED MATERIAL CHARACTERIZATION STUDY

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ACRONYMS AND ABBREVIATIONS

ADDAMS	Automated Dredging and Disposal Alternatives Management System
AMEC	AMEC Earth & Environmental
ANOVA	analysis of variance
ASTM	American Society for Testing and Materials
BP	bioaccumulation phase
bgs	below ground surface
C	Celsius
cy	cubic yard
EC_{50}	median effect concentration
EPA	U.S. Environmental Protection Agency
ERL	effects range low
ERM	effects range median
FDA	U.S. Food and Drug Administration
ft	foot/feet
GPS	global positioning system
Green Book	Evaluation of Dredged Material Proposed for Ocean Disposal
HPAH	high-molecular weight polycyclic aromatic hydrocarbons
ITM	Inland Testing Manual
LC_{50}	median lethal concentration
LPAH	low-molecular weight polycyclic aromatic hydrocarbons
LPC	limiting permissible concentration
MDL	method detection limit
mg/kg	milligrams per kilogram
μg/kg	micrograms per kilogram
MLLW	mean lower low water
NA	not applicable
ND	not detected above the analytical reporting limit
ODMDS	Ocean Dredged Material Disposal Site
Ogden	Ogden Environmental and Energy Services, Inc.
PAHs	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
PHL	pierhead line
PID	photoionization detector
Port	Port of Los Angeles
ppm	parts per million
Ref	Reference site sediments
SAP	sampling and analysis plan
SE	standard error
SP	solid phase
SPP	suspended particulate phase
TOC	total organic carbon
TRPH	total recoverable petroleum hydrocarbons
USACE	U.S. Army Corps of Engineers
USCS	Unified Soil Classification System

EXECUTIVE SUMMARY

The Port of Los Angeles is proposing to upgrade the wharf at Berths 145 through 147 in the West Basin. The proposed project would include demolishing existing berthing facilities and dredging materials from along the shoreline from depths ranging from mean higher high water (+5.6 feet mean lower low water [ft MLLW]) to a maximum depth of -65 ft MLLW. Dredged materials are proposed for ocean or upland disposal; this report summarizes data collected to determine the suitability of materials for disposal at the LA-2 Ocean Dredged Material Disposal Site.

Sediments proposed for dredging include 260,500 cubic yards (cy) of material, which were divided into five units. Sediments were characterized according to a project-specific sampling and analysis plan, which detailed the sediment collection and testing methods designed to determine compliance with Section 103 of the Marine Protection, Research, and Sanctuaries Act (the Ocean Dumping Law).

Four of the five testing units were tested for physical parameters, bulk sediment chemistry, toxicity, and bioaccumulation potential. The remaining testing unit was located deep in the shoreline and was tested for bulk sediment chemistry only. Sample collection was conducted using a vibracore for marine sediments (two testing units) and an angled- or upright-auger drill for shoreline sediments (three testing units). Results of the characterization study are summarized as follows:

- Materials were primarily fine sands and silts and contained generally low levels of contaminants. Composite samples slightly exceeded a small number of metal and organic compound Effects Range-Low (ERL) values, indicating that toxicity was possible but not likely.
- Toxicity testing results indicated that one of the two marine sites (Site 2) and one of the two shoreline sites (the Lower Stratum) sediments were toxic to amphipods at levels which might preclude ocean disposal. The solid phase worm test results did not indicate toxicity for any of the test sediments, as did the mysid suspended particulate phase (SPP) test results. The *Menidia* SPP test indicated only minor toxic effects, but the bivalve larvae SPP test indicated significant toxicity for Site 2 and Lower Stratum composite sediments. However, since U.S. Army Corps of Engineers' Automated Dredging and Disposal Alternatives Management System model indicated compliance with water column limiting permissible concentration (LPC) objectives at the disposal site, the suitability criteria were met for SPP tests.
- Bioaccumulation testing indicated the bioavailability of metals and most pesticides was below the threshold of ecological significance for both clams and worms. Bioaccumulation of DDTs, polychlorinated biphenyls (PCBs), and polycyclic aromatic hydrocarbons (PAHs) was statistically higher in several test tissues. However, tissue DDT and PCB concentrations were well below Food and Drug Administration Action Levels for shellfish, and therefore do not present an unacceptable risk with respect to bioaccumulation impacts at the ocean disposal site. PAH compounds were bioaccumulated at statistically significant levels in both clam and worm tissues for all test sediments except the Upper Stratum worm tissue results (which was likely a spurious

statistical result due to a high degree of inter-replicate variance). Generally, bioaccumulation was highest in Site 2 sediments and lowest in Site 1 sediments.

In summary, Site 2 and Lower Stratum sediments can both be characterized as (1) generally exhibiting slightly higher chemical concentrations (compared with other project area sediments), (2) exhibiting toxic effects for amphipods which exceed guidance criteria for ocean disposal suitability, and (3) exhibiting the potential for PAH bioaccumulation at levels which may violate ocean dumping law provisions. However, a more in-depth analysis of individual core data indicated that contamination of organics is especially high in a berth-side shoal within Site 2 and contiguous sediments located in the southern half of the Lower Stratum and Native Stratum shoreline sediments. It is therefore believed that these materials are responsible for the toxic response of amphipods and bioaccumulation exposure results and that these areas should be excluded from disposal at LA-2.

Sediments characterized from Site 1, the Upper Stratum of the shoreline area, the northern half of Lower and Native Strata of the shoreline area, and the non-shoal sediments of Site 2 (marine) are believed to meet LPC criteria for disposal at LA-2. The volume of sediments believed appropriate for ocean disposal total approximately 185,300 cy, or 71 percent of the total proposed dredge volume. Upland disposal is proposed for sediments deemed unsuitable for ocean disposal (75,200 cy).

1.0 INTRODUCTION

The Port of Los Angeles (Port) is proposing improvements to the existing wharf and backlands of Berths 145 through 147 to accommodate berthing of deeper draft ships. Berths 145 through 147 are located in the West Basin of the Port of Los Angeles, Los Angeles County, California (Figure 1). The project includes dredging approximately 260,500 cubic yards (cy) of sediment. This program was undertaken to determine if disposal of dredged materials at the EPA-approved LA-2 Ocean Dredged Material Disposal Site (LA-2 ODMDS) (Figure 2) is appropriate.

Two previous sediment characterization studies were undertaken at the site (see project history below). However, the project was delayed due to changes in Port project prioritization, and available sediment characterization data was no longer valid for permitting purposes since more than 3 years had passed. In order to provide an updated (and valid) characterization of the sediments, AMEC Earth & Environmental, Inc. (AMEC) was contracted by the Port to re-characterize the sediment at Berths 145 through 147. The effort described in this report provides current, representative data necessary for the Port to apply for an ocean dredged material disposal permit for the proposed project.

Collection of sediment for physical, chemical, and biological characterization, was undertaken as described in the project-specific sampling and analysis plan (SAP) (AMEC 2007). The program followed the Tier III testing procedures presented in the guidance document *Evaluation of Dredged Material Proposed for Ocean Disposal* (Green Book) (U.S. Environmental Protection Agency [EPA]/U.S. Army Corps of Engineers [USACE] 1991b) and EPA Region 9 guidance (EPA 1991a). This report includes an updated description of the proposed project, the sample collection techniques, and the sediment testing methods. Subsequent sections of this document summarize the results and present a discussion of the results in the context of Green Book guidance.

2.0 PROJECT DESCRIPTION AND BACKGROUND

This section describes the current proposed dredging project at Berths 145 through 147. In addition, the results of three previous sediment characterization studies conducted in the vicinity of the project site are discussed.

2.1 Proposed Dredging at Berths 145 through 147

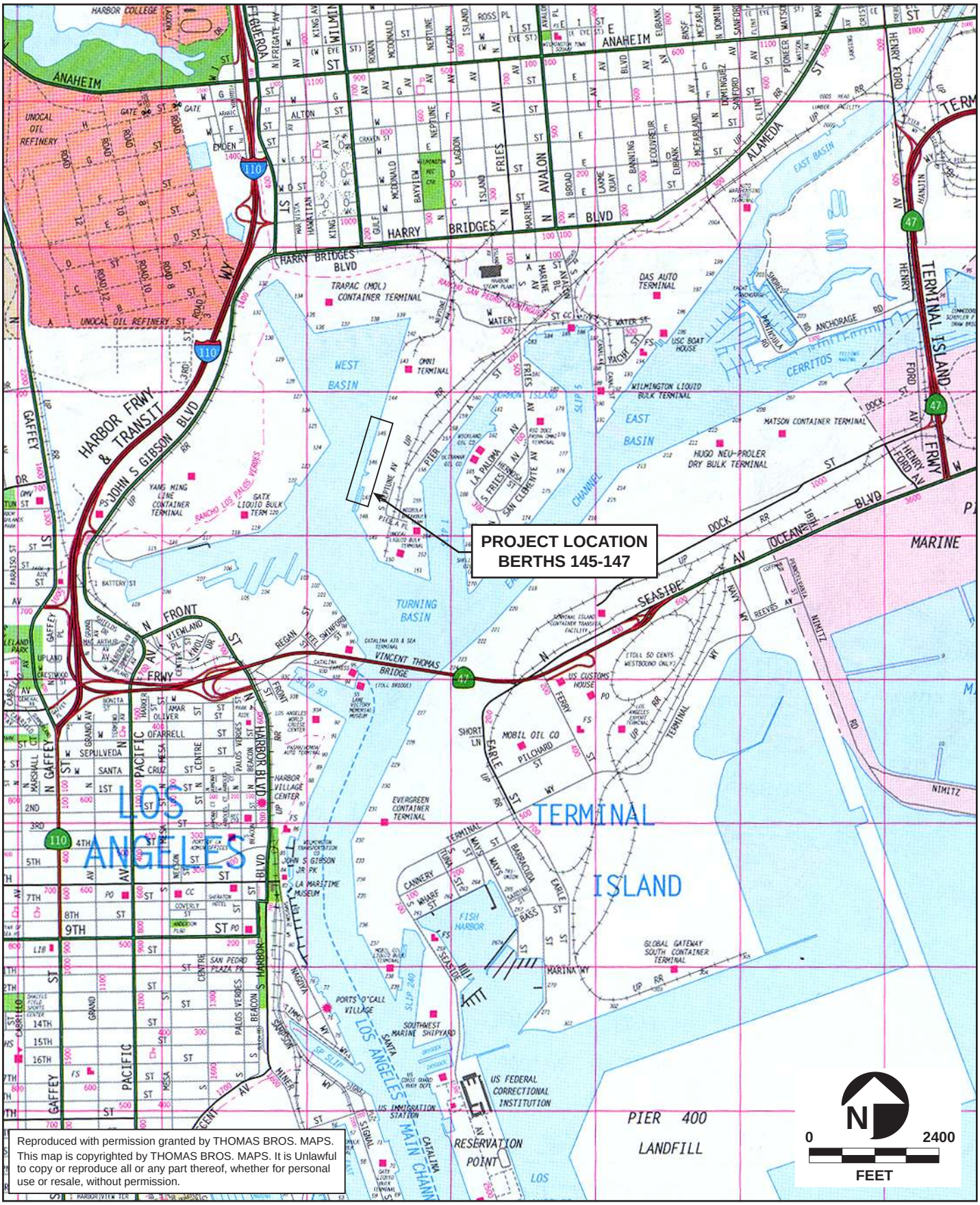
The project consists of building a wharf at Berth 145 through 147 with a final depth of -53 feet mean lower low water (ft MLLW). The wharf will connect to a recently built wharf at Berth 144 to the north. Together, they will provide the required wharf length to serve two 1,150-ft vessels simultaneously. The proposed project will consist of construction of a new wharf at Berth 147 and upgrading the existing concrete wharf at Berths 145 and 146.

The dredging operations for this project consist of two different dredge profiles, both of which will incorporate overdredging and backfilling areas along the pierhead line (PHL) (Figures 3 and 4). The dredging at Berths 145 and 146 will consist of: (1) constructing an underwater steel bulkhead wall approximately 4.3 ft landward of the PHL; (2) dredging to elevation -57 ft MLLW from the underwater bulkhead wall out to approximately 8.8 ft seaward of the PHL; and (3) transitioning up to elevation -53 ft MLLW and continuing with a horizontal dredge line until it daylights in the West Basin (Figure 3). The trough at the PHL will then be filled with quarry rock to a final elevation of -53 ft MLLW.

Berth 147 currently consists of wharf structures, about one-third of which is constructed of concrete (to the northeast of approximately 43+50) and two-thirds of which is creosote-treated timber piles and decking (to the southwest of approximately 43+50) (Figure 5). The dredging at Berth 147 will consist of: (1) dredging to elevation -65 ft MLLW from 36 ft landward of the PHL out to 14 ft seaward of the PHL; (2) transitioning up from -65 ft MLLW on the landward side at a 2:1 slope until it daylights with the existing ground; and (3) transitioning up from -65 ft MLLW on the seaward side at a 2:1 slope to elevation -53 ft MLLW and continuing with a horizontal dredge line until it daylights (Figure 4). The footing along the PHL will then be reconstructed to a final depth of -55 ft MLLW and transition up to -53 ft MLLW approximately 19 ft seaward of the PHL. The final depth with continue at -53 ft MLLW until it meets the existing ground in the West Basin.

It is anticipated that construction will include dredging operations using a derrick-mounted clamshell dredge for materials below the mean higher high water elevation (+5.6 ft MLLW). Dredge line tolerance is 0 ft above and 2 ft below horizontal dredge lines. Proposed design slope-tolerances are 1 ft above and 0 ft below sloped portions of the proposed dredge area. Core and boring dimensions have therefore included 2 ft overdredge allowances for horizontal dredge lines and have assumed none for side slopes (Figures 3 and 4).

The total dredge volume of the project has been revised from that presented in the SAP (AMEC 2007) to approximately 260,500 cubic yards (cy). The final design differs from that in the SAP in that the dredge footprint is now closer to the shoreline for a portion of Sites 1 and 2 (Figure 5). Approximately 55,100 cy will be dredged from areas offshore of the PHL (Site 1: 18,500 cy, Site 2: 36,600 cy). Material proposed for dredging landward of the PHL total 205,400 cy.



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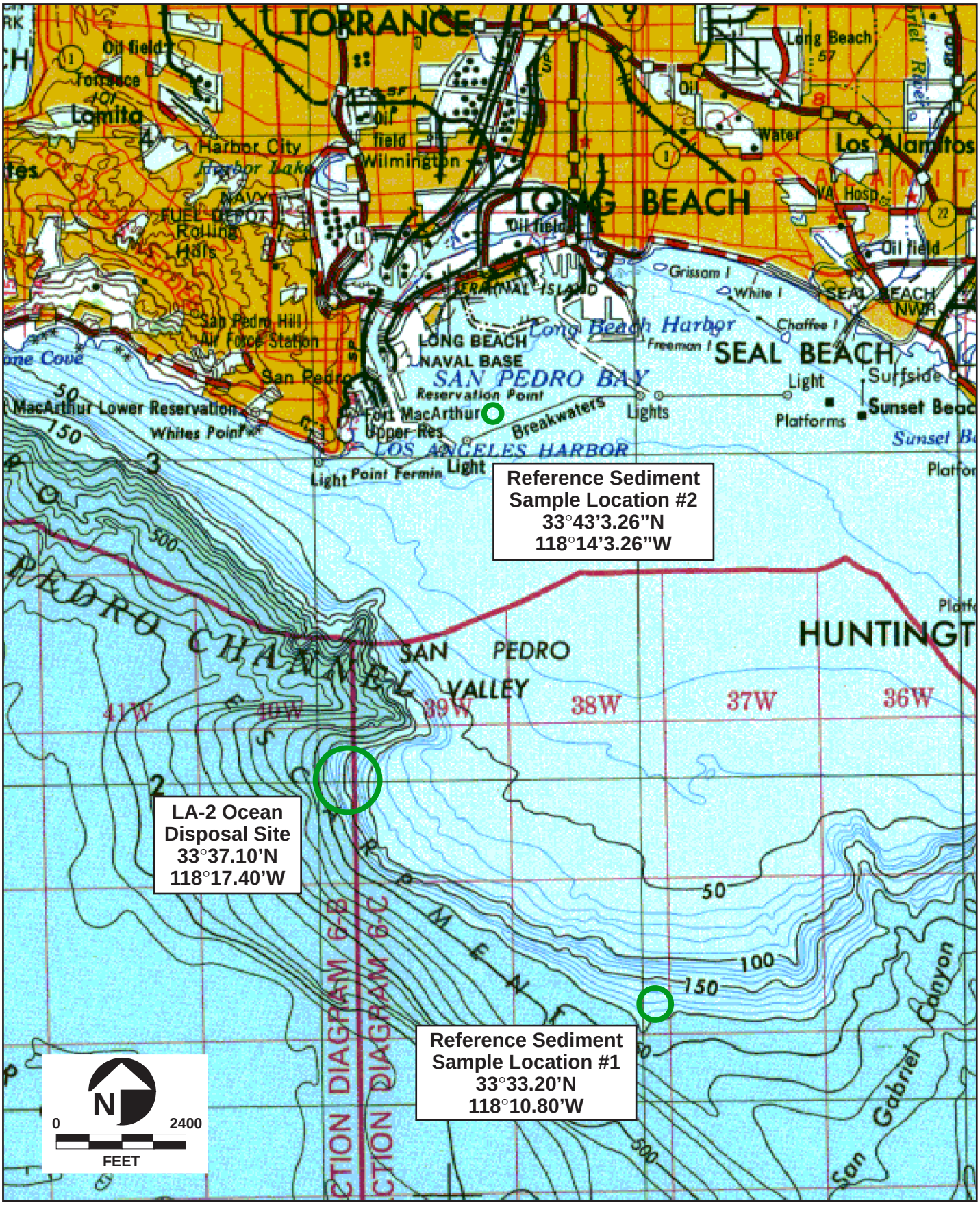
Project Location
Los Angeles Harbor
Berths 145-147

F I G U R E

1

GRAPHICS/Aquatic Sciences/POLA Berths 145_147/Berths 145_147 Proj Loc.FH8



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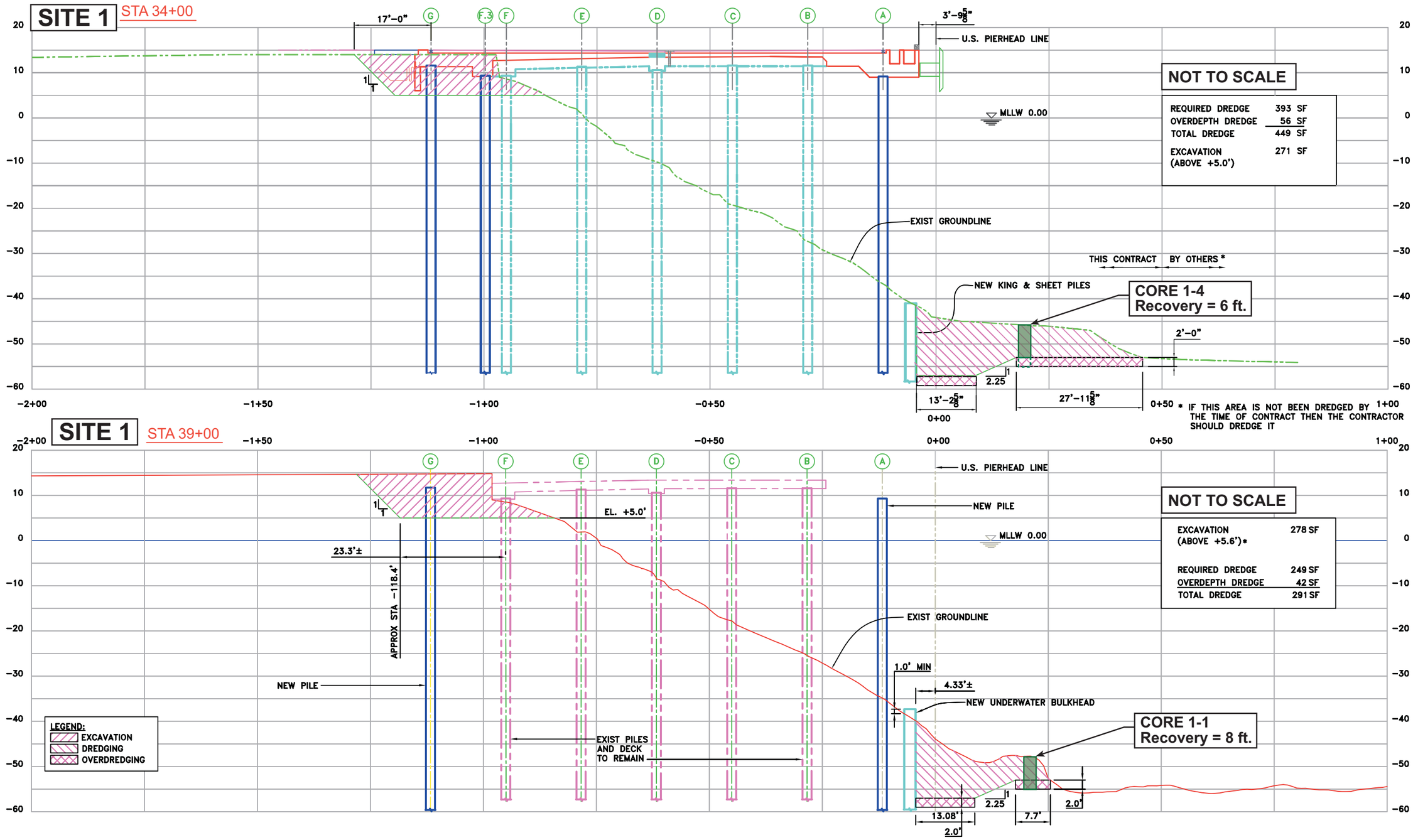
LA-2 Ocean Disposal and
Reference Sediment Collection Sites

FIGURE

2

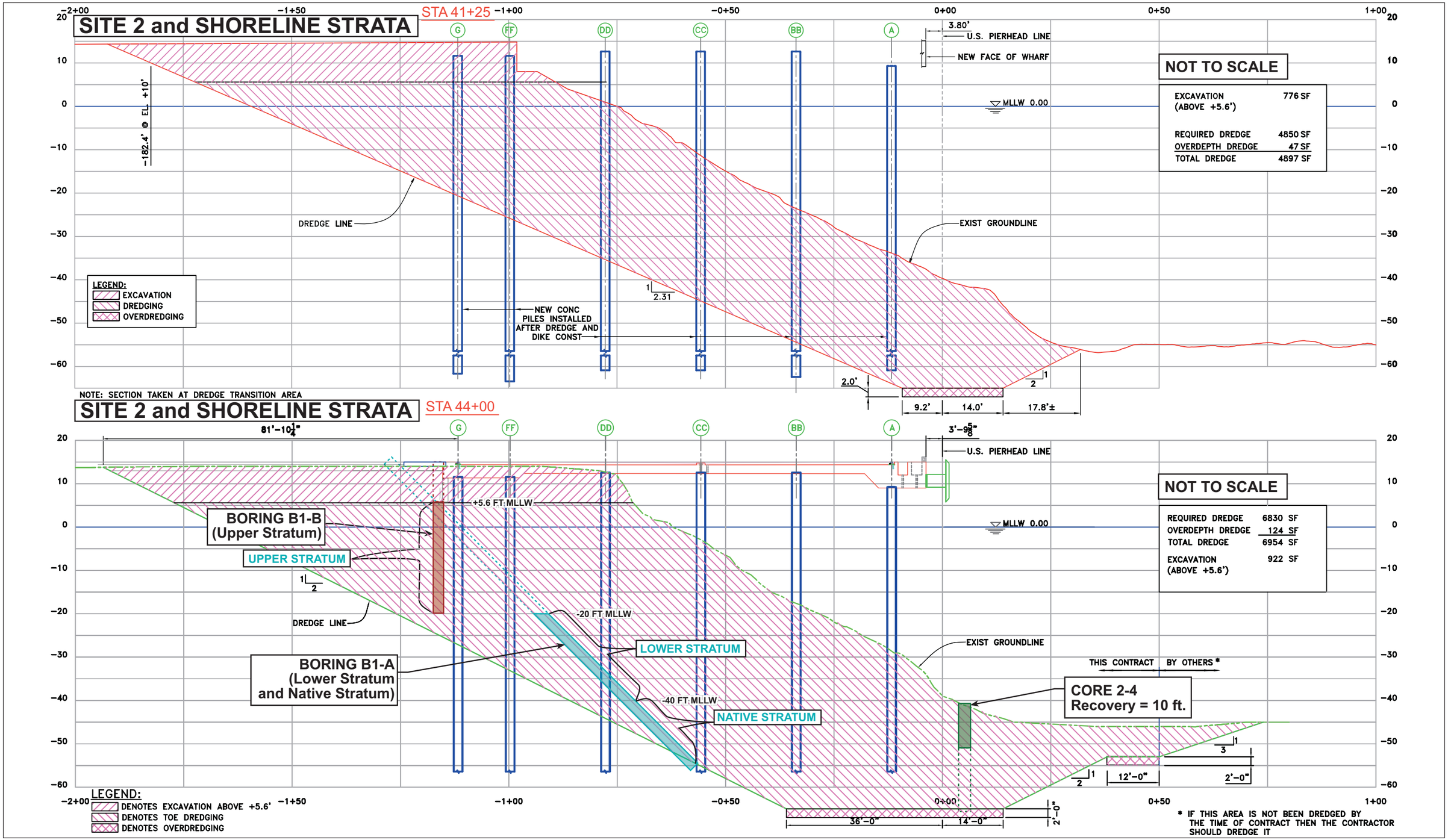
GRAPHICS/Aquatic Sciences/POLA Berths 145_147/ProjectLocation LA.fh8



Typical Cross Sections of Site 1 Offshore Coring Locations
Dredged Materials Testing, Berths 145-147
Port of Los Angeles

FIGURE
3

Graphics/AquaticSciences/POLA Berths145_147/TypicalXSections_v3a.fh8



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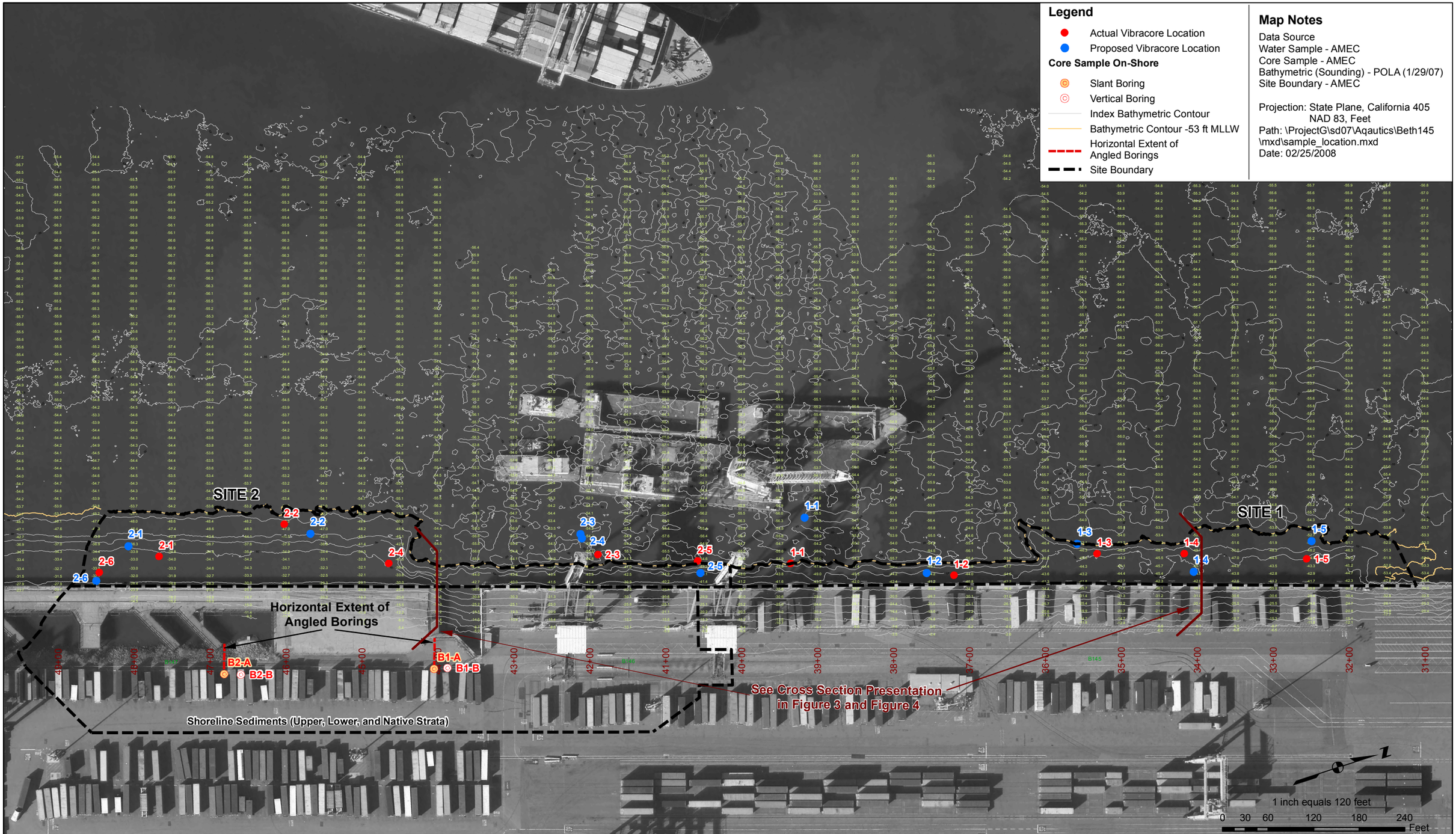
Typical Cross Sections with Shoreline Boring and Site 2 Offshore Coring Locations
Dredged Materials Testing, Berths 145-147
Port of Los Angeles

FIGURE
4

Graphics/AquaticSciences/POLA Berths145_147/TypicalXSections_v4a.fh8



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Marine and Shoreline Sampling Locations (Proposed and Actual)
Berths 145-147
Port of Los Angeles

FIGURE

5

2.2 Previous Sediment Characterization Studies

2.2.1 Berth 144 Dredged Material Testing (Ogden 1996a)

Berth 144 lies adjacent to and north of the proposed project site, and was characterized in 1996 (Ogden Environmental and Energy Services [Ogden] 1996a). The characterization effort included both land- and water-based sampling efforts. Three shoreline area sediment samples were collected using upland borings advanced at a 60-degree under the shoreline slope. Tier II analyses were conducted on several individual strata; Tier II and III analyses were performed on composite samples. The sediment in the shoreline samples of Berth 144 was generally free of chemical contamination (Table 1), with the exception of the top stratum composite of the shoreline area. Statistically significant toxicity was also observed in the top stratum composite solid phase bioassays. Chemical testing of individual shoreline core sediment samples revealed that Core 3 sediments contained elevated levels of the pesticide DDT and its derivatives. The other two cores were virtually free of chemical contamination and were therefore unlikely sources of toxicity.

Similar localized elevated chemistry results were observed in the offshore berthing area, although toxicity was not observed. Chemistry analyses of individual core samples indicated that elevated levels of polycyclic aromatic hydrocarbons (PAHs) were restricted to Core 1 of the offshore Berthing Area. Core 1 displayed eight individual PAHs at levels above their associated effects range median (ERM) levels while the other four cores did not display any PAHs above their ERM levels. Elevated levels of PAHs were found in the worm and clam tissues of the offshore (i.e., berth-side) bioaccumulation tests. Therefore, it was determined that the bioaccumulation effects were limited to sediments in the vicinity of Berthing Area Core 1.

The results indicated that the majority of sediments were suitable for ocean disposal at LA-2; dredging and ocean disposal of these sediments was completed in 2001. Upland disposal was undertaken for sediments determined to be the likely source of contaminants resulting in significant toxicity or bioaccumulation.

2.2.2 Berth 147 Dredged Material Testing (Ogden 1996b)

Sediments at Berth 147 were also characterized in 1996 (Ogden 1996b). The sampling design at Berth 147 was similar to that employed at Berth 144. The shoreline samples consisted of individual strata samples, one composite from each of the top, middle, and bottom strata, and three samples from the underlying native layer. The final sample was a composite of offshore samples collected using a vibracore. The four composite samples underwent full Green Book Tier III testing while the individual strata samples and underlying native sediment samples were tested for bulk sediment chemistry (Ogden 1996b). Results are summarized in Table 2. The top stratum of the shoreline area sediments was the only sample that did not display statistically significant toxicity in any of the tests. Observed toxicity and bioaccumulation was attributed to a variety of chemical constituents in the remaining three samples. ERM values were exceeded for a variety of PAHs in the middle and bottom strata of the shoreline sediments as well as for individual PAHs, mercury, and 4-4'-DDE in the berthing area sediments (Table 2).

Table 1. Berth 144 - Bulk Sediment Chemistry and Summary Toxicity Results (Ogden 1996a)

Analyte	Units	Guideline Values		Shoreline Area					Berthing Area Composite	Reference Sediment
				Top Stratum Composite	Middle Stratum Composite	Native Sediment				
		ERL	ERM			Core 1	Core 2	Core 3		
Percent Solids	%	–	–	23.4	20.9	23.3	23.4	12.9	32.2	24.4
Petroleum Hydrocarbons	mg/kg	–	–	900	7	3	<0.5	<0.5	170	14
Total Organic Carbon (TOC)	%	–	–	0.85	0.48	0.75	0.94	0.2	0.9	0.79
Arsenic	mg/kg	8.2	70	5.6	6.6	7.8	4.1	2	6.6	2.5
Cadmium	mg/kg	1.2	9.6	<0.1	<0.09	<0.2	<0.2	<0.08	<0.1	<0.09
Chromium	mg/kg	81	370	21.8	16	36.9	42.2	13.5	34.6	22.4
Copper	mg/kg	34	270	24.1	11.9	***41.7***	***43.4***	5.4	46.9	11.5
Lead	mg/kg	46.7	218	16.5	5.1	16.5	17.2	5.3	38.6	7.7
Mercury	mg/kg	0.15	0.71	0.074	0.04	0.078	0.066	0.015	0.27	0.021
Nickel	mg/kg	20.9	51.6	15	9.7	***30.4***	***34.3***	7.5	16.8	10.7
Selenium	mg/kg	–	–	<0.4	<0.3	<0.8	<0.8	<0.3	<0.4	<0.4
Silver	mg/kg	1	3.7	0.1	0.3	0.2	0.2	<0.1	0.2	0.2
Zinc	mg/kg	150	410	87.5	37.4	77.9	86.3	23.5	93	46.3
Total Pesticides	mg/kg	–	–	0.014	ND	ND	ND	ND	0.013	0.049
Total PCBs	mg/kg	2.7	180	ND	ND	ND	ND	ND	***59***	ND
Total Phenols	mg/kg	–	–	ND	ND	ND	ND	ND	ND	ND
Total Phthalates	mg/kg	–	–	0.05	ND	ND	ND	ND	0.18	ND
Total PAHs	mg/kg	4.022	44.792	1.95	1.78	1.87	1.87	1.70	11.73	1.87
Total Organotins	μg/kg	–	–	ND	ND	ND	ND	ND	43.5	1.8
Apparent Tier III Effects?*				***Yes***	No	-	-	-	***Yes***	NA

Bold italicized values are above detection and exceed the Effects Range-Low (ERL) values; Effects Range-Median (ERM) values were not exceeded

Total polycyclic aromatic hydrocarbon (PAH) and polychlorinated biphenyl (PCB) concentrations were calculated by adding the results for analytes measured above detection + 1/2 the detection limit for analytes below detection

Table 2. Berth 147 - Bulk Sediment Chemistry and Summary Toxicity Results (Ogden 1996b)

Analyte	Units	Guideline Values		Shoreline Area						Berthing Area Composite	Reference Sediment
				Top Stratum Composite	Middle Stratum Composite	Bottom Stratum Composite	Native Sediment				
		ERL	ERM				Core 1	Core 2	Core 3		
Percent Solids	%	–	–	25.8	24.5	26	32.7	32	30.3	37.9	24.4
Petroleum Hydrocarbons	mg/kg	–	–	15	9	2	2	<0.5	<0.5	240	14
Total Organic Carbon (TOC)	%	–	–	0.4	0.61	0.68	1.6	1.5	1.6	1.5	0.79
Arsenic	mg/kg	8.2	70	3.8	5.5	6.4	***8.2***	***8.9***	***9***	***9.4***	2.5
Cadmium	mg/kg	1.2	9.6	<0.09	<0.09	<0.09	0.2	<0.2	<0.09	<0.12	<0.09
Chromium	mg/kg	81	370	15.2	18.4	19.3	37.2	34.7	36.3	54.9	22.4
Copper	mg/kg	34	270	***55.3***	22.2	22.4	***37.3***	29.5	33.6	***78.1***	11.5
Lead	mg/kg	46.7	218	***76.2***	7.3	7.2	15.3	12.7	12.4	***65.6***	7.7
Mercury	mg/kg	0.15	0.71	0.043	0.063	0.066	0.093	0.077	0.081	0.52	0.021
Nickel	mg/kg	20.9	51.6	17	13.3	13.9	***26.6***	***23.7***	***25.2***	***26.8***	10.7
Selenium	mg/kg	–	–	<0.4	<0.4	<0.4	1	0.9	0.7	<0.5	<0.4
Silver	mg/kg	1	3.7	0.3	0.3	0.1	0.3	0.2	0.3	0.4	0.2
Zinc	mg/kg	150	410	49.3	49.3	48	92.9	86.1	85.7	136	46.3
Total Pesticides	mg/kg	–	–	ND	ND	ND	ND	ND	ND	***0.004***	0.049
Total PCBs	mg/kg	2.7	180	ND	ND	ND	ND	ND	ND	***83***	ND
Total Phenols	mg/kg	–	–	ND	ND	ND	20.5	ND	ND	6.8	ND
Total Phthalates	mg/kg	–	–	ND	ND	ND	ND	ND	ND	ND	ND
Total PAHs	mg/kg	4.022	44.792	1.96	***13.24***	***7.78***	***10.69***	2.13	3.80	***15.59***	1.87
Total Organotins	μg/kg	–	–	ND	ND	ND	ND	ND	ND	37.5	1.8
Toxic Effects Observed?				No	***Yes***	***Yes***				***Yes***	NA

Bold italicized values are above detection and exceed ERL values; no ERM values were exceeded.

2.2.3 Berths 145 through 147 Dredged Material Testing (AMEC 2003)

In 2003, AMEC was contracted by the Port to conduct a sediment characterization limited to the offshore areas of Berths 145 through 147 to determine if ocean disposal was appropriate at LA-2 or at an undetermined in-harbor aquatic disposal location (AMEC 2003). Test sediment was collected using a vibracore at five locations within Site 1 and six locations within Site 2. Each core was homogenized independently and subsampled for physical and chemical testing. All sediments from within each site were then composited and subsampled for the same suite of physical and chemical analyses.

Sediment chemistry results (Table 3) indicated levels of mercury that exceeded the effects range low (ERL) values in almost all samples and exceeded the ERM in two samples. Copper, lead, and nickel exceeded their respective ERLs in several cores at Site 1. At Site 2 arsenic, copper, and nickel also exceeded their respective ERLs in all cores. DDT exceeded the ERL in 12 of 13 samples, but did not exceed the ERM. Organotins were also detected in a portion of the sediments. In the bioassay and bioaccumulation tests (Table 4) no solid phase toxicity was observed. Suspended particulate phase toxicity was observed in the Site 2 bivalve larvae test; however, test data indicates it was likely caused by elevated levels of unionized ammonia levels. No suspended particulate phase toxicity was detected in Site 1 or any of the other suspended particulate phase tests for Site 2. Dredging of these sediments was not undertaken by the Port and 2003 testing results are now considered outdated for dredged material disposal permitting purposes. The proposed effort is to obtain data which is representative of current site conditions.

Table 3. Berths 145 through 147 - Bulk Sediment Chemistry Results (AMEC 2003)

				Site 1						Reference Sites	
Analyte	**Units**	**ERL**	**ERM**	**1-1**	**1-2**	**1-3**	**1-4**	**1-5**	**1-Comp**	**Ref LA-2**	**Harbor Ref**
Metals											
Arsenic	mg/kg	8.2	70	5.78	4.18	7.50	4.07	2.56	3.83	ND	7.47
Cadmium	mg/kg	1.2	9.6	0.656	0.187	0.532	0.232	0.227	0.259	ND	0.719
Chromium (total)	mg/kg	81	370	43.7	21.0	46.4	30.2	17.2	28.0	13.5	45.4
Copper	mg/kg	34	270	***52.7***	22.4	***44.2***	31.9	17.4	27.4	6.88	***48.4***
Lead	mg/kg	46	218	23.5	14.3	***50.7***	23.9	23.2	19.7	3.97	26.8
Nickel	mg/kg	20.9	51.6	***29.7***	11.1	19.7	14.8	10.3	15.4	6.74	***27.2***
Selenium	mg/kg			ND	ND	ND	0.748	ND	ND	ND	ND
Silver	mg/kg	1	3.7	0.301	ND	0.270	0.208	0.201	ND	ND	0.879
Zinc	mg/kg	150	410	99.6	51.4	92.3	65.5	43.8	60.6	34.5	111
Mercury	mg/kg	0.15	0.71	***0.200***	***0.164***	***0.452***	***0.259***	0.119	***0.211***	0.032	***0.191***
Total PCBs	ug/kg			ND	ND	ND	ND	ND	ND	ND	ND
Total Phenols	ug/kg			ND	ND	ND	ND	ND	ND	ND	ND
Total Phthalates	ug/kg			24	88	39	51	ND	44	51	83
Total Pesticides	ug/kg	1.58	46.1	***7.3***	***7.8***	***30***	***13.9***	1.4	***7.8***	***38***	***10***
Total PAHs	ug/kg	4022	44792	265	364	1130	782	166	488	ND	ND
Dibutyltin	ng/dry g			ND	ND	ND	ND	ND	7.5	ND	ND
Monobutyltin	ng/dry g			ND	ND	ND	ND	ND	ND	ND	ND
Tributyltin	ng/dry g			ND	ND	3.1	44.5	ND	40.8	ND	ND

Bold italicized values are above detection and exceed ERL values

Table 3. Berths 145 through 147 - Bulk Sediment Chemistry Results (AMEC 2003) (Continued)

				Site 2							Reference Sites	
Parameter	**Units**	**ERL**	**ERM**	**2-1**	**2-2**	**2-3**	**2-4**	**2-5**	**2-6**	**2-Comp**	**Ref LA-2**	**Harbor Ref**
Metals												
Arsenic	mg/kg	8.2	70	***8.70***	***12.2***	***11.1***	***10.9***	***9.18***	***8.26***	***10.9***	ND	7.47
Cadmium	mg/kg	1.2	9.6	0.339	0.561	0.503	0.325	0.342	0.585	0.612	ND	0.719
Chromium (total)	mg/kg	81	370	40.6	53.3	54.4	47.9	51.5	64.7	65.2	13.5	45.4
Copper	mg/kg	34	270	***40.7***	***85.3***	***73.0***	***50.0***	***58.4***	***65.1***	***83.2***	6.88	***48.4***
Lead	mg/kg	46	218	43.8	***47.9***	45.6	28.7	33.9	***52.6***	***57.7***	3.97	26.8
Nickel	mg/kg	20.9	51.6	***28.5***	***33.9***	***33.0***	***31.9***	***33.8***	***28.1***	***34.9***	6.74	***27.2***
Selenium	mg/kg			0.781	1.11	ND	ND	1.04	ND	ND	ND	ND
Silver	mg/kg	1	3.7	0.192	0.310	0.256	0.169	0.169	0.245	0.239	ND	0.879
Zinc	mg/kg	150	410	94.6	130	124	93.9	103	117	146	34.5	111
Mercury	mg/kg	0.15	0.71	***0.395***	***0.895***	***0.503***	***0.246***	***0.329***	***0.582***	***0.746***	0.032	***0.191***
Total PCBs	ug/kg			ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Phenols	ug/kg			ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Phthalates	ug/kg			ND	21	140	170	65	120	170	51	83
Total Pesticides	ug/kg	1.58	46.1	ND	***12.3***	***4.7***	ND	***4.5***	***16***	***14.3***	38	10
Total PAHs	ug/kg	4022	44792	38	622	724	330	935	2570	1100	ND	ND
Dibutyltin	ng/dry g			ND	ND	13.3	ND	ND	ND	ND	ND	ND
Monobutyltin	ng/dry g			ND	ND	ND	ND	ND	ND	ND	ND	ND
Tributyltin	ng/dry g			ND	3.5	156	11.8	7.5	ND	ND	ND	ND

Bold values are above detection and exceed ERL values
Boxed values exceed ERM values

Table 4. Berth 145 through 147 - Toxicity Results (AMEC 2003)

Site	Suspended Particulate Phase‡			Solid Phase	
	***Menidia* Average Survival (percent)**	**Mysid Average Survival (percent)**	**Bivalve Average Normal Development (percent)**	**Amphipod Mean Survival (percent)**	**Mysid Mean Survival (percent)**
Control	100	96	99	90	96
Ocean Reference	-	-	-	90	94
Harbor Reference	100	98	89*	89	100
Site 1	100	96	96*	91	94
Site 2	100	92	0*	88	94

* - Indicates statistically significant toxicity ($p<0.05$) in comparison to the respective reference or control treatment
‡ - Results from the 100 percent elutriate concentration

3.0 SAMPLING DESIGN

This section includes the sampling approach and methodology, sediment collection techniques, and handling and preservation protocols employed during the characterization study.

3.1 Sediment Collection

3.1.1 Marine Sediment Collection

Sediment collection, handling, and preservation activities followed the procedures outlined in the Green Book. TEG Oceanographic Services provided the vibracore equipment and personnel used to sample sediments while Seaventures supported the collection effort by providing vessel and logistical support. Test sediment was collected using the vibracore at five locations within Site 1 and six locations within Site 2. Predetermined station latitude and longitude data included in the SAP (AMEC 2007) were used with global positioning system (GPS) instrumentation to locate station locations in the field. The accuracy of the differential GPS system used for this sampling event was approximately 5 meters.

The vibracore deployed for this effort used a 4-inch-diameter aluminum (alloy 66030) Teflon-lined tube connected to a stainless-steel nose piece. The vibrating unit is encased in aluminum and uses electricity (240-volt, 3-phase, 26-amp) to drive two outer-rotating vibrators. The vibracore head and tube were lowered by a hydraulic winch and vibrated until resistance (e.g., hard clay) was encountered or at project depth. The vibracore was then turned off, the tube extracted from the sediment and returned to the vessel. The sediment was then extruded onto a tray, photographed, and visually examined for strata and other notable characteristics.

The sediment cores collected at each location were homogenized independently. Subsamples of the homogenate were transferred to labeled containers and kept in an iced cooler for subsequent storage at 4° Centigrade (C). These subsamples included both large volumes for compositing and immediate physical, chemical, and biological analyses (composite samples), and smaller samples that were retained as archives.

3.1.2 Shoreline Sediment Collection

Shoreline sediments were collected from the portion of the project shoreward of the PHL using a rig-mounted rotary boring drill. Augers were advanced into the sediments at an approximate 30 degree angle at 5-ft increments and sediments collected from a 4-inch diameter sleeve. Mr. Mahesh Mettu, a California-registered geologist, was on site to log the sediments. Sediments were sampled such that three strata were sampled: material from +5.6 ft MLLW to -20 ft MLLW (Upper Stratum); from -20 ft MLLW to -40 ft MLLW (Lower Stratum); and material below an approximate elevation/depth of -40 ft MLLW (Native Stratum) (Figure 4). Volumes of these strata were calculated to be 88,700 cy for the Upper Stratum, 65,800 cy for the Lower Stratum, and 50,900 cy for the Native Stratum.

Two separate composite samples were generated from the two boring sites: an Upper Stratum composite and a Lower Stratum composite. These samples were tested for bulk

sediment chemistry, grain size characteristics, and biological testing. In addition, the native sediments from each boring were analyzed for bulk sediment chemistry. Individual strata archive material was retained for each of the individual borings.

3.1.3 Reference Sediment Collection

Reference sediment was collected at an uncontaminated site (33° 33.20' North latitude and 118° 10.80' West longitude) (Figure 2) located near the disposal site using a stainless-steel pipe dredge as described in the SAP (AMEC 2007).

3.1.4 Control Sediment Collection

Control sediment is uncontaminated material obtained from the site of animal collection, and was collected as described in the SAP (AMEC 2007). Control sediment bioassays were performed concurrent to test and reference assays to assess the general fitness of the test animals.

3.2 Sample Collection Documentation, Handling, and Delivery

Sample documentation followed procedures included in the SAP. The integrity of each sample from the time of collection to the point of data reporting was maintained throughout the study by preparing core and drill logs, filling out chain-of-custody forms at the time of sample collection, and photographically documenting cores and discrete boring intervals.

Once samples were photographed and logged, sample material was homogenized, subsampled for archival purposes, and retained for compositing (individual marine cores) or retained for subsampling and compositing (individual boring strata). Immediately after sample containers were filled (with sufficient headspace for freezing), all sample containers were placed on ice in a cooler at 4°C (for archive samples and small volumes designated for immediate testing) or held under ice (for large samples designated for compositing and, following homogenization, for biological testing). Samples were delivered to laboratories on 1 November (marine samples) and 6 November (shoreline samples) 2007.

3.3 Sediment Analyses

3.3.1 Particle Size Analyses

Particle size analyses were conducted on all test sediment composites and the reference sediment using the sieve and hydrometer method (American Society for Testing and Materials [ASTM 1967[).

3.3.2 Chemical Analyses

Chemical analyses were conducted on test and reference bulk sediment samples as described in the SAP (AMEC 2007) and Table 5. Analytes included total solids, ammonia, sulfides (total and dissolved), total organic carbon, metals (including organotins), total recoverable petroleum hydrocarbons, organochlorine pesticides, PAHs, PCBs, phenols, and phthalates.

Table 5. Test Species

Test Organism	Taxon	SPP	SP*	BP
Bivalve Larvae	*Mytilus galloprovincialis*	X		
Fish	*Menidia beryllina*	X		
Mysid	*Americamysis bahia*	X		
Amphipod	*Eohaustorius estuarius*		X	
Polychaete	*Neanthes arenaceodentata*		X	
Polychaete	*Nereis virens*			X
Mollusk	*Macoma nasuta*			X

SP - Solid Phase
SPP - Suspended Particulate Phase
BP - Bioaccumulation Phase

3.3.3 Bioassay Analyses - Toxicity and Bioaccumulation Tests

Bioassay analyses were conducted on the composite marine sediment samples within the 6-week holding time for bioassay sediments. The test series included bioassays conducted on three sediment phases: (1) suspended particulate phase; (2) solid phase; and (3) bioaccumulation phase. Each of these tests was performed in accordance with the Green Book, the Inland Testing Manual (ITM), and EPA Region 9's *General Requirements for Sediment Testing of Dredged Material Proposed for Ocean Dumping* (U.S. EPA 1991a).

The organisms to be tested in the three-phase bioassay series are outlined in Table 6. The amphipod *Ampelisca abdita* was replaced with *Eohaustorius estuarius* due to organism availability. *Eohaustorius* is a widely accepted test animal; test validity and conclusions derived from the test results are unchanged as a result of this substitution.

Suspended particulate, solid, and bioaccumulation phase testing was conducted according to procedures outlined in the SAP (AMEC 2007) and with guidance from applicable standard methods (e.g., ASTM protocol [ASTM 1990]). Further description of the test methodologies is presented in the bioassay testing report prepared by Nautilus Environmental (Appendix A).

A similar suite of chemical analyses to that used for test sediments was applied to the bioaccumulation tissue samples. The constituents to be analyzed, along with their respective detection limits, are presented in Table 5. As stated in the SAP (AMEC 2007) tissues samples were frozen following their depuration period prior to delivery to CRG Marine Laboratories, Inc. on 21 December 2007.

Table 6. Recommended Methods for Sample Preparation and Analysis, and Target Detection Limits for Sediments and Tissues

Analyte	Sample Preparation and Analysis Methods	Sediment Target Detection Limits[a, b]	Tissue Target Detection Limits[a, b]
Total Solids (%)	SM2540B/160.3	0.1	0.1
Total lipids (%)	Gravimetric	NA	0.05
Total organic carbon (%)	9060A	0.1	NA
Total ammonia (mg/kg)	SM4500-NH3 B/E[c]	0.2	NA
Total & Soluble Sulfides (mg/kg)	376.2M[c]	0.1	NA
Arsenic (mg/kg)	6020[d]	0.1	0.05
Cadmium (mg/kg)	6020[d]	0.1	0.05
Chromium (mg/kg)	6020[d]	0.1	0.05
Copper (mg/kg)	6020[d]	0.1	0.05
Lead (mg/kg)	6020[d]	0.1	0.05
Mercury (mg/kg)	7471A[d]	0.02	0.02
Nickel (mg/kg)	6020[d]	0.1	0.05
Selenium (mg/kg)	6020[d]	0.1	0.05
Silver (mg/kg)	6020[d]	0.1	0.05
Zinc (mg/kg)	6020[d]	1.0	0.05
Organotins (µg/kg)	Krone *et al.*[h]	3.0	NA
TRPH (mg/kg)	418.1M[d]	5.0	NA
PAHs[e] (µg/kg)	8270C[d.e]	20	5
Chlorinated Pesticides[f] (µg/kg)	8081A[d,f]	0.5 – 30	5
PCBs[g] (µg/kg)	8082[d,g]	20	20
Phenols (µg/kg)	8270C[d]	20 – 100	NA
Phthalates (µg/kg)	8270C[d]	10	NA

[a] Sediment minimum detection limits are on a dry-weight basis. Tissue minimum levels are on a wet-weight basis
[b] Reporting limits provided by Calscience Environmental Laboratories, Inc. and CRG Marine Laboratories Inc.
[c] Standard Methods for the Examination of Water and Wastewater, 19th Edition APHA *et al.* 1995
[d] EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition
[e] Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene), fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene
[f] Includes aldrin, α-BHC, β-BHC, γ-BHC (lindane), δ-BHC, chlordane, 2,4- and 4,4-DDD, 2,4- and 4,4-DDE, 2,4- and 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene.
[g] Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262
[h] Krone *et al.* 1989, or similar (e.g. Rice, C.D. *et al.* 1987)

PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
TRPH – total recoverable petroleum hydrocarbons
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

4.0 RESULTS

4.1 Sediment Collection

As described in the SAP (AMEC 2007), the sample collection effort was documented using core logs and photography. Core and boring logs can be found in Appendix B; photographs of cores and borings are found in Appendix C.

4.1.1 Marine Sample Collection

Sediment collection took place on 29 and 30 October 2007 from the vessel *Early Bird*. Sample locations were identified using a differential GPS unit; proposed and actual sampling locations are presented in Figure 5. Several issues arose with respect to locating appropriate sampling locations:

- Upon locating the pre-designated location for Core 1-1 (using latitude and longitude data from the SAP), calculations using on-site bathymetric data and known dimensions of the proposed dredge prism indicated an approximately 1-ft core, compared to a target 11-ft core presented in the SAP. Station 1-1 was therefore re-designated at a location closer to the shoreline (Figure 5).
- In addition, the latitude and longitude data in the SAP (AMEC 2007) for Stations 2-3 and 2-4 were identical. The map included in the SAP was used to identify landmarks and the station location. As a result, sediments reported herein as Core 2-3 were sampled from the perimeter of the dredge area at the location identified in the SAP as Core 2-4 (Figure 5 of the SAP). Core 2-4 was sampled at a location originally identified as Station 2-3.
- Following the sampling effort, updated design information became available, and as a result the dredge prism was changed slightly in the vicinity of the offshore boundary of Sites 1 and 2. Due to the change, one core was collected from outside the project boundary (Core 2-3) and two cores were collected from within the project boundary, but may have achieved a refusal depth below the vertical limit of dredging (Cores 2-5 and 1-1) (Figure 5). However, based on the close proximity of the sampling locations to the project area, the sediments tested remain representative of sediments within the project dredge prism.

Cores collected from Site 1 generally did not achieve project depth due to core refusal in highly consolidated sediments, but are generally representative of the top 5 to 8 ft of sediment (Table 7). Half of the Site 2 cores achieved greater than 90 percent recovery of proposed dredge samples; the remaining 3 cores within Site 2 achieved varying levels of recovery (Table 7).

Table 7. Marine Core Log Summary

Site	Coring Location	Number of Cores	Position (Latitude, Longitude)	Target Recovery (Core Depth) (ft)	Core Recovery (ft)[1]	Comments
1	1-1	2	33°45.627 118°16.395 / 33°45.627 118°16.393	7.5 / 16	2.5 / 8	Core 0 exhibited poor recovery of highly consolidated material, therefore discarded and location shifted shoreward. Good recovery in Core 1. Top of core down: 4.5 ft dark gray silt; 0.5 ft transition with gray fine sand; 3 ft tan/brown/gray consolidated clayey silt with fine sand. Archive collected from top layer 1-1A.
	1-2	2	33°45.660 118°16.379	17	4.5 / 5	Top of core down: 4.5 ft loose gray silt. Gravel in plug. Core 1: Gravel in plug at 6 ft, otherwise consistent. Core 2: Very consistent; off of 37+50, approximately 10 ft off bumper. Material more consolidated at depth.
	1-3	1	33°45.691 118°16.373	**11**	7.5	Top of core down: 1.5 ft gray/brown loose silt; 1.5 ft gray/black silt; 4.5 gray fine sand. *Early Bird* located off of 35+25; 25 ft off of bumper. Very nice core. Bottom sandy material very consistent with other area cores.
	1-4	2	33°45.709 118°16.366	10.5	5 / 6	Core 2 collected for additional volume; achieved better recovery. Core 2, top of core down: 1.5 ft gray/tan silt; 1.0 ft dark gray black find sand; 0.5 ft dark gray black silt; 0.5 dark gray/black fine sand; 2.5 ft gray/blue fine sand. Core 1 and Core 2 very consistent, Core 1 bottom material with slightly lighter color.
	1-5	1	33°45.734 118°16.355	**10.5**	7	Top of core down: 1 ft gray fine sand; 0.5 ft gray fine – medium sand; 5.5 ft gray fine sand. At 32+50 (no further north due to bow lines of berthed vessel *Mol Express*). Almost no surficial 'fluffy' layer. Additional fine/medium sand lens noted 5 ft from top prior to homogenization.

Table 7. Marine Core Log Summary

Site	Coring Location	Number of Cores	Position (Latitude, Longitude)	Target Recovery (Core Depth) (ft)	Core Recovery (ft)[1]	Comments
2	2-1	1	33°45.497 118°16.447	20	13	Top of core down: 1 ft tan/gray loose silt; 4 ft black/gray loose silt; 0.5 ft transition; 7.5 ft gray consolidated clay/silt. Transition with shell hash and fine sand. Petroleum odor at 4 ft down from top (archive 2-1A [discrete]).
	2-2	1	33°45.525 118°16.445	10	9	Top of core down: 1 ft light gray/tan loose silt; 1 ft dark gray silt with some sand lenses; 2 ft gray silt; 5 ft light gray silt. Some shell hash in lower 2 ft of silt.
	2-3	1	33°45.589 118°16.418	11	11	Top of core down: 4.5 ft gray loose silt; 4.5 ft gray compact silt; 0.5 ft gray silt; 1 ft gray/brown silt; bottom 0.5 ft blue-gray compact clayey silt. 1.5 ft plug of Tan silt. Plug very compact with lighter colored inclusions, rust spots. At 4.5 ft from top, layer of cream colored micro strata/layers (photo) and 1 inch-thick shell hash (*Tagelus*).
	2-4	1	33°45.544 118°16.427	25	8.5	Top of core down: 1 ft black/dark gray loose silt; 1.5 ft black silt with odor; 6 ft very consolidated gray silt with clay. Appeared that GPS of 2-4 and 2-3 are identical and therefore collecting this sample in vicinity of where 2-3 is designated. Refusal at 10 ft. Bottom layer: very little shell hash. Middle black layer with odor of petroleum and therefore archived as 2-4A.
	2-5	1	33°45.608 118°16.403	13.5	5	Top of core down: 2 ft dark gray/black silt with oyster/ mussel shell at surface; 3 ft blue-gray compact clay/silt. Original station location at project depth moved location landward to area proposed for dredging to -57 ft
	2-6	1	33°43.816 118°13.326	12.5	11.5	Top of core down: 1.5 ft black silt with shell hash; 4 ft black silt; 1 ft transition; 5 ft consolidated gray silt with clay and shell hash. Archive collected from 4 ft below surficial muck and shell. Shell hash in lenses at -4.5 ft; -8.5 ft from top.

[1] Recovery was the linear measure of material obtained once extruded from the core liner
ft - foot/feet

4.1.2 Shoreline Sample Collection

Initial borings were collected on 29 and 30 October 2007. Soil borings, Boring B1 and Boring B2, were installed at an approximate angle of 30 degrees using a hollow-stem-auger drill rig, utilizing a 5-inch-diameter drill bit to create an 8-inch-diameter borehole. Soil samples for lithologic logging and laboratory analysis were collected using a 2.5-inner diameter (3-inch outer diameter) by 5-foot-long core barrel sampler. Lithologic logging was performed using ASTM Test Method D 2488, utilizing the Unified Soil Classification System (USCS). Both soil borings were installed in areas covered with asphaltic concrete to depths of approximately 0.5 ft below ground surface (bgs) followed by fill material to a depth of approximately 5 ft (as measured linearly from the surface). These materials were discarded as soils and were not further characterized as part of this study.

In soil Boring B1, petroleum odor was detected approximately from 6.5 through 11 linear ft interval, and coincided with photoionization detector (PID) readings ranging from 0.2 to 42 parts per million (ppm) across the same depth interval (indicating the presence of volatile organic compounds). The lithology of Boring B1 was predominantly silty sand to a depth of approximately 35 linear ft underlain by clay and silty clay, with a lens of sand between approximately 50 to 51.5 linear ft. Wood chips were identified in the sample collected at the 6.5 linear ft interval, and shells were identified in samples collected from 27, 30, 46.5, 50, 60, and 70 linear ft intervals.

In soil Boring B2, odor was detected between 60 and 65 linear ft, and coincided with PID readings ranging from 0.9 to 2.4 ppm. Odor was also detected between 70 and 79 linear ft, and coincided with PID readings ranging from 0.0 to 3.0 ppm. The general lithology of Boring B2 was silty sand to a depth of approximately 20 linear ft. These silts and sands were underlain by a 10-foot-thick clay layer to approximately 30 linear ft, followed by a layer of fine-grained sand between 30 and 45 linear ft, silty sand from 45 to 50 linear ft, and clay from 50 to 80 linear ft. Shells were identified in samples collected from 40, 46, 52, and 56-57 linear ft intervals.

For both Boring B1 and B2, recovery of materials from the Upper Stratum (i.e., +5.6 ft MLLW to -20 ft MLLW) was extremely limited due to its highly sandy nature; volumes from these samples were insufficient to conduct biological testing. Therefore, following consultation among staff geologists and the drilling contractor, it was determined that a modified method of coring would be used to sample the Upper Stratum. The drill rig was reconfigured to collect continuous samples using a vertical direct-push approach (as opposed to angled split-spoon). The dredge prism dimensions were reviewed and it was determined that the boring entry site was far enough seaward that the vertical approach would collect materials proposed for dredging, as shown on Figure 4. The second sampling of the Upper Stratum was conducted on 2 November 2007 and achieved target sample recoveries. Sediment characteristics were generally consistent with those observed during the initial drilling effort. Upper Stratum samples consisted solely of material collected using the vertical approach, and data associated with the Upper Stratum is representative of the area sampled vertically (Figure 4).

4.1.3 Reference Sediment Collection

Reference sediments were collected on 28 October 2007 using a pipe dredge at the reference sediment collection site identified in the SAP (AMEC 2007). Materials consisted of fine sand with silt and were visually and texturally consistent with reference sediments collected from the site for previous sediment testing efforts.

4.2 Test Results

The following subsections summarize the analyses conducted on the test and reference sediments. Tables containing a greater level of detail, along with respective original laboratory reports can be found in Appendices D (particle size), E (bulk sediment chemistry), and F (bioaccumulation tissue chemistry). As stated above, the bioassay testing report is included as Appendix A.

4.2.1 Physical Parameter Test Results

Particle-size analyses were undertaken on the composite samples and revealed that test sediments were generally dominated by the silt fraction. Gravels and coarse sands were not observed in any of the samples. The Upper Stratum composite was the exception to this generalization: while a high proportion of the material was silt (>37 percent), it is best described as a fine sand (Table 8).

Table 8. Summary of Particle-Size Analyses Results

Sample	General Description	Percent Gravel	Percent Sand			Percent Silt	Percent Clay
			Coarse	Medium	Fine		
Reference	Fine sand	0.0	0.0	0.0	58.2	34.4	7.4
Site 1	Silt	0.0	0.0	0.0	5.2	66.1	28.8
Site 2	Silt	0.0	0.0	0.0	18.6	58.2	23.3
Upper Stratum	Fine sand	0.0	0.0	7.1	45.0	37.3	10.6
Lower Stratum	Silt	0.0	0.0	4.5	25.0	50.8	19.7

4.2.2 Bulk Sediment Chemistry Results

Bulk sediment chemistry was conducted on the composite samples, the two native strata of the shoreline borings, and for individual core/borings for Site 2 and the Lower Stratum. General chemistry analyses results (Table 9) conducted on the bulk sediments indicated that all parameters were within the expected ranges for sediments collected from industrial harbors in southern California. Ammonia concentrations were noticeably higher in Site 2 and Lower Stratum sediments (29 and 30 mg/dry kg) when compared to reference sediment concentrations (9.9 mg/dry kg).

Table 9. Summary of Composite General Chemistry Results - Shoreline Sites

Compound	Site 1	Site 2	Upper Stratum	Lower Stratum	Native Stratum Core B1	Native Stratum Core B2	Reference
Ammonia (as N) (mg/dry kg)	5	29	4	30	39	43	9.9
Total Organic Carbon (percent)	0.67	1.3	0.94	0.93	0.78	0.83	ND
Moisture (percent)	30.3	34.1	24.7	31.1	29.1	29.3	29.6
Solids, Total (percent)	69.7	65.9	75.3	68.9	70.9	70.7	70.4
Sulfide, Dissolved (mg/dry kg)	ND	ND	ND	ND	ND	ND	ND
Sulfide, Total (mg/dry kg)	49	39	ND	ND	0.14	1.4	ND
TRPH (mg/dry kg)	38	ND	110	ND	ND	ND	ND

mg/dry kg – milligrams per kilogram, dry weight
ND – not detected above the reporting limit
REF – Reference Site sediments
TRPH – total recoverable petroleum hydrocarbons

Metals ERL values were exceeded for arsenic, copper, mercury, nickel, and zinc in the marine samples. However, none of the results were greater than twice the ERL (and therefore well below the ERM) (Table 10), with the exception of the mercury concentration in Site 2 sediments (0.449 mg/dry kg, compared to an ERL of 0.15 and an ERM of 0.71). The absence of metal ERL exceedances for the shoreline composite samples was striking: the only exception was the nickel concentration in the Lower Stratum sediments (22.8 mg/dry kg), a slight exceedance of the respective ERL value (20.9 mg/dry kg) (Table 10). Metal concentrations in the Native Stratum samples (discrete grabs collected at the bottom of each boring) were incrementally higher than values in the Lower Stratum, but high enough to exceed the ERL values for copper and nickel for both native stratum samples, and to exceed the arsenic and zinc ERLs in the native stratum of Boring B2. Butyltins were detected in marine samples, but not in shoreline or reference samples (Table 10).

Organic compounds were detected in all sediment samples tested, including the reference sediments (Table 11). The data is summarized by analyte class below:

- DDT compounds were the only pesticides detected, and were made up of 4,4'-DDD and 4,4'-DDE. Total DDT concentrations in Site 1, Site 2, and Upper Stratum sediments (5.4 μg/dry kg, 11, μg/dry kg, and 10.9 μg/dry kg, respectively) exceeded the ERL value (1.58 μg/dry kg), but were well below the ERM value (46.1 μg/dry kg) (Table 11). The concentrations observed in test sediments were not markedly different from the Reference sediment concentration (6.2 μg/dry kg). DDT compounds were not detected in the Lower Stratum or either of the native stratum grab samples.
- PCBs, consisting solely of Aroclor 1254, were detected in both Site 1 and Site 2 sediments (24 and 54 μg/dry kg respectively), but were below the reporting limit for Upper Stratum, Lower Stratum, and Reference sediments. Detected values exceeded the ERL concentration 22.7 μg/dry kg), but were below the ERM value (150 μg/dry kg)(Table 11).
- PAHs were detected in all test sediments, but were absent from reference sediments. The low-molecular weight PAH (LPAH) ERL value (552 μg/dry kg) was not exceeded in any of the samples; the high-molecular weight PAH (HPAH) ERL value (1,700 μg/dry kg) was exceeded only in Site 2 sediments (1,946 μg/dry kg). PAHs were not detected in the Native Stratum B1 sample. The Native Stratum Core B2 sample values were slightly higher compared to the Lower Stratum data (Table 11), but did not exceed ERL values for LPAHs and HPAHs. The total PAH ERL value was not exceeded for any of the samples. Several individual PAH ERL values were exceeded in sediments sampled from Site 2 (acenapthene, fluorine), the Upper Stratum (acenaphthene, fluorine), the Lower Stratum (acenaphthene, fluorine, and anthracene) and the Native Stratum samples (Appendix E). ERM value exceedances (individual and total) were not observed in any of the data.
- Phenols were observed in Site 1, Site 2, Lower Stratum, and Core B2 of the Native Stratum sediment samples (Table 11). Phenols were not detected in Upper Stratum sediments, and otherwise ranged from 15 μg/dry kg (Site 2) to 1230 μg/dry kg (Native Stratum Core B2).
- Phthalates were observed in all samples, ranging from 48 μg/dry kg in the Lower Stratum sediments to 181 μg/dry kg in Site 1 sediments (Table 11). Native Stratum concentrations (73 μg/dry kg and 84 μg/dry kg for Cores B1 and B2 respectively) were consistent with Reference sediment levels (75 μg/dry kg).

Table 10. Summary of Bulk Sediment Metals Results

Metal (mg/dry kg)	ERL	ERM	Marine Samples		Shoreline Samples				Reference
			Site 1	Site 2	Upper Stratum	Lower Stratum	Native Stratum Core B1	Native Stratum Core B2	
Arsenic	8.2	70	6.59	***10.1***	4.18	7.42	7.46	***8.34***	2.27
Cadmium	1.2	9.6	0.239	0.445	0.14	0.176	0.178	0.189	ND
Chromium	81	370	33.8	48.5	18	32.2	36	44.7	24.9
Copper	34	270	***41.2***	***69.9***	18.9	30.9	***34.3***	***37.7***	11.1
Lead	46.7	218	20.5	38	10.2	7.64	9.09	10.6	5.18
Mercury	0.15	0.71	***0.164***	***0.449***	0.0421	0.0635	0.0853	0.0775	0.032
Nickel	20.9	51.6	18.5	***29.7***	12.7	***22.8***	***25.4***	***30.1***	11.9
Selenium	NA	NA	ND	ND	ND	1.09	ND	0.867	ND
Silver	1	3.7	ND	0.212	ND	ND	0.146	0.155	ND
Zinc	150	410	139	***164***	136	133	109	***158***	106
Total Butyltins			30	37	ND	ND	ND	ND	ND

Bold Italic - indicates exceedance of the respective ERL value.
mg/dry kg – milligrams per kilogram, dry weight
NA – not available/none established.
ND – not detected above the reporting limit
REF – Reference Site sediments

Table 11. Summary of Bulk Sediment Organic Compound Results

Compound (µg/dry kg)	ERL	ERM	Marine		Shoreline				REF
			Site 1	Site 2	Upper Stratum	Lower Stratum	Native Stratum Core B1	Native Stratum Core B2	
Pesticides and PCBs									
4,4'-DDD	2	20	ND	ND	***7***	ND	ND	ND	ND
4,4'-DDE	2.2	27	***5.4***	***11***	***3.9***	ND	ND	ND	***6.2***
Total DDTs	1.58	46.1	***5.4***	***11***	***10.9***	ND	ND	ND	***6.2***
PCBs (Aroclor 1254)	22.7	180	***24***	***54***	ND	ND	ND	ND	ND
Semivolatile Organics									
Total LPAHs	552	3,160	52	528	200	385	ND	659	ND
Total HPAHs	1,700	9,600	1,331	***1,946***	703	65	ND	307	ND
TOTAL PAHs	4,022	44,792	1,383	2,474	903	450	ND	966	ND
Total Phenols	NA	NA	65	15	ND	268	ND	1230	ND
Total Phthalates	NA	NA	181	153	168	48	73	84	75

Bold Italic – indicates exceedance of the respective ERL value
ERL – Effects Range - Low values (Long et al 1995)
ERM – Effects Range - Median values (Long et al. 1985)
HPAHs – high molecular weight PAHs
LPAHs – Low molecular weight PAHs
µg/dry kg – micrograms per kilogram, dry weight
NA – not available/not established
ND – not detected above the reporting limit
PCB – polychlorinated byphenyl
PAH – polynuclear aromatic hydrocarbon
REF – Reference Site sediments

4.2.3 Solid Phase Toxicity Testing Results

Solid phase toxicity results for the amphipod (*Eohaustorius*) and worm (*Neanthes*) tests are summarized in Table 12. Reference sediment survivorship was 90 and 100 percent, respectively, for amphipod and polychaete tests.

For the amphipod test, a one-way analysis of variance (ANOVA) test detected a statistically significant difference among sites ($p<0.001$); subsequent one-tailed *t*-tests indicated that Site 2 and Lower Stratum sediments exhibited statistically reduced survival (both 59 percent) when compared to reference sediment data (90 percent) ($p<0.5$) (Appendix A). In addition, these results were greater than 20 percent different from the reference sediment survival. Therefore, on the basis of the amphipod test results, the Green Book limiting permissible concentration (LPC) criteria for benthic impacts were not met for Site 2 and Lower Stratum composite samples. Possible causes and implications of these test results are discussed further in Section 5.

For the solid phase polychaete test, a one-way ANOVA test did not detect a statistically significant difference among sites ($p<0.05$).

Table 12. Solid Phase Toxicity Test Results

Site	Amphipod Mean Percent Survival	Polychaete Mean Percent Survival
Control	92	100
Reference	90	100
Site 1	88	100
Site 2	***59****	92
Upper Stratum	87	96
Lower Stratum	***59****	92

Bold* - Statistically significant reduced survivorship and greater than 20 percent difference compared to Reference value.

4.2.4 Suspended Particulate Phase Results

Suspended particulate phase tests were conducted using *Menidia* (fish), mysids (shrimp), and mussel (bivalve) larvae as described above; results are summarized in Tables 13 and 14. For the *Menidia* test, statistically reduced survivorship was determined using Dunnett's Multiple Comparison test ($p<0.05$). Toxicity was observed in the 100-percent elutriate concentration treatment for Site 2 and Lower Stratum sediments (45 and 43 percent, respectively), and in the 50-percent elutriate concentration for Lower Stratum sediments (68 percent) (Table 13). Median lethal concentrations (LC_{50}) were calculated to be 97 and 98 percent for the Site 2 and Lower Stratum sediments, respectively.

Table 13. Suspended Particulate Phase Test Results - *Menidia* and Mysid Survival Tests

Elutriate Concentration (percent)	*Menidia* - Mean Percent Survival				Mysid - Mean Percent Survival			
	Site 1	Site 2	Upper Stratum	Lower Stratum	Site 1	Site 2	Upper Stratum	Lower Stratum
Control (0)	88	88	88	88	95	95	95	95
10	85	98	87.5	75	100	100	95	98
50	100	75	93	**68***	98	98	98	98
100	95	**45***	85	**43***	95	93	95	80
LC_{50}/EC_{50}	>100%	97%	>100%	98%	>100%	>100%	>100%	>100%

Bold and * – statistically significant reduction from the control (*t*-test, p< 0.05)
EC_{50} – median effect concentration
LC_{50} – median lethal concentration

Table 14. Suspended Particulate Phase Test Results - Bivalve Development Test

Elutriate Concentration (percent)	Bivalve - Mean Percent Normal Development			
	Site 1	Site 2	Upper Stratum	Lower Stratum
Control (0)	82	82	81	81
10	72	**77***	**71***	77
50	73	**2.4***	**74***	**1.4***
100	78	**0.2***	**65***	**0.8***
LC_{50}/EC_{50}	>100%	20.5%	>100%	20.1%

Bold and * – statistically significant reduction from the control (*t*-test, p< 0.05).
EC_{50} – median lethal concentration.
LC_{50} – median lethal concentration.

For the mysid test, statistically reduced survival was not observed for any of the test sediments when compared to the control survivorship (95 percent) (Table 13). This was true for all elutriate concentrations; LC_{50} values were all greater than 100 percent.

Bivalve larvae development exhibited a pattern similar to that of the *Menidia* test: normal development was greatly reduced in the 100-percent elutriate treatments for Site 2 and Lower Stratum sediments (0.2 and 0.8 percent, respectively) (Table 14). Median effects concentrations (EC_{50}) were calculated to be approximately 20 percent for both sediments. In addition, a statistically significant reduction in normal development was observed for several elutriate concentrations of the Upper Stratum sediments; however, the magnitude of these reductions was minor and the EC_{50} calculated to be greater than 100 percent.

According to the Green Book, the LPC criteria for suspended particulate phase tests are to be determined relative to potential water quality impacts at the disposal site. The LPC criterion is considered met if the dredged material concentration remains at less than 1 percent of the LC_{50} or EC_{50} at the boundary of the disposal site during the initial 4-hour mixing period and is less than 1 percent of the LC_{50} or EC_{50} at the boundary of the disposal site at the end of the mixing period.

To make this determination, the STFATE module of the Automated Dredging and Disposal Alternatives Management Systems (ADDAMS) model (Schroeder and Palermo 1990) was run under the scenario most likely to result in an LPC exceedance: the 20 percent EC_{50} value associated with the bivalve larvae development results for Site 2 and Lower Stratum sediments. Other input parameters derived from data collected as part of this effort (e.g., grain size data), the bathymetric and oceanographic characteristics of the LA-2 Ocean Dredged Material Disposal Site, general assumptions relating to disposal methodology (e.g., 4,000 cy split-hull scow), and default coefficients and parameters within the module program.

The model was initially run for a 4-hour period with the result that the plume had passed outside of the model space boundary. For a second run of the module, the model space was expanded and module output file indicated that the “toxicity criteria for the disposal site was not violated.” The suspended particulate phase LPC criterion was therefore met for the worst-case scenario (i.e., for bivalve larvae development toxicity associated with Site 2 and Lower Stratum sediments).

4.2.5 Bioaccumulation Exposure Test Results

Clam and worm bioaccumulation tissues were tested for metals and organic compound concentrations to assess whether tissues exposed to test sediments accumulated higher levels of contaminants than organisms exposed to reference sediments. When mean test tissue concentrations were higher than in respective reference tissues, statistical comparisons were undertaken to determine elevated levels were statistically elevated. Statistical tests were only undertaken when at least four of the five replicates exhibited detectable levels of an analyte, and consisted of one-tailed *t*-tests assuming equal variance for cases in which all five replicates of each test group had detectable levels of an analyte. If the number of replicates with detectable levels of an analyte differed between test and reference groups, an assumption of unequal variance was adopted.

Metal concentrations in both clam and worm tissues were low (Tables 15 and 16). Although some test tissues contained elevated concentrations, statistically significant results were attributable to low variance associated with replicate data for each test sediment treatment. In all cases, statistically elevated metals were less than twice the concentration observed in the reference sediment-exposed tissues.

Worm tissues appeared to be more prone to organic compound bioaccumulation than clams (Table 17). DDT compounds were detected in worm tissues exposed to Site 1, Site 2, and Upper Stratum sediments (DDTs were the only pesticides detected); statistical comparisons

Table 15. Metals Bioaccumulation Results - Clam Tissues

Metal	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
(mg/dry kg)	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	22.2	2.2	22.8	1.2	20.2	1.2	21.6	0.8	20.7	1.0
Cadmium (Cd)	0.273	0.013	0.270	0.011	0.287	0.020	0.277	0.020	0.274	0.028
Chromium (Cr)	1.26	0.11	1.21	0.10	1.47	0.36	1.24	0.35	1.26	0.22
Copper (Cu)	8.08	0.72	***9.63***	0.51	***12.15***	0.93	***12.71***	1.37	7.91	0.78
Lead (Pb)	***1.76***	0.16	***2.00***	0.09	1.11	0.10	1.22	0.07	1.06	0.08
Mercury (Hg)	-	-	0.079	-	0.080	-	0.080	-	0.080	-
Nickel (Ni)	2.44	0.20	2.69	0.08	2.88	0.35	2.36	0.24	2.67	0.23
Selenium (Se)	2.31	0.24	2.27	0.06	2.28	0.15	2.18	0.02	2.23	0.12
Silver (Ag)	0.376	0.026	***0.491***	0.024	***0.501***	0.020	***0.477***	0.021	0.361	0.030
Zinc (Zn)	95.0	9.0	***94.4***	2.2	86.4	4.8	81.2	2.9	86.6	4.0

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$)

SE – Standard Error

Table 16. Metals Bioaccumulation Results - Worm Tissues

Metal (mg/dry kg)	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	14.13	0.51	15.71	0.71	15.47	0.45	16.55	1.08	14.66	1.03
Cadmium (Cd)	0.123	0.003	0.139	-	0.184	-	0.198	0.008	0.179	0.009
Chromium (Cr)	0.453	0.123	0.910	0.370	0.891	0.282	0.870	0.250	0.630	0.191
Copper (Cu)	5.01	0.23	5.84	0.32	6.72	0.44	7.60	0.21	7.35	0.28
Lead (Pb)	0.451	0.026	***0.600***	0.034	0.375	0.024	***0.568***	0.074	0.430	0.033
Mercury (Hg)	0.056	0.003	0.064	0.003	0.074	0.002	***0.093***	0.008	0.080	0.006
Nickel (Ni)	0.80	0.09	1.18	0.26	1.36	0.23	1.49	0.20	1.08	0.17
Selenium (Se)	2.05	0.08	2.31	0.08	2.22	0.05	***2.57***	0.08	2.18	0.02
Silver (Ag)	0.130	-	0.162	-	0.211	0.016	0.173	0.015	0.303	0.023
Zinc (Zn)	84.9	10.2	101.3	10.5	122.7	14.5	99.5	8.9	145.0	6.9

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$)
mg/dry kg – milligrams per kilogram, dry weight
SE – Standard Error

Table 17. Metals Bioaccumulation Results - Clam Tissues

Metal	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
(mg/dry kg)	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	22.2	2.2	22.8	1.2	20.2	1.2	21.6	0.8	20.7	1.0
Cadmium (Cd)	0.273	0.013	0.270	0.011	0.287	0.020	0.277	0.020	0.274	0.028
Chromium (Cr)	1.26	0.11	1.21	0.10	1.47	0.36	1.24	0.35	1.26	0.22
Copper (Cu)	8.08	0.72	***9.63***	0.51	***12.15***	0.93	***12.71***	1.37	7.91	0.78
Lead (Pb)	***1.76***	0.16	***2.00***	0.09	1.11	0.10	1.22	0.07	1.06	0.08
Mercury (Hg)	-	-	0.079	-	0.080	-	0.080	-	0.080	-
Nickel (Ni)	2.44	0.20	2.69	0.08	2.88	0.35	2.36	0.24	2.67	0.23
Selenium (Se)	2.31	0.24	2.27	0.06	2.28	0.15	2.18	0.02	2.23	0.12
Silver (Ag)	0.376	0.026	***0.491***	0.024	***0.501***	0.020	***0.477***	0.021	0.361	0.030
Zinc (Zn)	95.0	9.0	***94.4***	2.2	86.4	4.8	81.2	2.9	86.6	4.0

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$)

SE – Standard Error

were not undertaken due to a lack of detectable DDT compounds in the reference sediment-exposed worm tissues. PCBs were detected in worm tissues exposed to Site 1, Site 2, and Lower Stratum sediments; while marine sediments produced statistically significant results (1,157 and 1,531 μg/dry kg in Sites 1 and 2 compared with 214 μg/dry kg in reference tissues), shoreline sediment-exposed tissues contained either less than the reference levels (191 μg/dry kg in the Lower Stratum) or were not detected (Upper Stratum tissues).

Worm tissue total PAHs concentrations were statistically elevated in all test sediments when compared to the mean reference levels (Table 17). A similar pattern was observed in clams, with the exception that the Lower Stratum sediment-exposed tissues were not statistically elevated. However, the lack of statistical difference between the Lower Stratum and Reference concentration data was likely due to a high level of variance among replicate data. With respect to ranking concentrations of total PAHs, a pattern was observed in bulk sediments, clam tissues, and worm tissues: the highest levels were observed for Site 2, followed by the Lower Stratum, Site 1 and finally Upper Stratum sediments and tissues. PCBs and pesticides were not detected in clam tissues.

4.3 Supplemental Individual Core and Individual Boring Strata Composite Bulk Sediment Chemistry Testing Results

Based on bulk sediment chemistry and toxicity analyses, it was determined that additional data was needed to characterize contaminant levels in individual cores from Site 2 and the Lower Stratum volumes. The goal of the supplemental analyses was to determine if the toxicity observed in the Site 2 and Lower Stratum amphipod tests could be traced to a specific location within the testing units. The working hypothesis was that if the higher resolution analyses were successful at identifying the likely source of the observed toxicity, the offending portion of the site would presumably be disposed of at an upland site while the remainder of the site would be acceptable for ocean disposal. Full bulk sediment chemistry analyses were conducted on archived individual cores and boring strata; results are summarized in Tables 18 and 19 and are further detailed in Appendix E.

Site 2 individual core data were in general agreement with the composite sample data. Cores 2-4 and 2-6 did contain contaminant levels which were slightly, but consistently, elevated relative to the composite sample and data from other individual cores. In particular, it was noted that mercury (0.698 mg/dry kg, a value just below the ERM of 0.71 mg/dry kg), total PCBs (210 μg/dry kg, a value which exceeded the ERM of 180 μg/dry kg) and total PAHs (15,742 μg/dry kg, a value well below the ERM of 44,792 μg/dry kg) were higher in Core 2-4 than in the composite sample (values of 0.449 mg/dry kg [mercury], 54 μg/dry kg [total PCBs], and 2,474 μg/dry kg [total PAHs]). Core 26 contained mercury at a level (0.747 mg/dry kg) which was just above the ERM, and exhibited a similar, but not as dramatic, elevated total PAH concentration (7,885 μg/dry kg). Although the other cores within Site 2 contained lower concentrations of pollutants, the ranking order can generally be described as Cores 2-4 and 2-6 followed by Core 2-1 and Core 2-2, and Cores 2-3 and 2-5 exhibiting the lowest pollutant concentrations.

Table 18. Metals Bioaccumulation Results - Clam Tissues

Metal	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
(mg/dry kg)	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	22.2	2.2	22.8	1.2	20.2	1.2	21.6	0.8	20.7	1.0
Cadmium (Cd)	0.273	0.013	0.270	0.011	0.287	0.020	0.277	0.020	0.274	0.028
Chromium (Cr)	1.26	0.11	1.21	0.10	1.47	0.36	1.24	0.35	1.26	0.22
Copper (Cu)	8.08	0.72	***9.63***	0.51	***12.15***	0.93	***12.71***	1.37	7.91	0.78
Lead (Pb)	***1.76***	0.16	***2.00***	0.09	1.11	0.10	1.22	0.07	1.06	0.08
Mercury (Hg)	-	-	0.079	-	0.080	-	0.080	-	0.080	-
Nickel (Ni)	2.44	0.20	2.69	0.08	2.88	0.35	2.36	0.24	2.67	0.23
Selenium (Se)	2.31	0.24	2.27	0.06	2.28	0.15	2.18	0.02	2.23	0.12
Silver (Ag)	0.376	0.026	***0.491***	0.024	***0.501***	0.020	***0.477***	0.021	0.361	0.030
Zinc (Zn)	95.0	9.0	***94.4***	2.2	86.4	4.8	81.2	2.9	86.6	4.0

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$)
SE – milligrams per kilogram, dry weight
mg/dry kg – milligrams per kilogram, dry weight

Table 19. Metals Bioaccumulation Results - Worm Tissues

Metal (mg/dry kg)	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	14.13	0.51	15.71	0.71	15.47	0.45	16.55	1.08	14.66	1.03
Cadmium (Cd)	0.123	0.003	0.139	-	0.184	-	0.198	0.008	0.179	0.009
Chromium (Cr)	0.453	0.123	0.910	0.370	0.891	0.282	0.870	0.250	0.630	0.191
Copper (Cu)	5.01	0.23	5.84	0.32	6.72	0.44	7.60	0.21	7.35	0.28
Lead (Pb)	0.451	0.026	***0.600***	0.034	0.375	0.024	***0.568***	0.074	0.430	0.033
Mercury (Hg)	0.056	0.003	0.064	0.003	0.074	0.002	***0.093***	0.008	0.080	0.006
Nickel (Ni)	0.80	0.09	1.18	0.26	1.36	0.23	1.49	0.20	1.08	0.17
Selenium (Se)	2.05	0.08	2.31	0.08	2.22	0.05	***2.57***	0.08	2.18	0.02
Silver (Ag)	0.130	-	0.162	-	0.211	0.016	0.173	0.015	0.303	0.023
Zinc (Zn)	84.9	10.2	101.3	10.5	122.7	14.5	99.5	8.9	145.0	6.9

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$).
mg/dry kg – milligrams per kilogram, dry weight
SE – Standard Error

Table 20. Organic Compound Bioaccumulation Results - Clam and Worm Tissues

Analyte Group (µg/dry kg)	Site 1			Site 2			Lower Stratum			Upper Stratum			Reference		
	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n
Clam Tissues															
Pesticides	ND	-	0	ND	-	0	ND	-	0	ND	-	0	ND	-	0
Total PCBs	ND	-	0	ND	-	0	ND	-	0	ND	-	0	ND	-	0
Total PAHs	***18,131***	659	5	***64,941***	2,238	5	24,702	13,139	5	***8,771***	627	5	758	129	5
Worm Tissues															
Total DDTs[1]	816	231	5	900	83	5	ND	-	0	715	124	5	ND	-	0
Total PCBs	***1,157***	111	5	***1,543***	150	5	191	51.9	4	ND	-	0	214	33.8	5
Total PAHs	***3,549***	490	5	***14,432***	1087	5	8,246	2,829	5	***2,473***	245	5	315	15	5

Bold Italic – Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, $p<0.05$).
(Statistical tests were not undertaken for DDTs in worm tissues due to the lack of detectable concentrations in reference worm tissues).

µg/dry kg – micrograms per kilogram, dry weight
n – number of replicates in which an analyte was detected (maximum of 5)
SE – standard error

Table 21. Summary of Site 2 Individual Core Bulk Sediment Chemistry Results

Parameter	ERL	ERM	2-C (Composite)	2-1 (Archive)	2-2 (Archive)	2-3 (Archive)	2-4 (Archive)	2-5 (Archive)	2-6 (Archive)	REF
METALS (mg/dry kg)										
Arsenic	8.2	70	***10.1***	***12.1***	***11.1***	***12.9***	***10.8***	***9.05***	***12.6***	2.27
Cadmium	1.2	9.6	0.445	0.542	0.4	0.449	0.577	0.303	0.718	ND
Chromium	81	370	48.5	59	47.2	45.9	59.7	39.1	69.2	24.9
Copper	34	270	***69.9***	***79.3***	***57.8***	***69.2***	***158***	***53.2***	***104***	11.1
Lead	46.7	218	38	46	36.7	22.3	***48.4***	22.7	***72.2***	5.18
Mercury	0.15	0.71	***0.449***	***0.432***	***0.345***	***0.165***	***0.698***	***0.165***	***0.747***	0.032
Nickel	20.9	51.6	***29.7***	***32.3***	***30.1***	***34.8***	***35***	***26.4***	***33.3***	11.9
Selenium	-	-	ND	1.12	ND	1.17	ND	0.785	1.35	ND
Silver	1	3.7	0.212	0.294	0.191	0.193	0.213	0.144	0.334	ND
Zinc	150	410	***164***	***189***	***163***	***154***	***264***	144	***223***	106
Butyltins	-	-	37	91	32	39	340	66	128	ND
ORGANICS (µg/dry kg)										
Pesticides (4,4'-DDE only)	2.2	27	***11***	***16***	***12***	***7.5***	***22***	***12***	***44***	***6.2***
PCBs (Aroclor 1254 only)	22.7	180	***54***	***81***	***34***	***27***	***210***	***50***	***120***	ND
Total PAHs	4,022	44,792	2,474	3,484	3,395	1,357	***15,742***[‡]	1,627	***7,885***	ND
Total Phenols	-	-	15	ND	ND	ND	ND	ND	ND	ND
Total Phthalates	-	-	153	735	252	300	302	360	358	102

Bold Italic Indicates ERL Exceedance

[‡] Individual PAH data indicated that ERM values for Pyrene (2600 µg/dry kg) and total HPAHs (9600 µg/dry kg) were exceeded in Core 2-4 (2700 µg/dry kg and 14,470 µg/dry kg, respectively)

ERL – Effects Range - Low values (Long et al 1995)
ERM – Effects Range - Median values (Long et al. 1985)
µg/dry kg – micrograms per kilogram, dry weight
mg/dry kg – milligrams per kilogram, dry weight
ND – not detected above the reporting limit
PCB – polychlorinated byphenyl
PAH – polynuclear aromatic hydrocarbon
REF – Reference Site sediments

Table 22. Summary of Lower Stratum Individual Boring Strata Bulk Sediment Chemistry Results

Compound	ERL	ERM	Lower Stratum (L-C) (Composite)	B1-A Lower Stratum (Archive)	B2-A Lower Stratum (Archive)	B1 Native Stratum	B2 Native Stratum	REF
METALS (mg/dry kg)								
Arsenic	8.2	70	7.42	***8.46***	***9.14***	7.46	***8.34***	2.27
Cadmium	1.2	9.6	0.176	0.253	0.196	0.178	0.189	ND
Chromium	81	370	32.2	25.7	35.6	36	44.7	24.9
Copper	34	270	30.9	***36.4***	***37.7***	***34.3***	***37.7***	11.1
Lead	46.7	218	7.64	9.10	9.06	9.09	10.6	5.18
Mercury	0.15	0.71	0.0635	0.0706	0.0659	0.0853	0.0775	0.032
Nickel	20.9	51.6	***22.8***	***22.6***	***27.2***	***25.4***	***30.1***	11.9
Selenium	-	-	1.09	0.836	0.898	ND	0.867	ND
Silver	1	3.7	ND	ND	ND	0.146	0.155	ND
Zinc	150	410	133	106	113	109	***158***	106
Butyltins	-	-	ND	ND	ND	ND	ND	ND
ORGANICS (µg/dry kg)								
Pesticides (4,4'-DDE only)	2.2	27	ND	ND	ND	ND	ND	***6.2***
PCBs	22.7	180	ND	ND	ND	ND	ND	ND
Total PAHs	4,022	44,792	450	130	2,611	ND	966	ND
Total Phenols	-	-	268	ND	1,320	ND	1,230	ND
Total Phthalates	-	-	48	102	144	73	84	75

Bold Italic Indicates ERL exceedance

ERL – Effects Range - Low values (Long et al 1995)
ERM – Effects Range - Median values (Long et al. 1985)
µg/dry kg – micrograms per kilogram, dry weight
mg/dry kg – milligrams per kilogram, dry weight
ND – not detected above the reporting limit
PCB – polychlorinated byphenyl
PAH – polynuclear aromatic hydrocarbon
REF – reference site sediments

The Lower Stratum boring archive samples consisted of the two samples from the individual borings. Generally, results (Table 19) were very similar to the results of the sediments sampled from the Native Stratum: metals were the only analytes to exceed ERL values, and, just as for the Native Stratum concentrations, barely exceeded them for arsenic, copper, and nickel. Average archive results were generally consistent with each other and with both Native Stratum samples for metals and consistent with their respective paired Native Stratum concentrations for organics.

4.4 Data Quality

4.4.1 Station Locations

With the exception of Core 1-1 (see Section 4.1.1), samples were successfully collected at locations as described in the SAP. However, revisions to the project design resulted in slight changes to the dimensions of the Site 1 and Site 2 dredge prisms. While changes in the overall project boundary were minimal, the changes had the effect of reducing the footprint to an area which excluded the sampling location of Core 2-3 (Figure 5). In addition, three other core locations (Cores 1-1, 1-2, and 2-5) were shifted to lie in close proximity to the boundary, and therefore most likely sampled materials at depth which will not necessarily be dredged (due to side slope dimensions). For Site 1, one out of six cores was collected outside the dredge footprint (Core 2-3) and one from the vicinity of the boundary (Core 2-5); For Site 2, Cores 1-1 and 1-2 were collected from the vicinity of the project boundary (Figure 5).

In all cases, composite samples for both Sites 1 and 2 are highly dominated by sediments which are proposed for dredging. Regardless, the actual sampling locations were not greatly distant from areas proposed for dredging and are not likely to differ substantially in terms of sediment quality from those sediments proposed for dredging.

4.4.2 Physical and Chemistry Tests

Data quality objectives were reviewed with respect to the objectives outlined in the SAP and included duplicate analyses, method blank analyses, matrix spike/matrix spike analyses, and surrogate chemistry analyses. For the bulk sediment chemistry reports, quality assurance data was reviewed for the five individual reports with the following conclusions:

- Samples were received at the laboratory at proper temperatures (<4°C). Limited issues with chain-of-custody data (e.g., sampling dates) were addressed immediately. Holding times for all sediment analyses were met.
- The duplicate analyses for the Site 2 composite indicated that the magnitude of variance between the two data sets was within acceptable ranges, and the data deemed valid.
- Method blank recoveries were all below the method detection limit (MDL) with the exception of a limited number of metals (copper in composite test sediment analyses just above the reporting limit). In this limited case, concentrations measured in samples far exceeded the blank result, and the analytical results are not believed to be biased.
- Matrix spike, matrix spike duplicate, and relative percent difference data were reviewed for compliance with SAP objectives. Several control limits were exceeded for a variety of

compounds. However, in all cases the laboratory control sample analysis results were in control, and exceedances were therefore attributable to matrix interference effects.

- Surrogate chemical analyses were also reviewed. The single instance of a control exceedance (for the EPA 8270 analyses) was attributable to the same or similar matrix interference referenced above.

Quality assurance program data are discussed further in individual chemistry reports (Appendix E). In addition, the MDLs for individual analytes were reviewed in the context of target objectives outlined in the SAP. A summary of the reporting limits achieved during the analysis phase of this effort is included in Table 20. In the limited number of cases where the target detection limits were not achieved, test results exceeded the detection limits, and discrepancies were therefore not an issue. In cases where individual analytes were not detected (e.g., selenium and phthalates in bulk sediments), there is the potential for these analytes to be present, but not at a concentration which would yield a reported result. However, this was true in a very small proportion of the data, and the magnitude of these potential discrepancies is below a level which would be cause for concern with regard to a risk to the environment at an ocean disposal site. In summary, and in consideration of the data quality as a whole, the data presented herein are considered valid.

4.4.3 Bioassay Tests

Biological testing results were also reviewed with the respect to data quality objectives outlined in the SAP. The quality assurance data presented in the Nautilus report (Appendix A) summarizes their findings and is considered to provide an adequate level of review with no indications that would bring into question the results presented in this report. Data presented herein are considered valid.

4.4.4 Bioaccumulation Tissue Chemistry Analyses

Data quality assurance program data was reviewed with respect to meeting data quality objectives outlined in the SAP. A review of the MDLs indicated minor target objective exceedances for nickel and toxaphene. Nickel was present in tissues at concentrations well above the detection limit and was therefore assessed for bioaccumulation potential. Toxaphene was not observed in either tissues or bulk sediments, and is not believed to be of concern with regard to bioaccumulative potential. Zinc, several pesticide compounds, a PCB congener, and several PAHs data failed to meet data quality objectives with regard to matrix spike sample recovery or relative percent difference criteria. However, respective laboratory control samples, surrogate analyses, and/or additional quality assurance data were presented which indicate that matrix interference is the likely explanation responsible for individual data quality issues. The data are therefore considered valid.

Table 23. Mean Detection Limits Achieved for Sediments and Tissues

Analyte	Analysis Method	Sediment Target Detection Limits[a, b]	*Mean* Sediment Detection Limits[a]	Tissue Target Detection Limits[a, b]	*Mean* Tissue Detection Limits[b]
Total Solids (%)	SM2540B/160.3	0.1	0.1	0.1	0.1
Total lipids (%)	Gravimetric	NA		0.05	
Total organic carbon (%)	9060A	0.1	0.016	NA	N/A
Total ammonia (mg/kg)	SM4500-NH3 B/E[c]	0.2	0.15	NA	N/A
Total & Soluble Sulfides (mg/kg)	376.2M[c]	0.1	0.21/0.08	NA	N/A
Arsenic (mg/kg)	6020[d]	0.1	0.15	0.05	0.025
Cadmium (mg/kg)	6020[d]	0.1	0.03	0.05	0.025
Chromium (mg/kg)	6020[d]	0.1	0.13	0.05	0.025
Copper (mg/kg)	6020[d]	0.1	0.07	0.05	0.025
Lead (mg/kg)	6020[d]	0.1	0.06	0.05	0.025
Mercury (mg/kg)	7471A[d]	0.02	0.019	0.02	0.01
Nickel (mg/kg)	6020[d]	0.1	0.07	0.05	0.025
Selenium (mg/kg)	6020[d]	0.1	0.44	0.05	0.025
Silver (mg/kg)	6020[d]	0.1	0.02	0.05	0.025
Zinc (mg/kg)	6020[d]	1.0	0.76	0.05	0.025
Organotins (µg/kg)	Krone *et al.*[h]	3.0	3.0	NA	N/A
TRPH (mg/kg)	418.1M [d]	5.0	5.8	NA	N/A
PAHs[e] (µg/kg)	8270C[d.e]	20	2.8	5	1
Chlorinated Pesticides[f] (µg/kg)	8081A[d,f]	0.5 – 30	0.2 - 12.1	5	1-10
PCBs[g] (µg/kg)	8082[d,g]	20	2.9	20	1
Phenols (µg/kg)	8270C [d]	20 – 100	1.9 - 100.6	NA	N/A
Phthalates (µg/kg)	8270C [d]	10	2.5 - 77.6	NA	N/A

[a] Sediment detection limits parameters are presented on a dry-weight basis; tissue levels are on a wet-weight basis
[b] Reporting limits provided by Calscience Environmental Laboratories, Inc. and CRG Marine Laboratories Inc.
[c] Standard Methods for the Examination of Water and Wastewater, 19th Edition APHA *et al.* 1995
[d] EPA 1986-1996. SW -846. Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 3rd Edition
[e] Includes naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene), fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b,k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, dibenzo(a,h)anthracene, benzo(g,h,i)perylene
[f] Includes aldrin, α-BHC, β-BHC, γ-BHC (lindane), δ-BHC, chlordane, 2,4- and 4,4-DDD, 2,4- and 4,4-DDE, 2,4- and 4,4-DDT, dieldrin, endosulfan I and II, endosulfan sulfate, endrin, endrin aldehyde, heptachlor, heptachlor epoxide, and toxaphene
[g] Includes Aroclors 1016, 1221, 1232, 1242, 1248, 1254, 1260, and 1262
[h] Krone *et al.* 1989, or similar (e.g. Rice, C.D. *et al.* 1987)

PAH – polycyclic aromatic hydrocarbon
PCB — polychlorinated biphenyl
TRPH – total recoverable petroleum hydrocarbons
mg/kg – milligrams per kilogram (parts per million)
µg/kg – micrograms per kilogram (parts per billion)

5.0 DISCUSSION

With regard to suitability of the proposed dredge sediments characterized in this report, the following general conclusions can be made:

- Composite bulk sediment chemistry data presented herein indicated that sediments generally contained low levels of contaminants in comparison to ERL and ERM values (Tables 9 through 11, and Tables 18 and 19);
- Solid phase biological testing indicates that Site 2 and Lower Stratum composite sediment samples did not meet Green Book LPC criteria due to amphipod toxicity (Table 12);
- Suspended particulate phase testing results indicated that Site 2 and Lower Stratum sediments elicited a toxic response in *Menidia* and bivalve larvae development tests (Tables 13 and 14). The Upper Stratum sediments also elicited evidence of minor toxicity to bivalve larvae development. However, when the worst-case effect was modeled using the STFATE module of the ADDAMS modeling program (Schroeder and Palermo 1990), LPC criteria for water column effects were met.
- Bioaccumulation data indicated that metals were not bioaccumulated into test tissues at levels appreciably above those present in reference sediment-exposed tissues. Organic compounds, particularly PAH compounds, were found to be bioavailable and are discussed further below.

Several additional factors are relevant with respect to these generalizations and are discussed further in this section. First, historical sediment characterization data is available for comparison, and was analyzed to determine if the results observed in this study were comparable with past characterization results. Second, bioaccumulation data was assessed using additional metrics referenced in the Green Book to further elucidate potential risk. Third, the spatial distribution of PAHs was assessed to determine if portions of individual sites were responsible for the observed effects.

5.1 Comparison with Historical Testing Data

Data for Sites 1 and 2 were compared to historical data available from characterization efforts conducted in 1996 (which are only roughly comparable due to different sampling locations) (Ogden 1996b) and 2003 (which are directly comparable due to identical target sample locations) (AMEC 2003). Shoreline sites (Upper, Lower, and Native Strata) were compared to 1996 data, the last time materials from landward of the PHL were characterized.

Metals data from both 1996 and 2003 were largely consistent: the vast majority of data were within a factor of two of the data obtained during this characterization effort. Exceptions to this were very limited:

- Copper was 2.9 times higher in Upper Stratum sediments than in 1996;
- Zinc in the Upper Stratum was considerably lower in 2007 compared with 1996 (only 0.36 percent of the 1996 value); and
- Zinc in Site 1 was 2.3 times higher than the concentration observed in 2003.

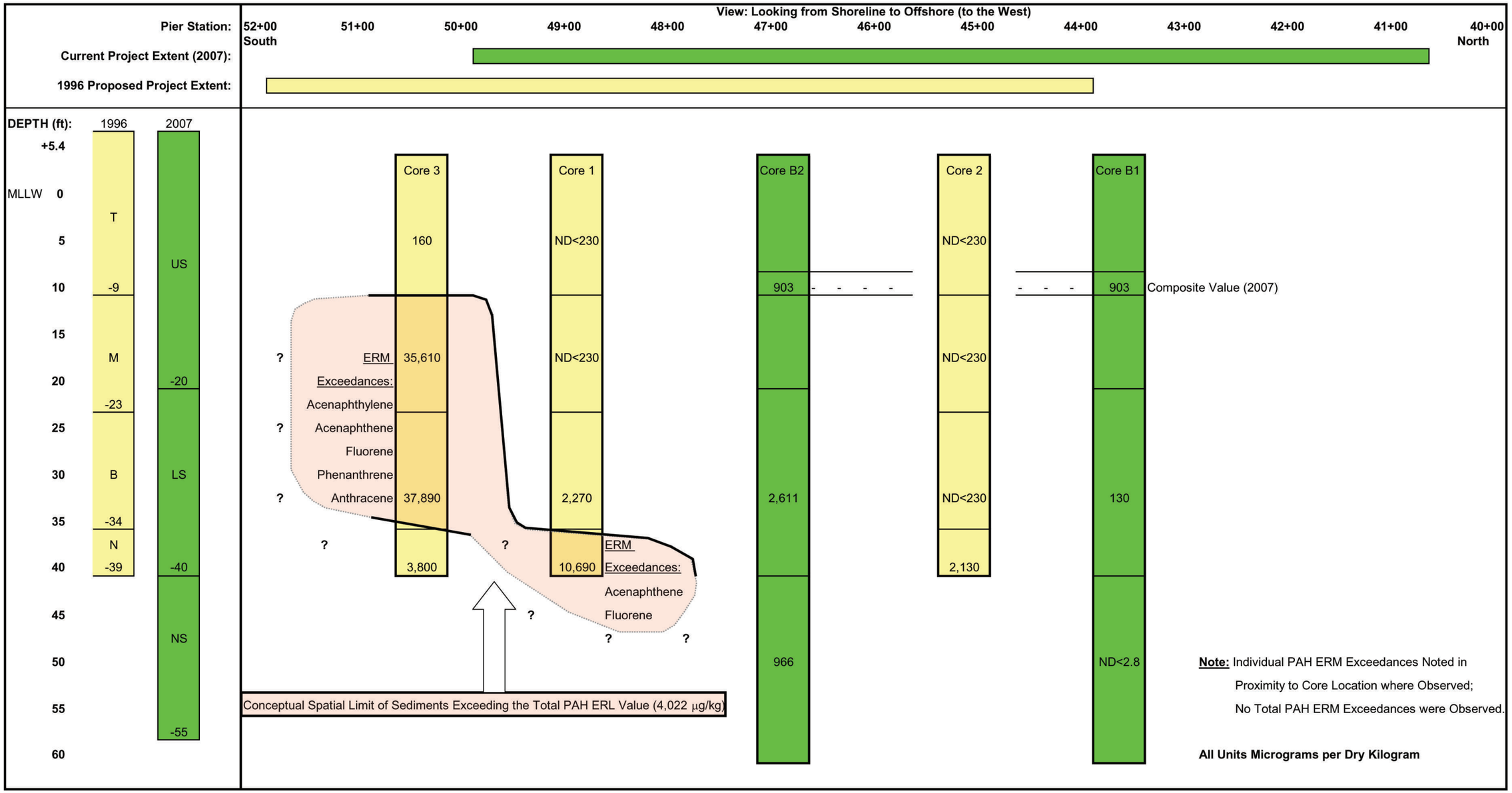
However, in general the metals results indicate a high degree of consistency between the current data and the available historical data. This generalization was also found to apply to 2003 bioaccumulation test results: 2003 data indicated that metal bioaccumulation data indicated a lack of potential for ecological effects.

Organic compound concentrations were also similar to historical data, with the exceptions of PCB and PAH data. PCBs were observed in 2007 composite samples (24 and 54 μg/dry kg respectively in Sites 1 and 2) in contrast to 2003 data (not detected above the analytical reporting limits), but also at a concentration less than that observed in 1996 (83 μg/dry kg). The offshore composite sampled in 1996 exhibited a considerably higher PAH concentration (15,590 μg/dry kg) than was observed in either of the 2007 Site 1 or Site 2 composite samples (both less than 2,500 μg/dry kg). Total PAHs were observed to be lower in both the Site 1 and Site 2 composite samples in 2003 (488 and 1,100 μg/dry kg respectively) compared to the current data (1,383 and 2,474 μg/dry kg respectively).

The distribution of total PAH compounds in shoreline sediments were reviewed and were found to be heterogeneous (Figure 6). Exceedances of several individual PAH ERM values were observed in shoreline sediments in 1996, but not in the current study. It appears that sediments with the greatest exceedances lie to the south of and outside of, the proposed project.

In 2007, toxicity was observed in the lower portions of the shoreline sediments and in a sediment composite sampled from offshore of the PHL. Patterns of toxicity were similar but not identical when comparing 2003 and 2007 data: Site 2 sediment exposure elicited a nearly universal toxic response in the 100 percent elutriate treatment of the bivalve larval development test in 2003, but not in other SPP tests (Table 4, in agreement with the current data). Solid phase toxicity, however, was not observed in 2003. Sediments collected in 1996 elicited very similar toxic responses in comparison with 2007 results: solid phase toxicity was observed in middle and lower sediments from the shoreline, and in offshore sediments. Suspended particulate phase toxicity was observed in middle and lower shoreline sediments, but not in offshore sediments.

PAH bioaccumulation from the two studies is presented in Table 21, and indicates a much more pronounced bioaccumulation effect than was observed in 2003. As discussed above, total PAH concentrations were lower in sediments in 2003, but the difference in sediment concentrations (2003 values approximately one-third to one-half of 2007 values) does not fully explain the differences in magnitude of bioaccumulation observed in both clam and worm tissues (2003 values one-eighth to one-seventeenth of 2007 values, Table 21).



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Vertical Distribution of Total PAHs along Berths 145 through 147
Current and Historical Data
Port of Los Angeles

FIGURE
6

GRAPHICS/Aquatic Sciences/POLA Berths 145_147/TotalPAH_lg.fh8

Table 24. Mean Total PAH Concentrations in Tissues from 2003 and 2007 Greenbook Testing (all units: μg/dry kg)

Site	Site 1		Site 2	
Year	2003	2007	2003	2007
Clam Tissues	1,854	18,131	3,690	64,941
Worm Tissues	301	3,549	1,717	14,432

Overall data comparisons indicated broad agreement between the current characterization and the historical data. Three exceptions were apparent: (1) offshore sediments were not observed to be as toxic in 1996 and 2003;(2) PCBs were absent from offshore sites in 2003, but present in the berthside composite sampled in 1996; and (3) bulk sediment PAH concentrations tended to be higher than historical data and exhibited a higher propensity for bioaccumulation in 2007 than in 2003.

5.2 Organic Compound Bioaccumulation

In addition to statistical analysis, the Green Book recommends several other methods be used to compare results. Metals bioaccumulation data indicated that even though individual test results were statistically significant, there was little pattern with which specific metals were apparently bioavailable (only lead was significantly higher in both clam and worm tissues [Table 15 and 16]). Furthermore, the magnitude of differences between statistically elevated tissue concentrations and respective reference sediment-exposed tissue concentrations was minimal (<2 in all cases), and therefore ecological risk of disposal at LA-2 can be characterized as negligible.

With respect to bioaccumulation potential for DDTs and PCBs, results presented in Table 17 were compared to current U.S. Food and Drug Administration (FDA) Action Levels for Poisonous or Deleterious Substances in Seafood (FDA 2005). For DDTs, the value for fish is 5 ppm, far above the maximum values reported in this study (Site 2, at 0.17 ppm wet weight. The FDA Action Level for PCBs for fish is 2 ppm. The highest average PCB concentration was also for Site 2 (0.289 mg/wet kg, Table 17), and also well below the Action Level.

Action limits for PAH compounds have not been established for fish and shellfish. In order to further evaluate PAH bioaccumulation, a comparison between sediment concentrations and tissue concentrations was made for both clam and worm tissues (Table 22).

These results indicate that although the raw tissue concentration data for total PAHs was greatest for Site 2 sediments, Upper Stratum total PAHs were more bioaccumulative as indicated by the ratio of tissue-to-sediment concentrations. This condition may be associated with the precise mix of PAH compounds (Appendix E), other sediment qualities such as low total organic carbon content (analytical results indicate less than 1 percent in shoreline sediment composites), or a combination of factors.

Table 25. Total PAHs Bioaccumulation Factors Observed in Clam and Worm Tissues

Site	Bulk Sediment Concentration (μg/dry kg)	Mean Clam Tissue Concentration (μg/dry kg)	Clam Bioaccumulation Factor (ratio)	Mean Worm Tissue Concentration (μg/dry kg)	Worm Bioaccumulation Factor (ratio)
Site 1	1,383	18,131	13.1	3,549	2.6
Site 2	2,474	64,941	26.2	14,432	5.8
Upper Stratum	903	24,702	27.4	8,246	9.1
Lower Stratum	450	8,771	19.5	2,473	5.5
Reference	<14‡	758	>54	315	>22

‡ Reporting limit.

μg/dry kg – micrograms per kilogram, dry weight

Also noteworthy was the detection of total PAHs in both clam and worm tissues exposed to reference sediments. This was unexpected since the bulk sediment chemistry data did not indicate the presence of any individual PAH compounds. Comparisons between the tissue results and the analytical detection limit indicate that the bioaccumulation factors for total PAHs were at least 54 for clams and at least 22 for worms. It therefore appears that bioaccumulation rates for the test sediments are less than those of PAH compounds in the reference sediment. For Site 1, Upper Stratum, and Lower Stratum sediments, the bioaccumulation phase results are not believed to present unacceptable risks at the ocean disposal site due to either low bioaccumulation factors, low sediment concentrations, or both. For Site 2 sediments, the characterization data set is more complex due evidence of PAHs which are bioavailable and possibly toxic. With this in mind, the spatial distribution of contaminants, particularly that of the PAH compounds, was investigated further.

5.3 Distribution of Contaminants within Site 2 and Lower Stratum Sediments

Analysis of individual core strata from Site 2 indicated that copper, mercury, zinc, total DDTs, total PCBs, and total PAHs concentrations were not uniform in their distribution across the site and were dramatically higher in Cores 2-4 and 2-6 (Table 18). These cores were both sampled from within a shoal at the southwest end of the site, and were the cores samples located closest to the wharf. In addition, the sediments sampled were among the few cores to have sediments which were visually described as being dominated by “black” sediments at the surface (as opposed to gray, Appendices B and C). Core 2-4 also contained a section which was noted in the field log as generating a hydrocarbon odor. Presumably it is this material, present from about 1 to 2.5 ft below the harbor bottom, which contributed most to the high organic contaminant concentrations. The darker sediments were noted to be limited to the top 6.5 ft of the Core 2-6 (Appendices B and C). Core 2-1 (also in the vicinity of the shoal) was notably similar in lithology to Core 2-6 (an unsurprising result, given their proximity [Figure 5]), but contained less dramatic pollutant concentrations. In fact, chemistry

results from Core 2-1 were more similar to Core 2-2 than Core 2-6 (Table 18), suggesting that distance from shoreline is an important factor with respect to contaminant levels.

The individual core strata for the Lower Stratum (archive results) and the Native Stratum of the shoreline samples were also tested and exhibited a similar pattern - sediments from the southern portion of the proposed dredge prism exhibited higher total PAH concentrations (B2 Lower Stratum and B2 Native Stratum) than their respective individual core strata data on the northeast side of the prism (Table 19). For example, the Lower Stratum total PAH concentrations were 20 times higher in Core B2 (2,611 μg/dry kg) than in Core B1 (130 μg/dry kg). For the Native Stratum, total PAH compounds were not detected in Core B1, while they were found at a concentration of 966 μg/dry kg in Core B2 (Table 19), a value more than 340 times the average detection limits for individual PAHs in Core B1 (2.8 μg/dry kg, Table 20).

In summary, the distribution of PAH compounds (and other contaminants) was observed to be heterogeneous within individual sites at Berth 147. It furthermore appears that differential toxicity and bioaccumulation effects presented in this report can be traced to specific sub-areas of sites, and that corresponding sediments should be segregated with respect to final disposal site suitability determinations.

5.4 Conclusions

Sediments from Berths 145 through 147 were tested for ocean disposal using Green Book guidance. The following bullets summarize conclusions for each of the five test sites.

- **Site 1 (Marine):** Sediments characterized from Site 1 contained very few contaminants at concentrations just above their respective ERL values (copper, mercury, total DDTs, and total PCBs; Tables 10 and 11). Materials proposed for dredging meet the Green Book toxicity LPC criteria for ocean disposal (Tables 12 through 14). Bioaccumulation tissue data indicated that metals did not bioaccumulate at ecologically significant levels. Lead was the only metal with a significantly higher tissue concentration (for clam tissue), and was less than twice the reference tissue concentration (Table 15). The organic compounds present at low concentrations in Site 1 sediments did appear to be bioavailable: total DDT concentrations in tissues (worm tissues only) were well below the FDA action limit established for fish tissue and total PCB concentrations (worm tissues only) exceeded FDA action limits for PCBs in meat. While PAH concentrations were elevated in tissues, the rate of bioaccumulation was below that implied by reference bulk sediment and tissue data (for both clam and worm exposures). DDTs, PAHs, and PCBs were present in sediments at low absolute values: total DDTs were observed at 5.4 μg/dry kg (just above the ERL value of 1.58 μg/dry kg), the PCB concentration in sediments (24 μg/dry kg) was only slightly above the ERL value (22.7 μg/dry kg), and no ERL exceedances were observed for individual, molecular weight-grouped, or total PAH data. In summary, the bulk sediment data indicate low concentrations of contaminants, that sediments are non-toxic, and potential bioaccumulation impacts are either lacking in the test data or may be considered negligible based on the low bulk sediment data. Therefore, these sediments may be suitable for ocean disposal.

- **Site 2 (Marine):** Bulk sediment data for the Site 2 composite and individual core data (Table 18) indicate that both metal and organic contaminants are present throughout the site at low levels, and that Core 2-4 and 2-6 sediments in particular contained higher levels of many of the contaminants which exceeded ERL criteria across the site. Solid phase toxicity was observed for the amphipods, but worm survival was comparable with the reference (Table 12). For the suspended particulate phase testing, although no toxicity was observed in the mysid test, minor effects were observed in the *Menidia* test and statistically significant toxicity was observed in the bivalve larvae development test. However, when the data were modeled using the ADDAMS STFATE model (Schroeder and Palermo 1990), the LPC criteria were met for the suspended particulate phase. Bioaccumulation testing revealed that while several metals were bioaccumulated at statistically elevated levels, none of the absolute values were more than twice those of the reference tissue concentrations. Site 2 organic compound bioaccumulation results indicated a similar pattern to that of Site 1, though the concentration magnitudes of total DDTs (in worms only), total PCBs (in worms only), and total PAHs (in both tissues) were higher. While DDT tissue concentrations remained lower than the FDA Action Limits, PCB concentrations exceeded the FDA Action Limit. The discrepancy between Site 1 and Site 2 chemistry results, and the toxic effects observed for Site 2 exposures, is likely due to constituents in Cores 2-4 and 2-6, which were both sampled from a shoal feature along the shoreline along the offshore area of Berth 147. When considered with the individual core bulk sediment chemistry and data from the Lower Stratum (see summary below), the Site 2 data indicate that the majority of sediments may be suitable for ocean disposal, with the exception of the shoal materials above -45 ft MLLW (the maximum depth of unconsolidated sediments plus 2 ft [Core 2-4, see Appendix B]).
- **Upper Stratum (Shoreline):** Bulk sediment chemistry associated with material from the upper portion of the shoreline sediments (materials between +5.6 ft MLLW and -20 ft MLLW) was lacking in ecologically relevant contamination with the sole exception of total DDTs, which exceeded the ERL value. It was therefore not surprising that neither solid phase nor suspended particulate toxicity was lacking. Bioaccumulation data, however, indicated that two metals accumulated in statistically higher levels in clam tissues, though not at more than twice the reference concentrations and therefore not at ecologically significant levels. While PAHs were not statistically elevated in clam tissues when compared to the reference (likely a statistical artifact due to a large amount of data variance), worm tissue data indicated that PAHs were bioavailable. Similar to the case of Site 1, the low bulk sediment PAH concentrations suggest that the potential impact of PAHs at the LA-2 ocean disposal site would be limited, and, in combination with other bulk sediment and toxicity data, would not likely be a basis for excluding this material from ocean disposal.
- **Lower Stratum (Shoreline):** The shoreline materials between -20 ft MLLW and -40 ft MLLW were, similar to the upper stratum, relatively free of contamination at levels exceeding ERL values (the only exception being nickel, Table 11). However, a more detailed analysis (Table 19) indicated that the contamination was partitioned differentially between the two core strata that made up the composite sample, with contaminants being present in higher concentrations in Core B2. Statistically significant toxicity (greater than 20 percent different from the reference) was observed in the amphipod test,

but not the worm test. For the suspended particulate phase testing, although no toxicity was observed in the mysid test, minor effects were observed in the *Menidia* test, and significant toxicity was observed in the bivalve larvae development test. However, the results of the ADDAMS STFATE model (Schroeder and Palermo 1990) indicated that the LPC criteria were met. Bioaccumulation testing indicated that while several metals were bioaccumulated at statistically elevated levels (in both clam and worm tissues), none of the absolute values were more than twice those of the reference tissue concentrations. Lower Stratum tissues accumulated PAHs at levels well above the reference tissue levels. However, the contaminant partitioning in individual core strata demonstrates that solid phase toxicity and potential bioaccumulation at the ocean disposal site is largely attributable to chemical constituents in the southernmost half of the testing unit; this hypothesis was supported by the distribution of PAHs in sediments observed in 1996, which indicated higher concentrations to the south of the proposed project. The northern half of Lower Stratum material may therefore be suitable for ocean disposal.

- **Native Stratum (Shoreline):** Data for the native stratum is limited to bulk sediment chemistry only. However, patterns observed in the Native Stratum sediments are very similar to those observed in the Lower Stratum sediments, and it is possible that these sediments would exhibit similar toxicological and/or bioaccumulative potential characteristics. Based on the data and the similarity between the Lower Stratum and Native Stratum bulk sediment chemistry data, it is likely that materials from the northern half of the Native Stratum sediments are suitable for ocean disposal.

In summary, the potentially ecologically significant responses observed in this effort include: (1) the solid phase amphipod test results for Site 2 and the Lower Stratum; (2) the toxic responses observed in the suspended particulate phase tests (but which do not violate LPC criteria); and (3) the elevated potential for organic compound bioaccumulation observed in Site 2 and Lower Stratum sediments. These effects are likely due to specific sediments exhibiting elevated bulk sediment chemistry, as shown in this study and supported by the 1996 and 2003 characterization data. Sediments from Site 1, the Upper Stratum of the shoreline, and materials from the northern half of the shoreline below -20 ft MLLW are therefore likely to be suitable for ocean disposal. Projected volumes proposed for ocean and upland disposal are included in Table 23.

Table 26. Sediment Volumes Proposed for Ocean and Upland Disposal

Site	Ocean Disposal (cy)	Upland Disposal (cy)
Site 1	18,500	-
Site 2	25,500	11,100
Upper Stratum	88,700	
Lower Stratum	28,600	37,200
Native Stratum	24,000	26,900
Total	**185,300**	**75,200**

cy - cubic yards

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Appendix A
Toxicological and Bioaccumulation Exposure Testing Report
(Nautilus Environmental LLC)

Nautilus Environmental, LLC

Sediment Characterization Study for The Port of Los Angeles Berths 145-147

Toxicological and Bioaccumulation Exposure Testing

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Submitted: **January 29, 2008**

Data Quality Assurance:

- Nautilus Environmental is a state-certified laboratory under the California Department of Health Services - Environmental Laboratory Accreditation Program (ELAP), Certificate No. 1802.
- All test results included in this report have met internal Quality Assurance requirements.
- All data have been reviewed and verified.
- Any test data discrepancies or protocol deviations have been noted in the QA/QC summary report pages.

Results verified by: **Date:** January 29, 2008

Chris Stransky, Principal/ Environmental Scientist

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1.0 INTRODUCTION

Seven sediment samples identified as Sites 1C, 2C, Ref, Core 1 Upper, Core 1 Lower, Core 2 Upper, and Core 2 Lower were collected from the Berth 145-147 project site at the Port of Los Angeles in October and November of 2007. The sediments were evaluated to determine suitability for open ocean disposal or other disposal options in accordance with US EPA and Army Corps of Engineers (USACE) guidance developed for the Evaluation of Dredged Material Proposed for Ocean Disposal - Testing Manual (USACE/US EPA 1991). Toxicity testing of sediments was conducted by Nautilus Environmental (Nautilus), as described in the project-specific sampling and analysis plan (AMEC, 2007). Testing consisted of three phases: 1) solid phase testing using an amphipod and polychaete worm, 2) suspended particulate testing using a fish, mysid, and bivalve larvae, and 3) an evaluation of bioaccumulation potential using a clam and polychaete worm. Toxicity was assessed on five samples identified as 1C, 2C, Ref, UC and LC. Site UC was comprised of a composite of Core 1 Upper and Core 2 Upper samples, while Site LC consisted of a composite of Core 1 Lower and Core 2 Lower samples. The reference sample (Site Ref) was collected from the LA-2 Ocean Disposal Reference Site.

2.0 Materials and Methods

2.1 Sample Receipt and Preparation

Sediment samples were collected between October 28 and November 2, 2007 and hand delivered to Nautilus by AMEC personnel on the evenings of October 30 and November 2, 2007. Composite samples from Sites 1C, 2C, and Ref were prepared in the field by AMEC personnel prior to submittal to Nautilus. Sites UC and LC were composited on November 5, 2007 at Nautilus. All samples were held at 4°C prior to testing. Suspended particulate-phase elutriates were prepared by mixing one part composited sediment with four parts laboratory seawater adjusted with deionized water to a salinity of 30 parts per thousand (ppt). Elutriates were prepared in a plastic-lined, 5-liter (L) bucket using a stainless steel mixing blade. The elutriate preparation was mixed for 30 minutes. Following a 1-hour settling period, any clear overlying supernatant was siphoned into a clean, 10-L high-density polyethylene (HDPE) plastic container. If an insufficient volume of supernatant required to initiate the elutriate tests was collected after the 1-hour settling period, the elutriate was allowed to settle overnight in a cold

room at 4°C. Additional clear overlying supernatant was then collected and combined with that collected after the initial 1-hour settling period.

For the solid-phase amphipod and polychaete tests, a 2-L subsample of sediment was sieved through a 500-micrometer (µm) Nitex mesh screen to remove native organisms and large debris capable of interfering with the survival and recovery of test organisms. Interstitial porewater was collected for the analysis of pH, salinity, and total ammonia by centrifuging a subsample of whole sediment for 20 minutes at 3,000 revolutions per minute (rpm) and carefully siphoning the overlying porewater. Overlying water used in test replicates consisted of natural seawater collected offshore of Scripps Institution of Oceanography (SIO) Pier in La Jolla, CA, filtered to 20-µm and diluted to 30 ppt with deionized water.

For the bioaccumulation-phase tests, unmanipulated sediment was placed into 5 (control) or 10-gallon (site sediment) glass aquaria to achieve a sediment depth of approximately 2 inches. The aquaria were then filled and maintained on a flow-through system circulating 20-µm filtered 34 ppt natural seawater collected offshore of SIO Pier in La Jolla, CA.

2.2 Toxicity Test Methodology

Toxicity test method parameters and acceptability criteria are summarized in Tables 1 through 6. Additional detail is available in the referenced test protocols and can also be provided in the form of standard operating procedures from Nautilus upon request.

2.3 Statistical Analyses

Statistical significance of the solid-phase amphipod data was determined by comparing organism responses in the site sediments to that in the reference sediment. Analyses were performed using one-way Analysis of Variance (ANOVA) and followed by pair-wise one-tailed *t*-tests. Prior to the analysis, differences in variance were evaluated using either Bartlett's Test (ANOVA) or an F-test (t-tests). Normality of the entire dataset for ANOVA was evaluated using the D'Agostino & Pearson omnibus test. Analyses were performed using GraphPad Prism statistical software, Version 4.02.

Statistical analysis of all suspended particulate-phase and reference toxicant data was performed using CETIS Comprehensive Toxicity Data Analysis and Database Software Version 1.6.3revE. Comparisons between the control and each test concentration were

performed using either Dunnett's Multiple Comparison Test or Steel Many-One Rank Test. When a dose response was observed, a median effect concentration value (LC_{50}) was determined for survival endpoints using Maximum Likelihood-Probit or Linear Interpolation analytical methods. The choice of statistical methods was dependent on assumptions met by the data after transformation as specified in US EPA guidance (US EPA 2002).

All data expressed as a percentage were arcsine square-root transformed prior to analysis to normalize the distribution and satisfy statistical assumptions.

Table 1. Summary of Toxicity Test Methodology and QA/QC Requirements for Marine Amphipod Solid-Phase Sediment Toxicity Tests

Test organism	*Eohaustorius estuarius*
Test organism source	Northwest Aquatic Laboratory
Test organism age at initiation	NA - Field collected
Test duration	10 days
Overlying water renewal	None
Feeding	None
Test chamber	1 L glass jar
Sediment depth volume	2 cm / 125 ml
Overlying water volume	900 ml
Test temperature	15 ± 1°C (test-wide mean); 15 ± 3°C (instantaneous)
Dilution water	Seawater collected offshore SIO Pier in La Jolla, CA, 20 µm-filtered and diluted to 30 ppt with deionized water prior to testing.
Test concentrations	Undiluted sediment
Number of organisms/chamber	20
Number of replicates	5
Photoperiod	Continuous light
Aeration	Continuous (3-4 bubbles per second)
Test Protocol	US EPA 503/8-91/001, ASTM E1367-99, US EPA 1994
Test acceptability criteria	≥ 90% mean survival in controls
Reference toxicant	Cadmium chloride

Table 2. Summary of Toxicity Test Methodology and QA/QC Requirements for Marine Polychaete Solid-Phase Sediment Toxicity Tests

Test organism	*Neanthes arenaceodentata*
Test organism source	Dr. Donald Reish, CSU Long Beach
Test organism age at initiation	2-3 weeks post emergence
Test duration	10 days
Overlying water renewal	None
Feeding	1 ml of a 0.01 gram/ml ground Tetramin slurry at test initiation
Test chamber	1 L glass jar
Sediment depth volume	2 cm / 125 ml
Overlying water volume	900 ml
Test temperature	20 ± 1°C (test-wide mean); 20 ± 3°C (instantaneous)
Dilution water	Seawater collected offshore SIO Pier in La Jolla, CA, 20 µm-filtered and diluted to 30 ppt with deionized water prior to testing.
Test concentrations	Undiluted sediment
Number of organisms/chamber	5
Number of replicates	5
Photoperiod	Continuous light
Aeration	Continuous (3-4 bubbles per second)
Test Protocol	ASTM 2000 E1611-00
Test acceptability criteria	≥ 90% mean survival in controls
Reference toxicant	Cadmium chloride

Table 3. Summary of Toxicity Test Methodology and QA/QC Requirements for Bivalve Embryo Sediment Suspended Particulate-Phase Toxicity Tests

Test organism	*Mytilus galloprovincialis*
Test organism source	Mission Bay
Test duration	48 hours
Test solution renewal	None
Feeding	None
Test chamber	30 ml glass scintillation vial
Test solution volume	10 ml
Test temperature	15 ± 1°C (test-wide mean); ± 2°C (maximum minus minimum)
Dilution water	Seawater collected offshore SIO Pier in La Jolla, CA, 20 µm-filtered and diluted to 30 ppt with deionized water prior to testing.
Test concentrations (% sample)	100, 50, 10, 0 (control)
Target # of organisms/chamber	200-300
Number of replicates	5
Photoperiod	16 hours light/8 hours dark
Aeration	None
Test Protocol	US EPA 503/8-91/001, ASTM E 724-98
Test acceptability criteria	≥ 70% of control embryos introduced resulting in live larvae with normal development.
Reference toxicant	Copper chloride

Table 4. Summary of Toxicity Test Methodology and QA/QC Requirements for Mysid Shrimp Suspended Particulate-Phase Toxicity Tests

Test organism	*Americamysis bahia*
Test organism source	Aquatic Biosystems
Test organism age at initiation	5 days post-hatch
Test duration	96-hours
Test solution renewal	None
Feeding	*Artemia* nauplii twice daily
Test chamber	1L glass jar
Test solution volume	500 ml
Test temperature	25 ± 1°C (test-wide mean); ± 3°C (maximum minus minimum)
Dilution water	Seawater collected offshore SIO Pier in La Jolla, CA, 20 µm-filtered and diluted to 30 ppt with deionized water prior to testing.
Test concentrations (% sample)	100, 50, 10, 0 (control)
Number of organisms/chamber	10
Number of replicates	4
Photoperiod	16 hours light/8 hours dark
Aeration	None, unless DO levels fall below 4.0 mg/L.
Test Protocol	US EPA 503/8-91/001, US EPA-821-R-02-012
Test acceptability criteria	≥ 90% mean survival in controls
Reference toxicant	Copper chloride

Table 5. Summary of Toxicity Test Methodology and QA/QC Requirements for Inland Silverside Suspended Particulate-Phase Toxicity Tests

Test organism	*Menidia beryllina*
Test organism source	Aquatic Biosystems
Test organism age at initiation	13 days post-hatch
Test duration	96-hours
Test solution renewal	None
Feeding	*Artemia* nauplii twice daily
Test chamber	1L glass jar
Test solution volume	500 ml
Test temperature	25 ± 1°C (test-wide mean); ± 3°C (maximum minus minimum)
Dilution water	Seawater collected offshore SIO Pier in La Jolla, CA, 20 µm-filtered and diluted to 30 ppt with deionized water prior to testing.
Test concentrations (% sample)	100, 50, 10, 0 (control)
Number of organisms/chamber	10
Number of replicates	4
Photoperiod	16 hours light/8 hours dark
Aeration	None, unless DO levels fall below 4.0 mg/L.
Test Protocol	US EPA 503/8-91/001, US EPA-821-R-02-012
Test acceptability criteria	≥ 90% mean survival in controls
Reference toxicant	Copper chloride

Table 6. Summary of Toxicity Test Methodology and QA/QC Requirements for 28-Day Bioaccumulation Tests

Test organisms	Marine clam *Macoma nasuta* and marine polychaete *Nereis virens*
Test organism source	Brezina and Associates
Test organism age at initiation	Adult (field caught)
Test duration	28 days and 24-hr depuration period
Test solution renewal	Continuous flow-through
Feeding	None
Test chambers	10-gallon glass aquaria or 5-gallon glass aquaria (control only)[a]
Sediment depth/ volume	2 inches
Overlying water volume	Approx. 7 gallons for 10-gallon tanks or 3.5 gallons for 5-gallon tanks
Test temperature	15 ± 1°C (test-wide mean); 15 ± 2°C (instantaneous)
Dilution water	34 ppt. seawater collected offshore SIO Pier in La Jolla, CA and 20 µm filtered
Test concentrations	Undiluted sediment
Number of organisms/chamber	35 clams and 10 worms (test sites) or 5 clams and 1 or 2 worms (control only)[a]
Number of replicates	5 for test sites, 7 for control[a]
Photoperiod	16 hours light/8 hours dark
Aeration	Continuous
Test Protocol	US EPA 503/8-91/001, ASTM 2000 E1688-00A
Test acceptability criteria	Recommended ≥ 90% mean survival among control replicates
Reference toxicant	None

[a] see QA/QC section (section 4.4) for a detailed explanation of replicate size and organisms loading.

2.4 Testing Schedule

A summary of the testing schedule is provided in Table 7. Toxicity tests were initiated on November 9 and 14, 2007, a maximum of 17 days following sample collection.

Table 7. Toxicity and Bioaccumulation Test Schedule

Test Type	Test Initiation Date
Solid-Phase Tests	11/9/07
Suspended Particulate-Phase Tests	11/14/07
Bioaccumulation-Phase Tests	11/14/07

3.0 RESULTS

A summary of toxicity test results is shown in Tables 8 through 10 and Figures 1 through 7. A detailed summary of results is provided in Appendix A. Water quality measurements and reference toxicant data are provided in Appendices B and C, respectively. A summary of statistical results is presented in Appendix D. Toxicity was observed to bivalve larvae (Sites 2C, UC, and LC) and *Menidia* (Sites 2C and LC) in the suspended-particulate phase tests. Toxicity was also observed to amphipods (Sites 2C and LC) in the solid-phase testing relative to the reference sample. A significant reduction in *Macoma* survival from the reference was also detected in all sites tested for bioaccumulation. Copies of the Chain-of-Custody (COC) forms are located in Appendix E.

3.1 Solid-Phase Toxicity Tests

Solid-phase results are summarized in Table 8 and Figures 1 and 2. Individual replicate survival data is provided in Appendix Tables A-1 and A-2. Mean survival of *Eohaustorius* in the lab control and reference sediment was 92 and 90 percent, respectively. Mean survival of *Eohaustorius* in test sediments ranged from 59 to 88 percent. A one-way ANOVA detected a statistically significant difference among sites ($p<0.001$, Appendix Table D-1). When evaluated individually, Sites 2C and LC exhibited a statistical reduction in mean survival compared to the reference sediment (one-tailed *t*-test, $p<0.05$, Appendix Table D-6).

Table 8. Summary of Results for Solid-Phase Toxicity Tests

Site	*Eohaustorius* Survival (%)	*Neanthes* Survival (%)
Lab Control	92	100
1C	88	100
2C	**59***	92
UC	87	96
LC	**59***	92
Ref	90	100

Asterisk bolded values indicate a statistical reduction relative to the Reference site (*t*-test, $p \leq 0.05$).

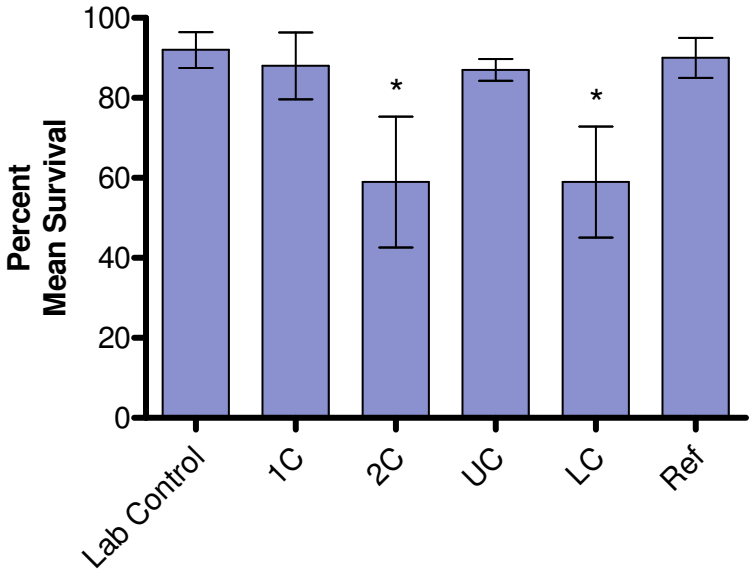

Figure 1. Solid-phase amphipod survival (mean ± 1 SD). Asterisk indicates a significant reduction from the Reference site.

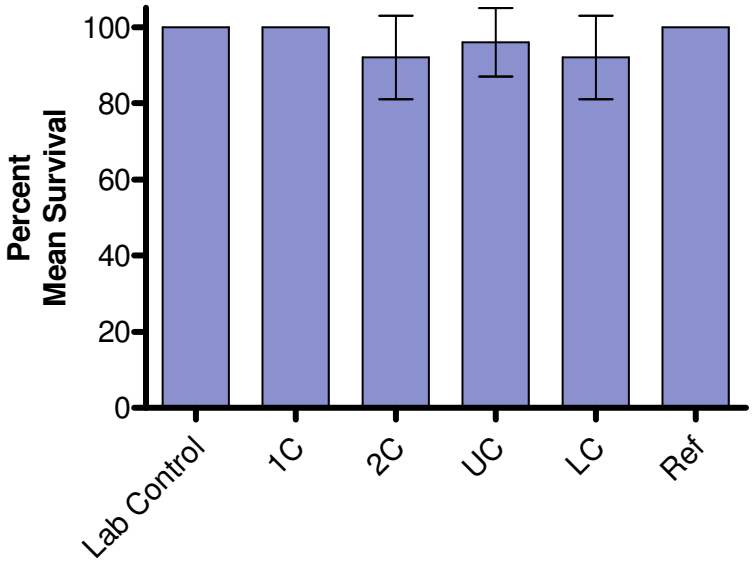

Figure 2. Solid-phase polychaete survival (mean ± 1 SD).

Mean *Neanthes* survival in the lab control and reference sediments was 100 percent. Mean survival of *Neanthes* in test sediments ranged from 92 to 100 percent. A one-way ANOVA detected no statistical difference among sites (p>0.05, Appendix Table D-1).

3.2 Suspended Particulate-Phase Toxicity Tests

A summary of results for suspended particulate-phase tests are shown in Table 9 and in Figures 3 through 5. Individual replicate data for the suspended particulate-phase tests are provided in Appendix Tables A-3, A-4, and A-5.

Mean normal development of mussel embryos in the two controls performed was 81 and 82 percent. Mean normal development in the undiluted elutriates ranged from 0.2 to 78 percent. A statistical reduction in mean normal embryo development was detected at three sites: 2C, UC, and LC (Dunnett's Multiple Comparison test, p<0.05, Appendix D-2). Sites 2C and LC exhibited the largest decrease with 0.2 and 0.8 percent mean normal embryo development, respectively, in the undiluted elutriate. Point estimate median effect concentrations (EC_{50}) values for Sites 2C and LC were similar at 20.5 and 20.1 percent elutriate, respectively. Although a statistically significant reduction in mean normal embryo development was observed in all concentrations tested of Site UC, only

Table 9. Summary of Results for Suspended Particulate-Phase Toxicity Tests

Site	Elutriate Conc. (%)	Bivalve (Mean % Normal)	*Menidia* (Mean % Survival)	Mysid (Mean % Survival)
1C	0 (control)	82	88	95
	10	72	85	100
	50	73	100	98
	100	78	95	95
	EC_{50}/LC_{50} (%)	>100	>100	>100
2C	0 (control)	82	88	95
	10	**77***	98	100
	50	**2.4***	75	98
	100	**0.2***	**45***	93
	EC_{50}/LC_{50} (%)	20.5	96.9	>100
UC	0 (control)	81	88	95
	10	**71***	88	95
	50	**74***	93	98
	100	**65***	85	95
	EC_{50}/LC_{50} (%)	>100	>100	>100
LC	0 (control)	81	88	95
	10	77	75	98
	50	**1.4***	**68***	98
	100	**0.8***	**43***	80
	EC_{50}/LC_{50} (%)	20.1	97.5	>100

Asterisk bolded values indicate a statistical reduction relative to the control (Dunnett's Multiple Comparison, $p<0.05$).

a 16 percent reduction from the control was observed in the highest concentration tested and resulted in an LC_{50} of >100%.

Mean *Menidia* survival in the lab control was 88 percent. Mean survival in the undiluted elutriates ranged from 43 to 95 percent. A statistical reduction in survival was observed in Site 2C and LC elutriates (Dunnett's Multiple Comparison test, $p<0.05$, Appendix D-3). Site 2C exhibited a statistical reduction in survival at only the highest concentration ($LC_{50}>100$), while survival in Site LC was significantly reduced at the two highest concentrations (LC_{50} = 97.5%).

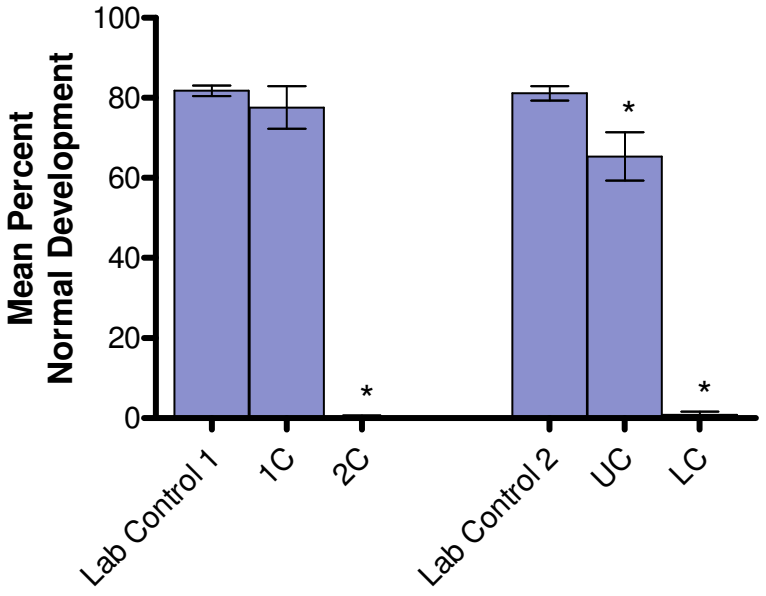

Figure 3. Bivalve embryo mean normal development in undiluted elutriates (mean ± 1 SD). Lab Control 1 was paired with Sites 1C and 2C. Lab Control 2 was paired with Sites UC and LC.

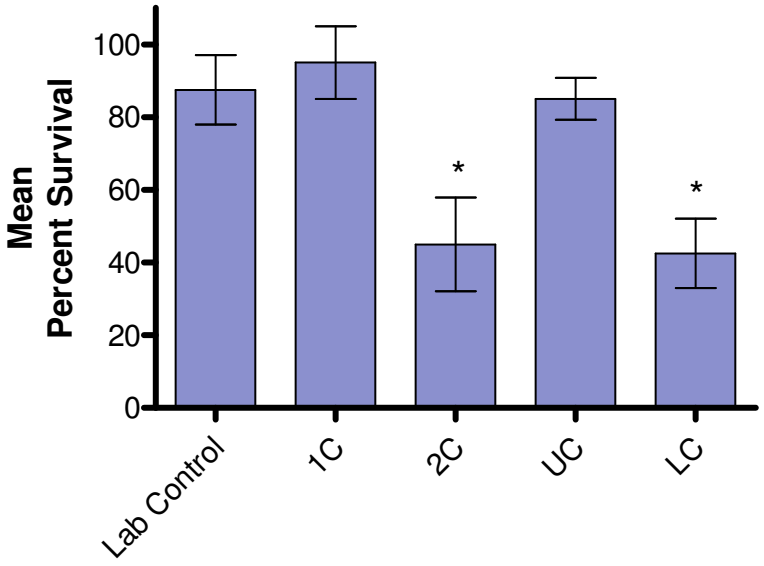

Figure 4. *Menidia* survival in undiluted elutriates (mean ± 1 SD).

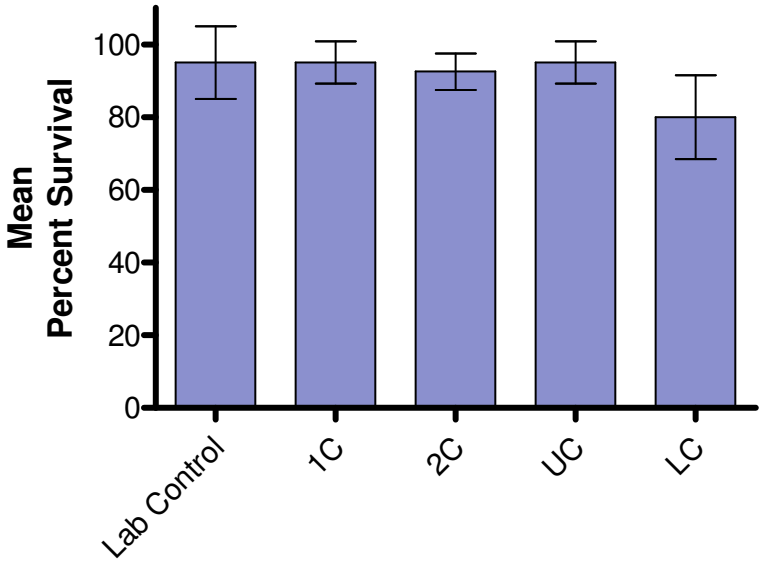

Figure 5. Mysid survival in undiluted elutriates (mean ± 1 SD).

Mean mysid survival in the lab control was 95 percent. Mean mysid survival in the undiluted elutriates ranged from 80 to 95 percent. No statistical reduction in survival was observed at any site or concentration tested (Appendix D-4).

3.3 Bioaccumulation Tests

Mean survival results for the bioaccumulation tests are summarized in Table 10 and Figures 6 and 7. Additional replicate detail is provided in Appendix Table A-6 and A-7. Mean clam survival in the control and reference site was 77 and 84 percent, respectively. Mean clam survival among the test sites ranged from 38 to 68 percent. A one-way ANOVA detected a statistically significant difference in survival among sites ($p<0.001$, Appendix Table D-5). When evaluated individually, all sites exhibited a statistical reduction in mean survival compared to the reference sediment (one-tailed *t*-test, $p<0.05$, Appendix Table D-6). Despite lower than typically observed survival, sufficient clam tissue was obtained at test termination to proceed with chemical analyses. All surviving clams appeared healthy and in good condition at the end of the exposure period. A more detailed discussion of the observed clam survival can be found in the QA/QC section at the end of this report.

Mean worm survival in the control and reference site was 100 and 94 percent, respectively. Mean worm survival among the test sites ranged from 86 to 98 percent. A

Table 10. Summary of Bioaccumulation Survival Results

Site	*Macoma* Mean Percent Survival	*Nereis* Mean Percent Survival
Lab Control	77	100
1C	**68***	92
2C	**54***	88
UC	**62***	98
LC	**38***	86
Ref	84	94

Asterisk bolded values indicate a statistical reduction relative to the reference site (*t*-test, $p \leq 0.05$).

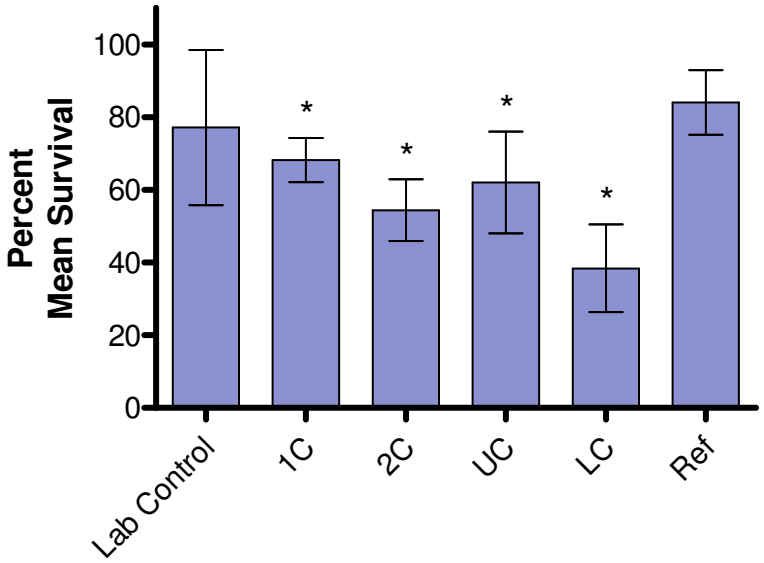

Figure 6. Bioaccumulation-phase clam survival (mean ± 1 SD). Asterisk indicates a significant reduction from the Reference site.

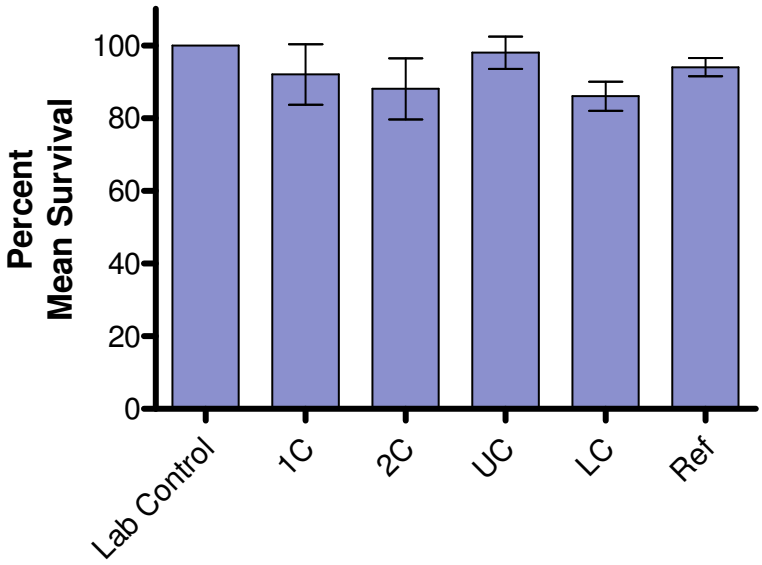

Figure 7. Bioaccumulation-phase worm survival (mean ± 1 SD).

one-way ANOVA detected a statistically significant difference in survival among sites ($p<0.01$, Appendix Table D-5); however, multiple comparison one-tailed *t*-tests detected no significant reductions from the reference in any site tested (Appendix Table D-6).

4.0 QA/QC

All of the data presented has been thoroughly reviewed in accordance with our internal QA program and relevant protocols, and deemed acceptable for reporting. Any deviations with respect to test conditions and acceptability criteria are summarized here. All deviations were considered minor with no foreseeable bearing on test results.

4.1 Reference Toxicant Tests

Reference toxicant test results for solid and suspended-particulate phase tests are provided in Appendix C. All reference toxicant test results were valid and fell within internal laboratory control limits of ±2 standard deviations. This indicates that test organism sensitivity was consistent with that historically observed at Nautilus.

4.2 Solid-Phase Toxicity Tests

All test acceptability criteria were met and water quality values were within acceptable ranges as defined by the test protocol.

4.3 Suspended Particulate- Phase Toxicity Tests

The mean percent of mussel embryos introduced into the control treatment resulting in live larvae with completely developed shells was 70 percent. This meets test acceptability criteria as stated in ASTM E 724-98.

Mean *Menidia* control survival was 88 percent. This falls just below the 90 percent test acceptability criteria. Mean survival in the concurrent reference toxicant control utilizing the same batch of *Menidia* did meet test acceptability criteria with 95 percent survival. The reference toxicant test also exhibited a typical dose response within quality control chart limits. The tests were deemed acceptable for reporting purposes due to: 1) low variability among all replicates and power to detect statistical differences, 2) acceptable control performance in the concurrent reference toxicant test, and 3) a typical dose response suggesting similar sensitivity to that normally observed with this species.

Mysid exposures met all test acceptability criteria.

Water quality values for all suspended-particulate tests were within acceptable ranges as defined by the test protocols.

4.4 Bioaccumulation Tests

Due to an unanticipated shortage of 10-gallon aquaria (several cracked during the cleaning process), 5-gallon aquaria were used for the control replicates. The number of control replicates was increased to seven so as to maintain comparable organism loading levels per replicate, while retaining the total number of organisms. However, due to technician error, the number of *Macoma* and *Nereis* added to control replicates at initiation (5 *Macoma* and 1 or 2 *Nereis*) was below that required to equal the total number of organisms introduced to the test sites.

Mean survival of *Macoma* at the end of the 28-day bioaccumulation exposure was 77 percent. This is below a goal 90 percent survival recommended in the “Standard Guide for Determination of the Bioaccumulation of Sediment-Associated Contaminants by Benthic Invertebrates” (ASTM E1688-00A); however, this is not a test acceptability

requirement. Mean survival in the reference, at 84 percent, exceeded that in the control. There was no indication upon arrival and during acclimation that animals were less healthy than normal. Clams were siphoning and appeared normal in color and activity during acclimation and upon addition to the test chambers. All of the control mortality observed occurred during the second half of the test period. Consistent with prior experience, it appears likely that a lack of available food in the control sediment during the 28-day exposure may have had some effect on survival, particularly since the home control sediment is nearly 100 percent sand with little to no fines or clays. Food is not added during the bioaccumulation exposure per the test protocol. It is also possible that this reduced survival is an artifact of there only being 5 clams added to each test replicate, resulting in each clam mortality representing a 20 percent reduction in survival. When initiating with the typical 35 clams, it is routine to observe 2-3 clam mortalities per replicate.

Several daily water quality measurements exceeded the 15±2°C instantaneous temperature range recommended by the test protocol. All were noted within 24-hours and flows were adjusted accordingly to bring the temperature back within the recommended range. All deviations were considered minor and would not have affected results. The overall test-wide mean temperature for all sites fell within the recommended range of 15±1°C. All other water quality results for the bioaccumulation tests were within acceptable ranges as defined by the test protocol and are provided in Appendix B.

4.5 Potential Confounding Factors

4.5.1 Total Ammonia

4.5.1.1 Solid-Phase Testing

Ammonia analysis results are provided in Appendix B and summarized in Table 11. Total ammonia levels ranged from 1.7 to 39 mg/L in the interstitial porewater collected from all test sediments. Total ammonia in the overlying water of the amphipod and polychaete solid-phase tests at test initiation ranged from 0.2 to 4.9 mg/L among all sites. Overlying water total ammonia at test termination ranged from 1.1 to 11.7 mg/L for the amphipod and 0.6 to 8.4 mg/L for the polychaete solid-phase tests. The total ammonia levels were below a reported no effect concentration of 60 mg/L (US EPA 1994) and LC_{50} of 126.7 mg/L (Kohn et al., 1994) for *Eohaustorius*. The mean un-ionized ammonia concentrations measured in the porewater (calculated based on the

maximum pH, temperature, and salinity measured during the test period) ranged from <0.1 to 1.37 mg/L. Only Site LC porewater (1.37 mg/L un-ionized ammonia) was above the 0.8 mg/L and 1.25 mg/L no effect concentrations for *Eohaustorius* and *Neanthes* reported by US EPA (1994), respectively. The highest ammonia concentration measured however, was approximately half of the 2.52 mg/L un-ionized ammonia LC_{50} for *Eohaustorius* reported by Kohn et al. (1994). Although ammonia may be contributing some effect to amphipods in Site LC sediment, the degree of amphipod mortality observed in both Sites 2C and LC was greater than that expected based on the concentration of un-ionized ammonia alone.

4.5.1.2 Suspended Particulate-Phase Testing

Ammonia analysis results are provided in Appendix B and summarized in Table 12. The total ammonia level in the 100 percent elutriate of the suspended-particulate-phase tests ranged from 0.6 to 12.6 mg/L at test initiation. The total ammonia levels were below reported no effect concentrations of 29 and 15 mg/L (Nautilus internal studies) for *Americamysis* and *Menidia*, respectively. Un-ionized ammonia levels (calculated based on the maximum pH, temperature, and salinity measured during the test period) for the *Menidia* and *Americamysis* tests were similar among sites and ranged from 0.04 to 1.34 mg/L. Sites 2C and LC exceeded a 96-hour LC_{50} of 0.9 mg/L for *Menidia* (Nautilus internal studies), while none of the sites exceeded a 96-hour LC_{50} of 2.3 mg/L for *Americamysis* (Nautilus internal studies).

Total ammonia in Site 2C and LC elutriates, however, exceeded a no effect concentration of 4.0 mg/L reported to affect bivalve embryos (Tang, 1997). Un-ionized ammonia levels in the bivalve elutriate tests ranged from 0.02 to 0.38 mg/L. Site 1C, 2C and LC elutriates exceeded a toxicity threshold of 0.05 mg/L un-ionized ammonia developed by the Marine Pollution Studies Laboratory (unpublished data), while elutriate from Sites 2C and LC exceeded the US EPA recommended threshold of 0.13 mg/L un-ionized ammonia for a similar species *Crassostrea gigas* (US EPA, 1995).

4.5.1.3 Bioaccumulation-Phase Testing

Ammonia analysis results for the bioaccumulation-phase are provided in Appendix B. Total ammonia levels ranged from 1.7 to 39 mg/L in the interstitial porewater collected from all test sediments. Total ammonia in the overlying water of the bioaccumulation-phase tests ranged from <0.1 to 3.3 mg/L among all sites across the 28-day test period.

The relationship between *Macoma* survival observed in the bioaccumulation exposures and porewater ammonia concentrations is unclear, as ammonia toxicity threshold levels for *Macoma* are unavailable in the literature.

Table 11. Summary of Solid-Phase Ammonia Measurements and Effect Levels

Porewater

Sample	Total Ammonia (mg/L)	Temp (°C)	Salinity (ppt)	pH (units)	Un-ionized Ammonia (mg/L)
1C	4.39	15	34.1	7.18	0.02
2C	34.7	15	33.9	7.38	0.21
UC	2.44	15	20.1	7.62	0.03
LC	39.0	15	26.0	8.16	**1.37***
Ref	1.7	15	33.8	7.42	0.01

Overlying Water

	Eohaustorius - Total NH_3 (mg/L)		*Neanthes* - Total NH_3 (mg/L)	
Sample	Day 0	Day 10	Day 0	Day 10
1C	0.4	1.2	0.7	0.6
2C	4.9	11.7	4.1	8.4
UC	0.2	1.1	0.5	1.0
LC	4.1	7.9	3.2	4.9
Ref	0.5	2.1	0.6	2.3

Effect Levels

	Ammonia NOEC (mg/L)		Ammonia LC_{50} (mg/L)	
Species	Total	Un-ionized	Total	Un-ionized
Eohaustorius	60	0.8	126.7	2.52
Neanthes	--	1.25	--	--

Bold asterisk values exceed either NOEC or EC_{50}/LC_{50} limits.

Table 12. Summary of Suspended Particulate-Phase Ammonia Measurements and Effect Levels

Menidia beryllina

Sample	Day 0 Total Ammonia (mg/L)	Temp (°C)	Salinity (ppt)	pH (units)	Un-ionized Ammonia (mg/L)
1C	1.95	24.7	31.6	8.18	0.14
2C	12.6	24.7	33.5	8.36	**1.34***
UC	0.61	25.0	34.2	8.20	0.05
LC	10.9	25.0	31.5	8.34	**1.13***

Americamysis bahia

Sample	Day 0 Total Ammonia (mg/L)	Temp (°C)	Salinity (ppt)	pH (units)	Un-ionized Ammonia (mg/L)
1C	1.95	24.6	32.4	8.18	0.14
2C	12.6	24.3	32.1	8.35	1.27
UC	0.61	24.4	31.0	8.18	0.04
LC	10.9	25.0	31.9	8.35	1.15

Mytilus galloprovincialis

Sample	Day 0 Total Ammonia (mg/L)	Temp (°C)	Salinity (ppt)	pH (units)	Un-ionized Ammonia (mg/L)
1C	1.95	14.9	30.9	8.13	**0.06***
2C	**12.57***	14.9	30.4	8.09	**0.37***
UC	0.61	14.9	29.2	8.18	0.02
LC	**10.86***	14.9	30.4	8.14	**0.36***

Effect Levels

Species	Ammonia NOEC (mg/L)		Ammonia 96-hr EC_{50}/LC_{50} (mg/L)	
	Total	Un-ionized	Total	Un-ionized
Menidia	15	--	--	0.9
Americamysis	29	--	--	2.3
Mytilus	4.0	0.05	--	--

[a] Total ammonia measured in undiluted elutriate. Un-ionized ammonia calculated using the maximum temperature, salinity, and pH measured during the 96-hour test period.

Bold asterisk values exceed either NOEC or EC_{50}/LC_{50} limits.

5.0 REFERENCES

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Appendix A
Summary of Toxicity Test Results

Appendix Table A-1. Summary of Solid Phase Testing

AMEC - POLA Berths 145-147

Amphipod 10-Day Survival

Test Date: 11/9/07

Site	Replicate	Rnd. No.	# Alive	% Survival	Mean % Survival
Control	A	3	17	85	92
	B	10	19	95	
	C	18	19	95	
	D	23	19	95	
	E	14	18	90	
1C	A	8	19	95	88
	B	19	19	95	
	C	6	17	85	
	D	21	18	90	
	E	24	15	75	
2C	A	2	10	50	59
	B	1	15	75	
	C	20	7	35	
	D	15	14	70	
	E	16	13	65	
UC	A	9	17	85	87
	B	22	17	85	
	C	4	18	90	
	D	11	18	90	
	E	7	17	85	
LC	A	27	10	50	59
	B	28	16	80	
	C	25	13	65	
	D	17	9	45	
	E	13	11	55	
Ref	A	30	17	85	90
	B	12	17	85	
	C	26	19	95	
	D	5	18	90	
	E	29	19	95	

Appendix Table A-2. Summary of Solid Phase Testing

AMEC - POLA Berths 145-147

Polychaete 10-Day Survival

Test Date: 11/9/07

Site	Replicate	Rnd. No.	# Alive	% Survival	Mean % Survival
Control	A	3	5	100	100
	B	10	5	100	
	C	18	5	100	
	D	23	5	100	
	E	14	5	100	
1C	A	8	5	100	100
	B	19	5	100	
	C	6	5	100	
	D	21	5	100	
	E	24	5	100	
2C	A	2	4	80	92
	B	1	4	80	
	C	20	5	100	
	D	15	5	100	
	E	16	5	100	
UC	A	9	5	100	96
	B	22	4	80	
	C	4	5	100	
	D	11	5	100	
	E	7	5	100	
LC	A	27	4	80	92
	B	28	4	80	
	C	25	5	100	
	D	17	5	100	
	E	13	5	100	
Ref	A	30	5	100	100
	B	12	5	100	
	C	26	5	100	
	D	5	5	100	
	E	29	5	100	

Appendix Table A-3. Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Mytilus* 48-hour Normal Development**

Test Date: 11/14/07

Site 1C					
% Sample	Rep	# Scored	# Normal Development	% Normal Development	Mean % Normal Development
Lab Control	A	100	83	83	82
	B	100	81	81	
	C	100	83	83	
	D	100	82	82	
	E	100	80	80	
10	A	100	83	83	72
	B	100	79	79	
	C	100	61	61	
	D	100	79	79	
	E	100	56	56	
50	A	100	81	81	73
	B	100	74	74	
	C	100	65	65	
	D	100	69	69	
	E	100	78	78	
100	A	100	83	83	78
	B	100	75	75	
	C	100	78	78	
	D	100	82	82	
	E	100	70	70	
NOEC = 100					
LC50 = >100					

Site 2C					
% Sample	Rep	# Scored	# Normal Development	% Normal Development	Mean % Normal Development
Lab Control	A	100	81	81	82
	B	100	82	82	
	C	100	80	80	
	D	100	83	83	
	E	100	83	83	
10	A	100	75	75	77
	B	100	83	83	
	C	100	79	79	
	D	100	76	76	
	E	100	71	71	
50	A	100	2	2	2.4
	B	100	1	1	
	C	100	2	2	
	D	100	2	2	
	E	100	5	5	
100	A	100	0	0	0.2
	B	100	0	0	
	C	100	1	1	
	D	100	0	0	
	E	100	0	0	
NOEC = <10					
LC50 = 20.5					

Appendix Table A-3 (cont). Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Mytilus* 48-hour Normal Development**

Test Date: 11/14/07

Site LC					
% Sample	Rep	# Scored	# Normal Development	% Normal Development	Mean % Normal Development
Lab Control	A	100	81	81	81
	B	100	79	79	
	C	100	83	83	
	D	100	80	80	
	E	100	83	83	
10	A	100	76	76	77
	B	100	79	79	
	C	100	74	74	
	D	100	79	79	
	E	100	76	76	
50	A	100	0	0	1.4
	B	100	3	3	
	C	100	0	0	
	D	100	4	4	
	E	100	0	0	
100	A	100	1	1	0.8
	B	100	2	2	
	C	100	0	0	
	D	100	1	1	
	E	100	0	0	
NOEC = 10					
LC50 = 20.1					

Site UC					
% Sample	Rep	# Scored	# Normal Development	% Normal Development	Mean % Normal Development
Lab Control	A	100	83	83	81
	B	100	81	81	
	C	100	79	79	
	D	100	80	80	
	E	100	83	83	
10	A	100	64	64	71
	B	100	73	73	
	C	100	76	76	
	D	100	70	70	
	E	100	73	73	
50	A	100	80	80	74
	B	100	81	81	
	C	100	71	71	
	D	100	64	64	
	E	100	74	74	
100	A	100	62	62	65
	B	100	61	61	
	C	100	64	64	
	D	100	76	76	
	E	100	64	64	
NOEC = <10					
LC50 = >100					

Appendix Table A-4. Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Menidia* 96-hour Survival**

Test Date: 11/14/07

Site 1C				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	8	80	88
	B	8	80	
	C	9	90	
	D	10	100	
10	A	8	80	85
	B	8	80	
	C	10	100	
	D	8	80	
50	A	10	100	100
	B	10	100	
	C	10	100	
	D	10	100	
100	A	10	100	95
	B	8	80	
	C	10	100	
	D	10	100	
NOEC = 100				
LC50 = >100				

Site 2C				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	8	80	88
	B	8	80	
	C	9	90	
	D	10	100	
10	A	10	100	98
	B	9	90	
	C	10	100	
	D	10	100	
50	A	8	80	75
	B	8	80	
	C	7	70	
	D	7	70	
100	A	6	60	45
	B	4	40	
	C	5	50	
	D	3	30	
NOEC = 50				
LC50 = 96.9				

Appendix Table A-4 (cont). Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Menidia* 96-hour Survival**

Test Date: 11/14/07

Site LC				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	8	80	88
	B	8	80	
	C	9	90	
	D	10	100	
10	A	8	80	75
	B	7	70	
	C	8	80	
	D	7	70	
50	A	7	70	68
	B	8	80	
	C	6	60	
	D	6	60	
100	A	5	50	43
	B	3	30	
	C	5	50	
	D	4	40	
NOEC = 10				
LC50 = 97.5				

Site UC				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	8	80	88
	B	8	80	
	C	9	90	
	D	10	100	
10	A	10	100	88
	B	9	90	
	C	8	80	
	D	8	80	
50	A	10	100	93
	B	9	90	
	C	9	90	
	D	9	90	
100	A	8	80	85
	B	9	90	
	C	8	80	
	D	9	90	
NOEC = 100				
LC50 = >100				

Appendix Table A-5. Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Americamysis* 96-hour Survival**

Test Date: 11/14/07

Site 1C				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	10	100	95
	B	8	80	
	C	10	100	
	D	10	100	
10	A	10	100	100
	B	10	100	
	C	10	100	
	D	10	100	
50	A	10	100	98
	B	10	100	
	C	9	90	
	D	10	100	
100	A	9	90	95
	B	10	100	
	C	10	100	
	D	9	90	
NOEC = 100				
LC50 = >100				

Site 2C				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	10	100	95
	B	8	80	
	C	10	100	
	D	10	100	
10	A	10	100	100
	B	10	100	
	C	10	100	
	D	10	100	
50	A	10	100	98
	B	9	90	
	C	10	100	
	D	10	100	
100	A	9	90	93
	B	9	90	
	C	10	100	
	D	9	90	
NOEC = 100				
LC50 = >100				

Appendix Table A-5 (cont). Summary of Suspended Particulate-Phase Testing

AMEC - POLA Berths 145-147

***Americamysis* 96-hour Survival**

Test Date: 11/14/07

Site LC				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	10	100	95
	B	8	80	
	C	10	100	
	D	10	100	
10	A	10	100	98
	B	10	100	
	C	10	100	
	D	9	90	
50	A	10	100	98
	B	9	90	
	C	10	100	
	D	10	100	
100	A	7	70	80
	B	9	90	
	C	9	90	
	D	7	70	
NOEC = 100				
LC50 = >100				

Site UC				
% Sample	Rep	96-hr # Alive	96-hr % Survival	Mean % Survival
Lab Control	A	10	100	95
	B	8	80	
	C	10	100	
	D	10	100	
10	A	10	100	95
	B	9	90	
	C	9	90	
	D	10	100	
50	A	10	100	98
	B	10	100	
	C	9	90	
	D	10	100	
100	A	10	100	95
	B	9	90	
	C	9	90	
	D	10	100	
NOEC = 100				
LC50 = >100				

Appendix Table A-6. Summary of Bioaccumulation-Phase Testing

AMEC - POLA Berths 145-147

***Macoma* 28-Day Survival**

Test Date: 11/14/07

Site	Replicate	# Alive	% Survival	Mean % Survival
Control	A	5	100	
	B	3	60	
	C	3	60	
	D	5	100	77
	E	5	100	
	F	3	60	
	G	3	60	
1C	A	27	77	
	B	23	66	
	C	21	60	68
	D	24	69	
	E	24	69	
2C	A	16	46	
	B	20	57	
	C	20	57	54
	D	23	66	
	E	16	46	
UC	A	24	69	
	B	23	66	
	C	24	69	62
	D	13	37	
	E	24	69	
LC	A	9	26	
	B	9	26	
	C	18	51	38
	D	17	49	
	E	14	40	
Ref	A	30	86	
	B	28	80	
	C	31	89	84
	D	25	71	
	E	33	94	

Appendix Table A-7. Summary of Bioaccumulation-Phase Testing

AMEC - POLA Berths 145-147

***Nereis* 28-Day Survival**

Test Date: 11/14/07

Site	Replicate	# Alive	% Survival	Mean % Survival
Control	A	1	100	
	B	2	100	
	C	2	100	
	D	2	100	100
	E	1	100	
	F	1	100	
	G	1	100	
1C	A	10	100	
	B	9	90	
	C	9	90	92
	D	8	80	
	E	10	100	
2C	A	8	80	
	B	8	80	
	C	9	90	88
	D	10	100	
	E	9	90	
UC	A	10	100	
	B	10	100	
	C	10	100	98
	D	10	100	
	E	9	90	
LC	A	10	100	
	B	8	80	
	C	9	90	86
	D	8	80	
	E	8	80	
Ref	A	9	90	
	B	10	100	
	C	9	90	94
	D	9	90	
	E	10	100	

APPENDIX B
WATER QUALITY RAW DATA

Amphipod Solid-Phase Test

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Lab Control

Start Date/Time: 11/9/2007 ~~0~~ 1430

Test No.: 0711-S019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.5	15.4	8.7	8.05	NA	
1	29.9	148	8.4	8.04	ES	
2	29.9	15.4	8.1	8.09	KL	
3	29.8	15.8	8.4	8.07	KL	
4	29.0	15.6	8.5	8.05	NA	
5	~~29.3~~ 29.1	~~20.6~~ 15.7	~~7.2~~ 8.2	~~8.02~~ 8.01	EG	
6	29.3	15.3	8.2	8.04	DF	
7	29.2	15.4	8.1	8.06	DF	
8	29.4	15.1	8.6	8.00	JT	
9	29.3	15.5	8.4	8.00	EG	
10	29.1	15.7	7.5	8.03	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Nautilus Environmental, LLC. 5550 Morehouse Drive, Suite 150 San Diego, CA 92121.

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Site 1C

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.7	15.3	8.6	8.03	NA	
1	30.2	14.7	8.4	8.06	ES	
2	30.2	15.3	8.8	8.09	KL	
3	30.3	15.9	8.6	8.07	KL	
4	29.5	15.6	8.4	8.05	NA	
5	29.6 ~~29.9~~	15.9 ~~20.4~~	8.0 ~~7.2~~	7.98 ~~8.03~~	EG	
6	29.6	15.8	8.0	8.03	DF	
7	29.6	15.8	7.9	8.05	DF	
8	29.8	15.3	8.5	8.01	JT	
9	29.8	15.5	8.1	8.02	EG	
10	29.8	15.6	7.4	~~8.05~~ ES 7.99	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Site 2C

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.9	15.3	8.6	8.08	NA	
1	30.2	14.8	7.8	8.15	ES	
2	30.3	15.3	8.8	8.16	KL	
3	30.5	15.9	8.5	8.18	KL	
4	29.7	15.9	8.4	8.19	NA	
5	~~29.7~~ 29.7	~~20.4~~ 15.9	~~7.3~~ 8.0	8.19 ~~8.17~~	EG	
6	29.7	16.0	8.0	8.21	DF	
7	29.7	16.3	7.9	8.23	DF	Temp above required range of 15±1 °C.
8	29.9	15.7	8.3	8.23	JT	
9	29.9	15.6	8.2	8.21	EG	
10	29.8	15.6	8.0	8.19	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Site UC

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.1	15.2	8.5	8.11	NA	
1	29.1	14.9	8.2	8.11	ES	
2	29.3	15.1	8.2	8.15	KL	
3	29.2	15.9	8.5	8.14	KL	
4	28.2	15.9	8.3	8.09	NA	
5	~~29.4~~ 28.2	~~20.4~~ 15.9	~~7.2~~ 8.0	~~8.17~~ 8.07	EG	
6	28.0	15.9	8.0	8.05	DF	
7	28.0	16.1	8.0	8.07	DF	Temp above required range of 15 ± 1°C.
8	~~28.7~~ 28.7 DF	~~15.5~~ 15.6 DF	~~8.0~~ 8.4 DF	~~8.18~~ 8.07 DF	~~D.J.T~~	Wrote on the wrong Day. please disregard DF
9	28.5	15.6	8.3	8.10	EG	
10	28.3	ES 15.7	7.8	8.08	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Nautilus Environmental, LLC. 5550 Morehouse Drive, Suite 150 San Diego, CA 92121.

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Site LC

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.7	15.3	8.2	8.17	NA	
1	29.8	14.8	8.2	ES ~~8.3~~ 8.21	ES	
2	30.0	15.1	8.7	8.16	KL	
3	29.9	15.8	8.5	8.18	KL	
4	29.2	15.8	8.2	8.16	NA	
5	29.3	15.8	8.0	8.16	EG	
6	29.2	15.7	8.10	8.17	DF	
7	29.1	16.3	8.0	8.18	DF	Temp above required range of 15±1°C.
8	29.3	15.4	8.3	8.19	JT	
9	29.6	15.5	8.2	8.18	EG	
10	29.4	15.6	8.0	8.13	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *E. estuarius*

Site ID: Site Ref

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5019

End Date/Time: 11/19/2007 1130

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	30.0	15.1	8.5	8.12	NA	
1	30.2	14.9	8.3	8.16	ES	
2	30.3	15.0	8.7	8.17	KL	
3	30.3	15.4	8.5	8.18	KL	
4	29.6	15.3	8.4	8.14	NA	
5	29.7	15.4	8.1	8.12	EG	
6	29.7	15.3	8.1	8.13	DF	
7	29.8	15.5	8.1	8.12	DF	
8	29.7	15.6	8.4	8.16	JT	
9	29.9	15.0	8.3	8.17	EG	
10	30.1	15.1	8.6	8.14	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Polychaete Solid-Phase Test

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. areneaceodentata*

Site ID: Lab Control

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5020

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	30.1	20.8	7.5	8.08	NA	
1	30.2	20.3	7.0	8.09	ES	
2	29.9	20.6	7.9	~~7.94~~ 8.05 KL	KL	
3	30.1	20.4	7.5	7.98	KL	Sed
4	29.3	20.1	7.7	8.01	NA	
5	29.3	20.6	7.2	8.02	EG	
6	~~[illegible]~~ DF 29.2	20.0	7.2	8.01	DF	
7	29.5	19.4	7.2	8.02	DF	
8	~~30.~~ DF 30.0	~~19.0~~ DF 19.4	7.1	8.02	JS	
9	29.9	19.4	7.5	8.12	EG	
10	29.6	20.8	7.0	8.00	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. arenaceodentata*

Site ID: Site 1C

Start Date/Time: 11/9/2007 1430

Test No.: 0711-S020

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	NA ~~30.1~~ 30.3	NA ~~20.8~~ 20.7	NA ~~7.5~~ 7.3	NA ~~8.08~~ 8.07	NA	
1	30.5	20.3	6.9	8.10	ES	
2	30.6	20.1	7.7	8.07	KL	
3	30.7	20.3	7.6	8.03	KL	fed
4	29.9	20.0	7.5	8.05	NA	
5	29.9	20.4	7.2	8.03	EG	
6	29.9	19.8	7.6	8.03	DF	
7	30.1	19.6	DF ~~6~~ 7.2	8.01	DF	
8	30.5	19.8	7.0	8.05	JT	
9	30.5	19.8	7.3	8.11	EG	
10	30.4	20.8	6.9	8.02	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Nautilus Environmental, LLC. 5550 Morehouse Drive, Suite 150 San Diego, CA 92121.

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. arenaceodentata*

Site ID: Site 2C

Start Date/Time: 11/9/2007 1430

Test No.: 0711-S020

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	30.1	20.7	7.3	8.11	NA	
1	30.2	20.3	7.2	8.17	ES	
2	30.4	20.1	7.6	8.17	KL	
3	30.4	20.3	7.4	8.15	KL	fed
4	29.6	20.0	7.5	8.18	NA	
5	29.7	20.4	7.3	8.17	EG	
6	29.7	19.7	7.5	8.16	DF	
7	29.7	19.7	7.2	8.13	DF	
8	30.1	19.9	7.0	8.16	JT	
9	30.1	19.9	7.3	8.20	EG	
10	30.0	20.8	6.8	8.08	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. arenaceodentata*

Site ID: Site UC

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5026

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.6	20.8	7.4	8.11	NA	
1	29.5	20.3	7.2	8.13	ES	
2	29.7	20.1	7.6	8.15	KL	
3	29.6	20.3	7.5	8.14	KL	Sea
4	28.7	20.0	7.5	8.08	NA	
5	29.4	20.4	7.2	8.17	EG	
6	28.5	19.8	7.6	8.04	DF	
7	28.6	19.7	7.3	8.04	DF	
8	~~2~~ DF 29.0	~~19.8~~ DF 19.9	6.9	8.07	JT	
9	29.9	19.9	7.2	8.23	EG	
10	29.0	20.8	6.9	8.05	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. arenaceodentata*

Site ID: Site LC

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5020

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	29.9	20.8	7.4	8.14	NA	
1	29.9	20.3	7.2	8.15	ES	
2	30.2	20.1	7.7	8.16	KL	
3	30.1	20.3	7.5	8.12	KL	Old
4	29.3	20.0	7.4	8.09	NA	
5	29.2	20.5	7.2	8.05	EG	
6	29.1	19.8	7.4	8.08	DF	
7	29.3	19.8	7.3	8.08	DF	
8	29.6	20.0	7.0	8.11	JT	
9	29.0	~~1~~ 20.0	7.4	8.13	EG	
10	29.6	20.8	6.9	8.08	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Nautilus Environmental, LLC. 5550 Morehouse Drive, Suite 150 San Diego, CA 92121.

10-Day Marine Sediment Bioassay
Static Conditions

Water Quality Measurements

Client: AMEC / POLA

Test Species: *N. arenaceodentata*

Site ID: Site Ref

Start Date/Time: 11/9/2007 1430

Test No.: 0711-5020

End Date/Time: 11/19/2007 0930

Test Day	Salinity (ppt)	Temperature (°C)	Dissolved Oxygen (mg/L)	pH (units)	Technician Initials	Comments
0	30.2	20.8	7.4	8.12	NA	
1	30.3	20.3	7.2	8.15	ES	
2	30.7	20.1	7.6	8.17	KL	
3	30.7	20.3	7.5	8.15	KL	Fed
4	29.7	20.1	7.5	8.13	NA	
5	29.8	20.5	7.0	8.06	EG	
6	29.7	19.8	7.5	8.08	DF	
7	29.7	19.8	7.2	8.10	DF	
8	30.0	20.0	7.1	8.12	JT	
9	29.6	20.0	7.5	8.16	EG	
10	30.0	20.8	6.9	8.13	ES	

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Bivalve Suspended Particulate-Phase Test

Marine Chronic Bioassay

Water Quality Measurements

Client: POLA
Sample ID: 1C
Sample Log No.: 07- 0228 A B C

Test Species: *M. galloprovincialis*
Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Test No.: 0711-S021a

Concentration (%)	Salinity (ppt)			Temperature (°C)			Dissolved Oxygen (mg/L)			pH (pH units)		
	0	24	48	0	24	48	0	24	48	0	24	48
Lab Control	29.1	28.7	28.6	14.9	14.2	14.2	8.1	8.0	8.3	7.86	7.79	7.78
10	28.8	29.4	29.3	14.9	13.6 (*)	14.2	7.8	8.4	8.4	7.96	7.80	7.78
50	29.4	29.1	30.1	14.9	13.5 (*)	14.0	6.9	8.4	8.4	8.05	7.87	7.82
100	30.1	29.6	30.9	14.9	13.5 (*)	14.0	6.3	8.4	8.4	8.13	7.92	7.87

	0	24	48
Technician Initials:	JR	DF	DF

Animal Source/Date Received: mission bay 11/13/07

Comments: 0 hrs:
~~24~~ hrs:
DF ~~48~~ 24 hrs: (*) = ~~Temp is lower than standard~~ AC ~~required range 15°C ± 1~~ VR

QC Check: EG 11/24/07

Final Review: NA 1/4/08

Marine Chronic Bioassay | **Water Quality Measurements**

Client: POLA
Sample ID: 2C
Sample Log No.: 07- 0229 A B C

Test Species: *M. galloprovincialis*
Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Test No.: 0711-S021a

Concentration (%)	Salinity (ppt)			Temperature (°C)			Dissolved Oxygen (mg/L)			pH (pH units)		
	0	24	48	0	24	48	0	24	48	0	24	48
Lab Control	29.1	28.7	28.6	14.9	14.2	14.2	8.1	8.0	8.3	7.86	7.79	7.78
10	28.8	28.7	28.5	14.9	13.8*	14.4	7.8	8.3	8.3	7.95	7.87	7.81
50	29.3	29.5	29.7	14.9	13.7*	14.0	6.7	8.2	8.4	7.94	8.00	7.97
100	30.0	29.2	30.4	14.9	13.8*	14.1	6.0	8.2	8.4	7.94	8.09	8.08

Technician Initials:	0	24	48
	JR	DF	DF

Animal Source/Date Received: Mission bay 11/13/07

Comments:
0 hrs:
24 hrs:* ~~Temp below required range of 15° ± 1~~ JR
48 hrs:

QC Check: EG 11/26/07

Final Review: Ma 1/4/08

Marine Chronic Bioassay | **Water Quality Measurements**

Client: POLA
Sample ID: UC
Sample Log No.: 07- 0231 A B C

Test Species: *M. galloprovincialis*
Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Test No.: 0711 - S021a

Concentration (%)	Salinity (ppt)			Temperature (°C)			Dissolved Oxygen (mg/L)			pH (pH units)		
	0	24	48	0	24	48	0	24	48	0	24	48
Lab Control	29.1	29.3	29.3	14.9	14.1	14.9	8.1	8.4	8.1	7.86	7.81	7.76
10	28.8	29.3	29.0	14.9	13.9*	14.9	7.9	8.3	8.2	7.97	7.82	7.77
50	28.8	28.7	29.8	14.9	13.8*	14.6	7.2	8.3	8.3	8.07	7.83	7.81
100	28.8	29.2	29.2	14.9	13.9*	14.8	6.3	8.1	8.2	8.18	7.87	7.84

	0	24	48
Technician Initials:	JR	DF	DF

Animal Source/Date Received: Mission Bay 11/13/07

Comments:
0 hrs:
24 hrs: ~~Temp below required range 15°C ±1~~ JR
48 hrs:

QC Check: EG 11/26/07

Final Review: Ma 1/4/08

Marine Chronic Bioassay **Water Quality Measurements**

Client: POLA
Sample ID: LC
Sample Log No.: 07- 0232 A B C

Test Species: *M. galloprovincialis*
Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Test No.: 0711-S021a

Concentration (%)	Salinity (ppt)			Temperature (°C)			Dissolved Oxygen (mg/L)			pH (pH units)		
	0	24	48	0	24	48	0	24	48	0	24	48
Lab Control	29.1	29.3	29.3	14.9	14.1	14.9	8.1	8.4	8.1	7.86	7.81	7.76
10	28.8	28.9	28.8	14.9	13.7*	15.2	7.5	8.3	8.4	7.99	7.82	7.82
50	29.1	29.3	30.4	14.9	13.7*	14.5	6.8	8.3	8.3	8.10	7.95	7.93
100	29.7	29.3	30.4	14.9	13.7*	14.4	6.1	7.9	8.2	8.14	8.07	8.05

	0	24	48
Technician Initials:	JR	DF	DF

Animal Source/Date Received: Mission Bay 11/13/07

Comments:
0 hrs:
24 hrs: ~~*Temp below required range 15±~~ JR
48 hrs:

QC Check: 11/26/07

Final Review: 1/4/08

Inland Silverside Suspended Particulate-Phase Test

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: 1C
Test No.: 0711-5021c

Test Species: *M. beryllina*
Start Date/Time: 11/14/2007 1140
End Date/Time: 11/18/2007 1010

	Tech Initials				
	0	24	48	72	96
Counts:	JJ/NH	EG	ES	JJ	KC
Readings:	JJ	NH	ES	JJ	EG

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	9	9	8	29.1	29.4	30.0	29.9	30.9	25.3	24.0	24.7	24.4	24.2	8.1	6.6	6.5	6.8	7.8	7.86	8.00	8.02	7.98	8.07
	B	10	10	10	9	8																				
	C	10	10	9	9	9																				
	D	10	10	10	10	10																				
10	A	10	10	9	9	8	28.8	29.4	29.9	30.8	30.8	24.5	24.0	24.8	24.2	24.3	7.8	6.6	6.6	6.8	7.7	7.96	7.99	8.04	8.04	8.08
	B	10	10	10	8	8																				
	C	10	10	10	10	10																				
	D	10	10	8	8	8																				
50	A	10	10	10	10	10	29.4	29.7	30.1	31.0	30.8	25.0	23.9	24.8	24.2	24.6	6.9	6.6	6.5	6.9	7.3	8.05	8.03	8.07	8.08	7.96
	B	10	10	10	10	10																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
100	A	10	10	10	10	10	30.1	30.3	30.6	31.4	31.5	24.6	23.9	24.7	24.2	24.4	6.3	6.6	6.5	6.9	7.7	8.13	8.07	8.10	8.15	8.18
	B	10	10	8	8	8																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS / 11.13.07 Age at initiation: 13 d.

	Feeding Times				
	0	24	48	72	96
AM:	—	0745	0730	0835	0730
PM:	1535	—	—	—	—

Comments: Test set up on air
Animals fed prior to initiation
~~Temp out of range, room turned up 5°~~ UR

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: 2C
Test No.: 0711-5021c

Test Species: *M. beryllina*
Start Date/Time: 11/14/2007 1157
End Date/Time: 11/18/2007 1020

Tech Initials	0	24	48	72	96
Counts:	SNH	EG	ES	JT	KL
Readings:	JT	NH	ES	JT	EG

Concentration %	Rep	Number of Live Organisms 0	24	48	72	96	Salinity (ppt) 0	24	48	72	96	Temperature (°C) 0	24	48	72	96	Dissolved Oxygen (mg/L) 0	24	48	72	96	pH (units) 0	24	48	72	96
Lab Control	A	10	10	9	8	8	29.1	29.4	~~30.0~~	29.9	30.9	25.3	24.0	~~24.5~~	24.9	~~24.6~~	8.1	6.6	6.5	6.8	7.8	7.86	8.00	8.02	7.98	~~8.15~~
	B	10	10	10	9	8		ES ~~30.0~~					ES 24.7			24.5										8.07
	C	10	10	9	9	9																				
	D	10	10	10	10	10																				
10	A	10	10	10	10	10	28.8	29.3	~~29.4~~	29.9	31.1	25.0	23.9	24.8	24.0	24.2	7.8	6.5	6.6	6.8	7.8	7.95	8.00	8.04	8.22	8.22
	B	10	10	10	9	9		ES 29.7																		
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
50	A	10	10	9	9	8	29.3	30.0	30.1	31.8	32.1	24.0	23.9	24.8	24.0	24.2	6.7	6.5	6.5	6.9	7.7	7.94	8.14	~~8.07~~	8.22	8.21
	B	10	10	10	8	8																		ES 8.17		
	C	10	10	9	8	7																				
	D	10	10	10	9	7																				
100	A	10	10	10	8	6	30.0	31.0	~~30.6~~	33.1	33.5	24.0	23.9	24.7	24.3	24.3	6.0	6.5	~~6.5~~	6.8	7.7	7.94	8.25	8.10	8.28	8.36
	B	10	10	9	6	4			ES 31.8										ES 4.9							
	C	10	10	9	8	5																				
	D	10	10	8	6	3																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS/11.13.07
Age at Initiation: 13d.

Feeding Times	0	24	48	72	96
AM:	—	0914	0730	0835	7.50
PM:	1535	–	–	–	

Comments: Test set up on air
Animals fed prior to initiation
(A) ~~Temp out of range. Room temp. turned up 0.5°~~ JR

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: UC
Test No.: 0711-5021c

Test Species: *M. beryllina*
Start Date/Time: 11/14/2007 1227
End Date/Time: 11/18/2007 1030

	Tech Initials				
	0	24	48	72	96
Counts:	JT/NH	EB	ES	JT	KL
Readings:	JT	NH	ES	JT	SG

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	9	8	8	29.1	29.4	30.0	29.9	30.9	25.3	24.0	24.7	24.4	24.2	8.1	6.6	6.5	6.8	7.8	7.86	8.00	8.02	7.98	8.07
	B	10	10	10	9	8																				
	C	10	10	9	9	9																				
	D	10	10	10	10	10																				
10	A	10	10	10	10	10	28.8	30.1	~~30.0~~	33.0	33.5	24.5	24.0	24.6	24.0	24.6	7.9	6.6	6.6	6.9	7.5	7.97	7.97	8.03	7.96	8.14
	B	10	10	9	9	9			ES 31.1																	
	C	10	10	10	10	8																				
	D	10	10	9	8	8																				
50	A	10	10	10	10	10	28.8	30.1	~~29.7~~	33.1	33.8	24.0	24.0	24.8	24.2	24.6	7.2	6.6	6.4	6.9	7.4	8.07	7.99	~~8.18~~	8.02	8.16
	B	10	10	10	9	9			ES 31.8															ES 8.03		
	C	10	10	10	9	9																				
	D	10	10	10	10	9																				
100	A	~~10~~ 10	11	11	10	8	28.8	30.4	31.5	33.6	34.2	24.0	24.1	25.0	24.3	24.7	6.3	6.7	6.4	6.9	7.4	8.18	8.06	8.08	8.07	8.20
	B	10	10	10	9	9																				
	C	10	10	10	10	8																				
	D	10	10	10	10	9																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS / 11.13.07
Age at Initiation: 13 d.

	Feeding Times				
	0	24	48	72	96
AM:	—	0915	0730	0835	750
PM:	1535	—	—	—	

Comments: Test set up on air
Animals fed prior to initiation

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: LC
Test No.: 0711-5021c

Test Species: *M. beryllina*
Start Date/Time: 11/14/2007 1213
End Date/Time: 11/18/2007 1015

	Tech Initials				
	0	24	48	72	96
Counts:	JT/MH	EG	ES	JT	KC
Readings:	JT	MH	ES	JT	EG

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	9	8	8	29.1	29.4	30.0	30.4	30.9	25.3	24.4	24.7	24.8	24.2	8.1	6.6	6.5	6.8	7.8	7.86	8.02	8.02	8.11	8.07
	B	10	10	10	9	8				29.9			24.0		JT										7.98	
	C	10	10	9	9	9																				
	D	10	10	9	10	10																				
10	A	10	10	10	9	8	28.8	29.4	29.9	30.6	30.8	25.5	23.8	24.8	24.3	24.3	7.5	6.6	6.6	6.9	7.7	7.99	8.02	8.04	8.15	8.15
	B	10	10	9	10	10				JT															JT	
	C	10	10	9	9	8																				
	D	10	10	9	7	7																				
50	A	10	10	10	10	7	29.1	29.5	30.1	31.4	30.8	24.0	23.8	24.8	24.3	24.2	6.8	6.6	6.5	6.8	7.8	8.10	8.13	8.07	8.31	8.26
	B	10	10	10	10	8				30.6					JT					JT					JT	
	C	10	10	9	9	6																				
	D	10	10	9	8	6																				
100	A	10	9	7	7	5	29.7	30.0	30.6	29.9	31.5	25.0	23.9	24.7	24.9	24.3	6.1	6.5	6.5	6.8	7.7	8.14	8.25	8.10	8.31	8.34
	B	10	10	7	5	3				31.4					JT										JT	
	C	10	10	7	5	5																				
	D	10	10	8	6	4																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS / 11.13.07 Age at Initiation: 13d.

	Feeding Times				
	0	24	48	72	96
AM:	—	0725	0736	0835	750
PM:	1535	-	—	-	—

Comments: Test ~~air~~ set up on air
Animals fed prior to initiation
(A) ~~Temperatures out of range. Room temp. turned up a 5°~~ JR

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Mysid Suspended Particulate-Phase Test

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: 1C
Test No.: 0711-50216

Test Species: *A. bahia*
Start Date/Time: 11/14/2007 ~~2~~ NK 1405
End Date/Time: 11/18/2007 1210

Tech Initials	0	24	48	72	96
Counts:	SW/NK	JT	ES	JT	PL
Readings:	JT	~~NK~~ DF	ES	JT	EG

Concentration %	Rep	Number of Live Organisms 0	24	48	72	96	Salinity (ppt) 0	24	48	72	96	Temperature (°C) 0	24	48	72	96	Dissolved Oxygen (mg/L) 0	24	48	72	96	pH (units) 0	24	48	72	96
Lab Control	A	10	10	10	10	10	29.1	29.4	30.1	30.6	30.8	25.3	23.8	24.0	24.2	24.2	8.1	6.0	6.4	7.0	7.5	7.86	7.78	8.01	7.99	8.10
	B	10	10	9	8	8																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10					31.7															
10	A	10	10	10	10	10	28.8	29.7	30.1	31.0	~~30.9~~ 31.5	24.5	23.4	24.0	24.2	24.2	7.8	6.0	6.5	7.0	7.5	7.96	7.91	8.07	8.02	8.10
	B	10	10	10	10	10																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
50	A	10	10	10	10	10	29.4	30.1	30.6	31.3	31.9	25.0	23.8	24.0	24.2	24.1	6.9	6.4	6.5	6.9	7.6	8.05	7.90	8.08	8.08	8.16
	B	10	10	10	10	10																				
	C	10	9	9	9	9																				
	D	10	10	10	10	10																				
100	A	10	10	9	9	9	30.1	30.6	31.1	31.9	32.4	24.6	23.9	24.2	24.2	24.1	6.3	6.4	6.5	7.0	7.6	8.13	8.0	8.14	8.12	8.18
	B	10	10	10	10	10																				
	C	10	10	10	10	10																				
	D	10	10	10	10	9																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS / 11-13-07
Age at Initiation: ~~13~~ 5 d.

Feeding Times	0	24	48	72	96
AM:	—	0714	0730	0825	0750
PM:	1535	1500	1645	1520	—

Comments: Test Setup Air
Animals fed prior to initiation
~~Temp out of range. Room temp turned up 0.5°~~ JR

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: 2C
Test No.: 0711-50216

Test Species: *A. bahia*
Start Date/Time: 11/14/2007 1412
End Date/Time: 11/18/2007 1215

Tech Initials	0	24	48	72	96
Counts:	JT/NA	JT	ES	JT	EC
Readings:	JT	DF	ES	JT	EC

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	10	10	10	29.1	29.4	30.1	30.6	30.8	25.3	23.8	24.0	24.2	24.2	8.1	6.0	~~5.0~~	7.0	7.5	7.86	7.78	8.01	7.99	8.10
	B	10	10	9	8	8													6.4							
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
10	A	10	10	10	10	10	28.8	29.4	29.9	30.8	31.3	25.0	23.8	24.2	24.0	24.0	7.8	6.4	6.6	7.0	7.6	7.95	7.94	8.10	8.07	8.15
	B	10	10	10	10	10																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
50	A	10	10	10	10	10	29.3	30.1	30.5	31.4	31.9	24.0	23.9	24.3	24.0	24.2	6.7	6.4	(A) 4.6	6.9	7.6	7.94	8.09	7.94	8.19	8.25
	B	10	9	9	9	9																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10						24.0					6.0									
100	A	10	10	9	9	9	30.0	30.5	30.9	31.8	32.1	~~6.0~~	24.1	24.3	24.1	24.2	~~4.6~~	6.3	6.4	6.9	7.6	7.94	8.2	8.29	8.28	8.35
	B	10	10	9	9	9																				
	C	10	10	10	10	10																				
	D	10	9	9	9	9																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS / 11.13.07
Age at Initiation: ~~+3~~ 5 d. KC

Feeding Times	0	24	48	72	96
AM:	—	0945	0730	0835	0750
PM:	1535	1500	1645	1530	—

Comments: TEST set up on air
Animals fed prior to initiation
(A) Air line replaced

QC Check: JR 11/14/07

Final Review: JR NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: UC
Test No.: 0711-50216

Test Species: *A. bahia*
Start Date/Time: 11/14/2007 ~~12~~ 1440
End Date/Time: 11/18/2007 1240

Tech Initials	0	24	48	72	96
Counts:	JT/NH	JT	ES	JT	KL
Readings:	JT	DF	ES	JT	KL

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	10	10	10	29.1	29.4	30.1	30.6	31.8	25.3	23.8	24.0	24.2	24.2	8.1	6.8	6.4	7.0	7.5	7.86	7.78	8.07	7.97	8.10
	B	10	10	9	8	8																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
10	A	10	10	10	10	10	28.8	29.7	30.1	31.5	31.8	24.5	23.5	24.2	24.0	24.2	7.9	6.8	6.6	7.0	7.6	7.97	7.91	8.07	8.06	8.13
	B	10	10	9	9	9																				
	C	10	10	9	9	9																				
	D	10	10	10	10	10																				
50	A	10	10	10	10	10	28.8	29.3	29.6	30.5	30.9	24.0	23.9	24.4	24.1	24.3	7.2	6.7	6.5	7.0	7.6	8.07	7.92	8.08	8.07	8.14
	B	10	10	10	10	10																				
	C	10	10	10	9	9																				
	D	10	10	10	10	10											6.3									
100	A	10	10	10	10	10	28.8	29.5	29.7	30.6	31.0	24.0	24.1	24.4	24.2	24.3	~~5.9~~ 7.1	6.7	6.5	6.9	7.7	8.18	7.98	8.11	8.10	8.15
	B	10	9	9	9	9																				
	C	10	10	9	9	9																				
	D	10	10	10	10	10																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS/11.13.07
Age at Initiation: 5d.

Feeding Times	0	24	48	72	96
AM:	—	0945	0730	0835	0750
PM:	1535	1530	1645	1530	—

Comments: Test set up on air
Animals fed prior to initiation

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Marine Acute Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: POLA (spp) / AMEC
Sample ID: LC
Test No.: 0711-50216

Test Species: *A. bahia*
Start Date/Time: 11/14/2007 1430
End Date/Time: 11/18/2007 1230

	Tech Initials				
	0	24	48	72	96
Counts:	JT/NH	JT	ES	JT	KL
Readings:	JT	DF	ES	JT	EB

Concentration %	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	10	10	10	10	10	29.1	29.4	30.1	30.6	30.8	25.3	23.8	24.0	24.2	24.2	8.1	6.0	6.4	7.0	7.5	7.86	7.78	8.01	7.99	8.10
	B	10	10	9	8	8																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10																				
10	A	10	10	10	10	10	28.8	29.1	29.4	30.2	30.8	25.5	22.9	24.4	24.1	24.2	7.5	6.1	6.2	7.0	7.6	7.99	7.81	7.94	8.08	8.15
	B	10	10	10	10	10																				
	C	10	10	10	10	10																				
	D	10	10	10	9	9																				
50	A	10	10	10	10	10	29.1	29.5	29.8	30.7	31.2	24.0	24.0	24.4	24.2	24.2	6.8	6.5	6.5	7.0	7.6	8.10	8.03	8.21	8.19	8.25
	B	10	10	10	10	9																				
	C	10	10	10	10	10																				
	D	10	10	10	10	10											6.1									
100	A	10	10	9	9	8	29.7	29.4	30.5	31.4	31.9	25.0	24.1	24.6	24.2	24.3	~~5.3~~ JT	6.3	5.0	6.9	7.5	8.14	8.19	8.10	8.27	8.35
	B	10	10	9	9	9																				
	C	10	10	10	10	9																				
	D	10	10	10	10	7																				
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									
	A																									
	B																									
	C																									
	D																									

Animal Source/Date Received: ABS | 11-13-07 Age at Initiation: 5 d.

	Feeding Times				
	0	24	48	72	96
AM:	—	0945	0730	0835	0730
PM:	1535	50	1445	1530	—

Comments: Test setup on AL
Animals fed prior to initiation

QC Check: JR 11/19/07

Final Review: NA 11/20/07

Bioaccumulation-Phase Test

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC

Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147

Site ID: Control

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	14.7	14.7	14.7	14.7	14.7	8.2	8.2	8.1	8.2	8.2	7.97	7.97	7.95	8.01	7.98	34.0	34.0	34.0	34.0	34.0	EG
1	16.7	17.1	16.6	17.1	17.2	7.6	7.6	7.5	7.7	7.6	7.96	7.96	7.93	7.99	7.97	34.2	34.0	34.1	34.1	34.1	DF
2	16.3	15.4	15.2	14.9	15.3	7.6	7.7	7.8	8.0	7.9	7.95	7.96	7.93	8.0	7.98	34.1	34.1	34.0	34.0	34.1	DF
3	16.9	15.3	15.2	14.9	15.3	7.0	7.1	7.0	7.7	7.6	7.91	7.93	7.94	7.99	7.98	34.5	34.0	34.1	34.2	34.9	DW
4	16.9	15.2	15.2	14.8	15.3	7.3	7.2	7.0	7.6	7.5	7.93	7.93	7.94	7.99	7.97	34.6	34.1	34.1	34.2	34.4	EG
5	10.5	13.4	15.7	14.7	15.6	8.8	8.3	7.6	8.0	7.7	8.06	8.02	7.97	8.02	7.99	33.7	34.2	34.6	34.0	34.5	ES
6	14.6	13.8	16.9	15.1	15.7	7.9	8.3	7.5	8.0	7.8	7.95	7.98	7.87	8.02	7.99	34.0	33.8	34.2	33.9	34.2	KF/KL
7*	16.7	14.7	17.0	16.1	16.6	7.4	8.2	7.6	8.1	7.7	7.96	7.99	7.97	8.04	8.00	34.1	33.7	34.4	33.9	34.2	ES
8	14.8	13.7	[illegible]	15.4	15.5	8.0	8.6	8.7	7.9	8.1	7.91	7.96	7.98	8.05	8.00	34.2	34.0	34.1	34.4	34.2	JT
9	15.0	15.1	14.4	15.4	15.4	8.0	7.9	8.3	8.1	8.3	7.95	7.95	7.95	8.04	7.98	33.7	34.1	33.9	34.4	34.2	NH/KL
10	14.5	14.9	14.6	15.0	14.7	7.9	7.7	7.7	7.6	7.8	7.96	7.99	7.99	8.06	8.01	33.8	34.1	34.0	34.2	34.1	NH
11	14.6	14.9	14.3	15.4	14.9	8.2	8.0	7.6	7.5	7.8	7.98	8.03	8.02	8.09	8.05	34.0	34.2	34.0	34.4	34.2	KL
12	14.8	15.4	14.2	15.8	14.9	8.1	7.6	7.8	7.5	7.5	7.96	8.00	7.99	8.06	7.99	34.7	34.6	34.5	34.8	34.6	DF
13	15.8	15.8	14.8	15.7	15.3	7.7	7.4	7.7	7.1	7.3	7.81	8.02	7.99	8.08	8.02	34.7	35.0	34.7	35.3	34.9	NH/EG
14*	15.7	15.3	14.8	15.8	15.4	8.2	8.2	8.3	8.2	8.2	7.94	7.95	7.95	8.04	7.98	34.9	35.0	34.4	35.4	34.7	ES/KL
15	15.3	15.4	14.6	15.5	15.4	7.8	7.9	8.2	7.9	8.0	7.97	7.99	8.00	8.09	8.01	34.8	34.8	34.7	35.5	34.6	NH/KL
16	16.3	16.3	16.4	17.3	16.4	8.1	7.9	8.0	7.9	8.0	7.99	7.99	8.01	8.10	8.03	34.9	34.8	34.8	35.0	34.8	DF
17	14.8	14.9	14.5	14.8	14.9	8.2	7.6	7.8	8.3	8.0	7.97	7.91	8.02	8.06	8.03	34.8	34.6	35.2	34.9	34.4	SW
18	14.9	13.5	14.2	12.6	14.6	8.2	8.2	8.2	8.6	8.2	8.01	7.96	8.01	8.02	8.01	35.0	35.1	35.4	35.0	35.5	KL/EG
19	14.4	13.6	14.0	12.6	14.6	8.0	8.1	7.7	8.5	8.1	7.97	7.97	7.98	8.02	7.99	35.4	35.2	35.3	35.2	35.6	KF
20	15.5	17.2	15.1	16.8	15.8	8.3	7.8	8.2	7.9	8.1	7.94	7.91	7.94	8.00	7.96	34.8	35.4	34.9	35.6	35.1	DF/NH
21*	15.5	14.7	15.0	17.8	16.0	8.2	8.0	8.0	7.6	7.9	8.05	8.03	8.05	8.16	8.06	35.8	35.6	35.6	35.9	35.7	DW
22	16.8	15.9	15.8	16.7	16.9	7.7	8.0	8.0	7.8	7.6	7.97	7.98	8.00	8.06	8.03	35.5	35.2	35.3	35.5	35.5	NH
23	14.5	14.9	14.8	14.7	14.5	8.3	8.2	8.3	8.3	8.3	8.05	8.04	8.02	8.07	8.00	35.3	35.3	35.3	35.3	35.3	KF
24	13.8	14.3	14.0	13.6	13.5	8.7	8.5	8.4	8.6	8.3	8.00	8.01	8.02	8.06	8.03	35.1	35.2	35.2	35.2	35.3	DF
25	16.0	15.8	15.0	14.5	14.5	8.0	8.2	8.3	8.4	8.5	7.96	7.97	7.96	8.01	8.00	34.4	34.8	34.9	35.1	35.4	EG/KL
26	15.7	14.6	13.5	13.7	14.5	7.9	8.3	8.6	8.6	8.4	7.93	7.96	7.80	8.00	7.97	35.8	35.2	35.2	35.5	35.6	KF/DF
27	16.2	15.3	14.2	14.1	14.8	7.6	8.0	8.2	8.2	7.9	8.00	7.98	7.94	8.03	8.03	35.7	35.2	35.0	35.3	35.4	NH
28*	15.9	15.7	15.0	16.2	15.1	8.5	8.4	8.5	8.4	8.6	8.01	7.96	7.98	8.09	8.02	36.1	35.2	35.3	35.7	35.5	EG/NH

Comments: * Collect NH_3 Samples

QC Check: JR 12/21/07

Final Review: Ma 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / Amec

Test Species: *Macoma nasuta & Nereis virens*

Project ID: Berth 145-147

Site ID: Control

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/07 1000

Day	Temperature (°C) F	Temperature (°C) G	Dissolved Oxygen (mg/L) F	Dissolved Oxygen (mg/L) G	pH (units) F	pH (units) G	Salinity (ppt) F	Salinity (ppt) G	Analyst
0*									
1	16.4*	17.1*	7.6	7.5	7.97	7.93	34.1	34.1	DF
2	14.3	13.6*	8.1	8.2	7.98	7.95	33.9	34.0	DF
3	14.7	16.0	8.0	7.0	7.99	7.92	33.9	34.5	DW
4	14.5	16.0	7.8	7.8	8.02	7.96	34.1	34.3	EG
5	14.3	16.2	8.0	7.6	8.01	7.93	33.9	34.4	ES
6	14.5	16.5	8.1	7.5	8.02	7.93	34.0	34.2	KL/KF
7*	15.4	16.9	8.2	7.5	8.02	7.96	33.8	34.4	ES
8	14.9	12.3	8.2	8.8	8.03	8.00	34.2	34.0	JT
9	14.7	13.3	8.3	8.5	8.02	7.97	34.1	33.8	NH/KL
10	14.3	10.6*	7.8	9.0	8.06	8.04	34.1	33.5	NH
11	14.7	16.5	7.8	7.3	8.08	8.02	34.2	34.3	KL
12	15.0	17.5*	7.4	6.9	8.04	8.02	34.6	34.9	DF
13	15.0	12.5*	7.3	8.3	8.03	8.01	34.9	34.7	NH/EG
14*	15.0	13.0	8.3	8.7	7.99	7.93	34.6	34.4	ES/KL
15	15.0	16.0	8.1	7.8	8.04	7.98	34.8	35.0	NH/KL
16	16.0	17.1	8.1	7.6	8.04	7.99	34.8	35.0	DF
17	15.5	15.4	7.8	8.3	8.00	8.05	35.4	34.5	SO
18	15.5	11.7*	8.0	8.3	8.08	8.04	35.5	35.0	KL/EG
19	16.0	16.4	7.9	7.5	8.05	7.96	35.7	35.4	KF/NA
20	16.4	16.8	8.0	7.7	8.01	7.96	35.5	35.0	DF/NH
21*	16.8	17.5*	7.4	7.4	8.12	8.06	35.8	35.8	DW
22	16.5	17.0	7.7	7.7	8.06	8.00	35.3	35.5	NH
23	15.6	13.8*	7.8	8.4	8.07	7.96	35.4	35.2	KF
24	14.7	15.7	8.2	7.8	8.06	7.95	35.5	35.6	DF
25	14.7	16.7	8.4	8.0	8.03	7.93	35.5	35.5	KL/EG
26	14.6	16.6	8.4	7.6	7.99	7.61	35.6	35.7	KF/DF
27	14.9	15.0	7.9	7.3	8.05	7.86	35.2	35.9	EG/NH
28*	15.1	16.5	8.7	8.2	8.03	7.85	35.6	35.9	EG/NH

Comments: * Collect NH_3 Samples * turned air down or up

QC Check: JR 12/21/07

Final Review: NA 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC
Test Species: *Macoma nasuta/Nereis virens*
Project ID: Berth 145-147
Site ID: Site 1C
Start Date/Time: 11/14/2007 1000
End Date/Time: 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	15.0	14.3	14.0	13.7	14.9	7.7	8.1	8.0	8.1	8.1	7.95	7.95	7.96	7.95	7.93	34.1	34.0	34.0	34.1	34.0	EG
1	15.3	14.6	14.4	14.0	15.4	7.6	7.8	7.6	8.0	7.7	7.91	7.86	7.82	7.88	7.87	34.0	34.0	34.0	34.1	34.1	DF
2	16.0	15.0	14.8	14.6	15.5	7.7	7.5	7.5	7.7	7.5	7.89	7.83	7.79	7.87	7.88	34.0	34.0	34.0	34.0	34.2	DF
3	16.2	15.1	15.4	15.3	15.6	7.0	7.1	7.0	7.3	7.0	7.91	7.84	7.78	7.89	7.91	34.2	34.0	34.4	34.2	34.5	DW
4	16.0	15.1	15.3	15.2	15.7	7.3	7.1	7.0	7.3	7.0	7.92	7.89	7.76	7.89	7.90	34.3	34.0	34.2	34.2	34.3	EG
5	14.4	14.6	15.5	15.6	15.6	7.8	7.5	7.1	7.4	7.7	7.92	7.84	7.81	7.76	7.89	33.9	34.1	34.5	34.3	34.3	ES
6	14.7	15.1	15.8	15.7	15.6	7.9	7.5	6.9	7.5	7.7	7.91	7.82	7.73	7.83	7.88	34.0	34.2	34.5	34.3	34.3	KE/KL
7*	15.6	15.4	15.8	16.0	15.9	7.7	7.7	7.4	7.3	7.7	7.91	7.83	7.77	7.83	7.90	34.0	34.0	34.6	34.3	34.3	ES
8	15.6	15.4	15.7	15.8	16.0	8.1	7.9	7.6	7.5	7.5	7.92	7.79	7.81	7.84	7.89	34.2	34.2	34.6	34.5	34.5	JT
9	15.5	15.0	15.3	15.2	15.3	8.1	8.2	8.1	8.0	8.1	7.88	7.79	7.79	7.86	7.88	34.1	34.2	34.7	34.5	34.6	NH/KL
10	14.8	14.6	14.7	14.9	14.9	7.9	7.7	7.6	7.5	7.7	7.94	7.84	7.84	7.89	7.93	34.1	34.2	34.6	34.5	34.6	NH
11	14.0	14.1	14.6	14.8	14.8	7.7	7.9	7.6	7.6	7.6	7.96	7.89	7.85	7.88	7.94	34.2	34.3	34.9	34.6	34.6	KL
12	14.0	14.3	14.9	14.9	14.9	7.9	7.3	7.0	6.7	6.8	7.91	7.82	7.75	7.84	7.90	34.6	34.7	35.3	35.0	35.0	DF
13	14.7	14.6	15.1	15.3	15.4	7.3	7.1	6.8	6.9	6.9	7.94	7.81	7.82	7.87	7.90	34.7	35.1	35.8	35.5	35.6	NH/EG
14*	15.4	14.7	14.4	14.3	13.4	8.0	7.9	7.8	8.0	7.0	7.88	7.77	7.81	7.83	7.86	35.2	34.9	35.2	34.4	34.8	ES/KL
15	15.6	14.0	12.4	13.0	13.4	7.8	7.8	8.1	8.0	8.2	7.87	7.81	7.90	7.88	7.93	35.0	34.6	34.8	35.0	35.0	NH/KL
16	16.6	14.8	15.1	14.9	15.9	7.8	7.4	7.4	7.8	7.9	7.89	7.76	7.72	7.84	7.85	35.0	34.7	35.0	35.0	35.0	DF
17	14.6	14.0	14.3	15.5	15.4	8.0	7.8	7.2	7.2	7.4	7.88	7.82	7.80	7.85	7.89	35.0	35.3	35.8	35.3	35.4	DJ
18	13.2	13.7	14.7	14.6	15.1	8.3	7.9	7.5	7.7	7.8	7.95	7.77	7.78	7.83	7.88	35.0	35.4	35.8	35.3	35.5	KL/EG
19	12.9	13.6	14.6	14.2	14.8	8.4	7.7	7.6	7.8	7.8	7.88	7.74	7.76	7.82	7.84	34.9	35.4	35.8	35.4	35.9	~~KE~~ NA/KF
20	15.6	14.3	14.8	14.5	15.2	7.9	7.9	7.7	7.8	7.9	7.82	7.74	7.75	7.80	7.86	35.2	35.1	36.0	35.2	36.1	DF/NH
21*	16.1	14.5	14.8	15.0	15.8	7.5	7.8	7.4	7.6	7.4	7.94	7.84	7.80	7.81	7.88	35.7	35.7	36.0	35.7	36.4	DW
22	17.1	15.5	15.9	16.0	16.1	7.3	7.3	7.4	7.3	7.5	7.86	7.75	7.84	7.75	7.80	35.5	35.2	35.7	35.5	36.0	NH
23	14.7	13.5	14.3	13.5	14.1	8.2	7.6	7.6	7.3	8.0	7.89	7.66	7.82	7.85	7.72	35.3	35.3	35.6	35.3	35.5	KE
24	14.2	14.8	14.8	~~14~~ 15.2	15.3	8.4	7.0	7.4	7.5	7.7	7.93	7.70	7.78	7.78	7.85	35.2	35.5	35.5	35.5	35.6	DF
25	14.3	14.3	13.9	13.4	13.4	8.3	8.4	8.1	8.4	8.4	7.84	7.70	7.78	7.81	7.73	34.7	35.2	35.6	35.1	34.5	KL/EG
26	14.0	13.9	13.6	12.5	13.5	8.3	7.9	8.1	7.9	8.0	7.87	7.69	7.58	7.63	7.48	35.6	35.6	35.4	35.4	35.7	KF/DF
27	14.6	14.3	14.7	14.7	14.1	7.9	7.4	7.4	7.1	7.7	7.86	7.69	7.76	7.68	7.80	35.3	35.5	35.8	35.6	35.6	NH
28*	14.3	14.3	14.4	12.5	13.7	8.4	8.1	7.9	8.6	8.5	7.75	7.62	7.56	7.81	7.67	35.4	35.7	35.9	35.5	35.9	EG/NH

Comments: * Collect NH_3 Samples

QC Check: JR 12/21/07

Final Review: Na 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC

Project ID: Berth 145-147

Start Date/Time: 11/14/2007 1000

Test Species: *Macoma nasuta/Nereis virens*

Site ID: Site 2C

End Date/Time: 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	15.3	14.9	14.1	12.8*	14.9	8.1	8.0	8.3	8.4	7.9	7.98	7.99	7.98	7.97	7.99	34.1	34.1	34.0	34.0	34.3	EG
1	15.8	15.3	14.7	14.5	15.6	7.6	7.8	8.0	7.9	7.7	7.86	7.93	7.95	7.89	7.91	34.0	34.0	34.0	34.0	34.1	DF
2	15.9	15.5	14.9	14.2	15.5	7.4	7.6	7.8	7.8	7.6	7.85	7.94	7.95	7.89	7.93	34.0	34.0	34.0	34.0	34.1	DF
3	15.8	15.6	14.9	14.3	15.6	6.5	7.0	7.3	7.2	7.3	7.83	7.94	7.96	7.93	7.95	34.1	34.1	34.1	34.1	34.5	DW
4	15.9	15.5	14.9	14.2	15.6	6.6	7.1	7.3	7.4	7.3	7.85	7.96	7.96	7.95	7.95	34.1	34.2	34.1	34.1	34.4	EG
5	15.7	15.4	15.0	14.1	15.7	7.4	7.7	7.8	8.0	7.6	7.89	7.94	7.96	7.94	7.91	34.1	33.9	33.9	33.8	34.5	ES
6	15.7	15.1	14.6	13.9	15.8	7.5	7.7	7.9	7.9	7.5	7.89	7.94	7.96	7.93	7.93	34.1	34.0	34.0	33.9	34.3	KF/KL
7*	16.4	15.6	15.2	14.7	16.7	7.5	7.7	7.9	8.0	7.4	7.85	7.89	7.96	7.91	7.90	34.0	33.9	33.8	33.8	34.3	ES
8	16.6	15.4	15.2	14.6	15.8	8.2	7.8	7.9	8.1	7.8	7.85	7.95	7.98	7.93	7.92	34.2	34.0	34.2	34.0	34.5	JT
9	14.7	14.3	15.1	14.3	15.9	8.1	8.3	8.2	8.3	7.8	7.87	7.93	7.93	7.89	7.88	34.0	34.0	34.5	34.0	34.3	NH/KL
10	15.0	14.3	14.7	14.0	14.9	7.6	7.7	7.8	7.8	7.4	7.86	7.95	7.97	7.94	7.91	34.0	34.0	34.3	34.0	34.5	NH
11	14.7	14.2	14.4	14.1	14.7	7.6	7.5	7.8	7.7	7.4	7.84	7.97	7.98	7.96	7.89	34.2	34.1	34.3	34.0	34.5	KL
12	15.3	14.2	14.9	14.1	15.4	6.6	8.5	8.0	7.8	7.3	7.81	7.89	7.93	7.89	7.86	34.5	34.5	34.7	34.5	34.8	DF
13	15.6	14.6	15.1	14.4	15.5	7.0	7.3	6.9	7.2	6.7	7.83	7.90	7.92	7.90	7.87	34.9	34.8	35.2	34.7	35.3	NH/EG
14*	15.1	15.0	14.9	14.3	15.4	7.4	7.6	8.0	8.1	7.8	7.71	7.88	7.91	7.89	7.84	35.3	34.6	35.2	34.6	35.7	KL/ES
15	15.4	14.7	14.9	14.2	15.6	7.5	7.8	8.0	8.0	7.4	7.83	7.92	7.95	7.90	7.87	34.9	34.7	35.0	34.6	35.0	NH/KL
16	16.3	15.5	15.8	15.0	16.7	7.8	8.2	8.3	8.4	7.5	7.79	7.87	7.92	7.88	7.93	34.9	34.8	35.0	34.8	35.0	DF
17	14.0	14.2	14.3	15.5	14.7	8.1	7.7	7.6	7.5	7.3	7.97	7.93	7.95	7.94	7.85	35.0	35.6	35.9	35.1	35.0	
18	15.3	14.7	14.9	13.6	14.2	7.7	7.8	7.9	7.9	7.8	7.86	7.93	7.94	7.91	7.89	35.4	35.2	35.4	35.3	35.4	KL/EG
19	15.6	15.0	14.7	13.5	14.0	7.6	7.5	7.8	8.1	7.9	7.81	7.84	7.84	7.86	7.83	35.3	35.3	35.4	35.1	35.4	KF/NA
20	16.4	15.7	15.1	13.8	14.3	7.7	7.3	8.0	8.2	7.9	7.80	7.72	7.84	7.85	7.78	35.2	35.3	35.4	35.0	35.4	DF/NH
21*	17.2	16.3	15.6	14.3	14.7	6.9	7.1	8.0	8.0	7.8	7.73	7.88	8.00	7.96	7.90	35.6	35.7	35.8	35.8	35.6	DW
22	17.7	17.3	16.8	15.8	16.1	6.7	7.0	7.7	7.6	7.5	7.79	7.85	7.95	7.88	7.88	35.5	35.5	35.5	35.2	35.4	NH
23	15.5	13.7	14.0	15.1	16.0	7.9	8.0	8.3	7.9	7.6	7.80	7.94	7.82	7.84	7.8	35.5	35.2	35.4	35.5	35.2	KF/ES
24	15.2	16.3	15.2	14.6	14.8	7.9	7.6	7.9	8.1	8.0	7.92	7.90	7.96	7.94	7.89	35.2	35.4	35.2	35.1	35.3	
25	14.2	14.3	14.0	14.3	14.5	8.1	8.1	8.3	8.3	8.2	7.79	7.86	7.75	7.86	7.86	35.5	34.9	35.5	35.5	35.5	KL/EG
26	14.1	12.7	13.6	13.9	14.6	8.2	8.4	8.5	8.4	8.0	7.85	7.90	7.72	7.72	7.80	35.5	35.4	35.6	35.6	35.6	KF/DF
27	15.2	15.5	14.7	14.7	15.0	7.5	7.4	7.9	7.5	7.5	7.90	7.86	7.98	7.88	7.91	35.3	35.7	35.2	35.5	35.6	NH
28*	14.8	15.9	15.6	15.8	15.7	8.3	8.0	8.6	8.4	8.3	7.75	7.71	7.63	7.75	7.58	35.6	35.9	35.4	35.8	35.5	EG/NH

Comments: * Collect NH_3 Samples

QC Check: JR 12/21/07

Final Review: 1/4/08 NA

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC **Project ID:** Berth 145-147 **Start Date/Time:** 11/14/2007 1000

Test Species: *Macoma nasuta/Nereis virens* **Site ID:** Site UC **End Date/Time:** 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	14.2	14.3	14.0	14.7	14.6	8.2	8.1	8.2	8.2	8.0	7.98	7.97	7.99	7.98	7.99	33.9	33.7	33.7	34.0	33.9	EG
1	14.8	14.7	14.4	15.0	15.7	8.1	7.5	8.2	7.9	7.8	7.88	7.78	7.93	7.95	8.01	33.8	33.7	33.8	33.9	33.9	DF
2	15.3	15.3	14.9	15.3	16.8*	7.8	7.2	7.7	7.6	7.4	7.92	7.76	7.93	7.91	7.97	33.8	33.8	33.8	34.1	34.0	DF
3	15.4	15.2	14.9	15.5	16.1	7.3	7.1	7.6	7.4	7.2	7.89	7.80	7.95	7.93	7.96	34.0	34.0	34.1	34.2	34.0	DW
4	15.5	15.2	14.9	15.5	15.8	7.2	7.2	7.5	7.5	7.3	7.87	7.82	7.89	7.92	7.95	34.0	34.0	34.2	34.2	34.0	EG
5	16.1	15.4	14.9	16.0	12.8	6.9	7.1	7.8	7.4	8.3	7.77	7.78	7.92	7.98	7.98	34.0	33.8	34.6	34.3	33.8	ES
6	16.0	15.0	14.7	16.0	15.1	7.4	7.2	7.9	7.6	7.9	7.83	7.76	7.92	7.91	7.96	34.0	34.0	34.0	34.4	34.0	KF/KL
7*	16.2	15.5	15.5	16.2	16.1	7.3	7.2	7.7	7.7	7.8	7.80	7.75	7.94	7.93	8.00	34.0	33.8	34.0	34.5	34.1	ES
8	16.4	15.4	15.4	16.1	16.3	7.5	7.2	7.2	7.3	7.4	7.83	7.75	7.91	7.93	8.01	34.2	34.0	34.2	34.8	34.3	JT
9	12.7*	14.2	13.8	13.1	13.9	8.3	7.9	8.1	8.6	8.2	7.93	7.75	7.92	7.96	8.01	~~33.2~~ 34.0	34.4	34.3	34.1	34.5	NH/KL
10	14.8	14.5	13.2	12.6*	13.3	7.4	7.3	7.5	7.5	7.7	7.80	7.77	7.96	7.99	8.05	34.2	34.2	34.2	34.2	34.3	NH
11	14.7	15.0	14.3	14.3	14.0	7.4	7.5	7.6	7.6	7.8	7.90	7.79	7.97	7.98	8.04	34.5	34.2	34.0	34.6	34.1	KL
12	15.5	14.7	13.4*	14.8	14.0	7.5	7.5	7.7	7.5	7.7	7.84	7.73	7.92	7.92	7.98	34.6	34.6	34.5	34.9	34.6	DF
13	15.6	15.0	15.2	15.4	14.3	~~34.5~~	6.3	6.5	6.6	7.2	7.54	7.73	7.84	7.91	7.99	35.2	35.4	35.2	35.4	34.9	NH/EG
14*	15.6	13.8	14.2	13.5	13.9	8.3	8.0	7.9	8.3	8.3	7.60	7.77	7.82	7.88	7.92	35.0	35.3	35.5	35.0	35.3	KL/ES
15	13.6	14.7	14.3	13.5	14.1	7.1	6.8	8.2	8.2	8.2	7.77	7.70	7.97	7.95	8.00	34.6	35.1	34.8	34.8	35.0	NH/KL
16	14.6	15.5	15.7	16.0	15.5	7.9	7.2	8.3	8.2	8.5	7.79	7.64	7.88	7.87	7.95	34.6	35.0	35.0	35.0	34.9	DF
17	14.0	15.8	16.0	14.4	15.5	~~14.8~~	6.2	6.9	7.0	7.5	7.70	7.64	7.87	7.87	7.99	35.0	~~35.2~~ 35.3	35.9	35.6	35.3	SS
18	13.1	13.1	13.8	14.9	14.3	8.2	7.7	7.9	7.7	7.9	7.94	7.80	7.92	7.91	7.98	35.4	35.4	35.6	35.8	35.2	KL/EG
19	12.7	12.7	13.2	13.8	14.0	8.3	7.8	8.2	7.9	7.0	7.86	7.72	7.87	7.92	7.83	35.0	35.3	35.4	35.7	35.4	KF/NA
20	15.3	14.9	13.3	13.0	14.3	7.8	8.3	8.3	8.5	8.3	7.79	7.59	7.87	7.85	7.95	35.2	35.3	35.1	35.3	35.5	DF/NA
21*	16.0	15.6	14.3	15.0	14.9	7.6	7.3	8.3	7.9	8.0	7.83	7.91	7.97	7.99	8.02	35.7	35.8	35.7	35.8	35.8	DW
22	16.0	16.7	15.9	16.2	15.9	7.0	7.4	7.6	7.2	8.0	7.76	7.67	7.92	7.80	7.99	35.6	35.5	35.3	35.6	35.4	NH/KC
23	14.9	14.7	14.6	14.6	14.0	8.1	8.2	8.3	8.2	8.4	7.79	7.80	7.85	7.78	7.96	35.2	35.4	35.5	35.7	35.4	KF/ES
24	14.0	13.6	13.6	13.8	13.0	8.3	8.4	8.5	8.1	8.6	7.88	7.93	7.98	7.90	7.97	35.2	35.4	35.5	35.5	35.1	DF
25	13.9	13.2	13.1	13.7	13.4	7.9	8.3	8.4	8.4	8.5	7.59	7.65	7.70	7.62	7.92	34.4	35.1	34.4	35.6	35.3	KL/EG
26	14.1	14.3	14.3	14.6	14.4	8.2	8.1	8.2	8.1	8.3	7.75	7.66	7.84	7.63	7.89	35.5	35.7	35.7	35.8	35.6	KF/DF
27	15.6	15.1	15.0	15.0	14.8	7.2	7.6	7.7	7.7	7.9	7.77	7.90	7.93	7.88	8.02	35.5	35.7	35.7	35.9	35.7	NH
28*	15.1	15.1	N.A	15.0	N.A	8.2	9.2	9.4	8.2	8.3	7.51	7.73	7.70	7.62	7.73	35.8	35.4	36.0	36.1	35.8	EG/NH

Comments: * Collect NH_3 Samples * Turned drip down Airline was out replaced

QC Check: JR 12/21/07 **Final Review:** MA 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC

Project ID: Berth 145-147

Start Date/Time: 11/14/2007 1000

Test Species: *Macoma nasuta/Nereis virens*

Site ID: Site LC

End Date/Time: 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	14.2	14.9	14.8	15.0	14.9	8.4	8.1	8.1	7.7	7.9	7.96	8.00	7.98	7.98	7.97	34.0	34.1	34.1	34.1	34.0	EG
1	15.0	15.4	14.9	15.3	18.0*	8.0	7.8	7.8	7.9	7.2	7.96	7.93	7.88	7.92	7.89	34.0	34.1	34.1	34.1	34.2	DF
2	15.4	15.5	15.2	15.5	16.3*	7.7	7.6	7.7	7.7	7.2	7.91	7.88	7.91	7.91	7.84	33.9	34.1	34.0	34.1	34.1	DF
3	15.6	16.4	15.3	15.4	16.3	7.5	7.1	7.7	7.4	7.2	7.92	7.89	7.93	7.93	8.02	34.0	34.4	34.2	34.3	34.5	DW
4	15.6	16.1	15.2	15.5	15.9	7.6	7.2	7.6	7.6	7.3	7.95	7.90	7.92	7.92	7.99	34.0	34.4	34.4	34.4	34.6	EG
5	15.1	15.9	15.5	15.3	16.4	7.7	7.5	7.6	7.6	7.5	7.88	7.84	7.92	7.92	7.97	33.8	34.4	34.1	34.0	34.3	ES
6(A)	14.9	15.8	15.3	15.0	16.3	3.1	7.4	7.8	7.8	7.7	7.55	7.86	7.91	7.91	7.99	34.0	34.3	34.2	34.1	34.3	KF/KL
7*	15.7	16.1	16.7	15.6	16.6	7.9	7.9	7.7	7.8	7.8	7.94	7.85	7.92	7.92	8.01	33.9	34.3	34.1	34.1	34.3	ES
8	15.9	16.0	14.0	15.1	16.4	7.9	7.8	8.1	7.8	7.5	7.96	7.87	7.96	7.94	8.03	34.1	34.5	34.0	34.4	34.6	JT
9	15.2	15.6	13.6	14.7	13.2	8.2	7.9	8.5	8.2	8.5	7.92	7.88	7.91	7.90	7.90	34.0	34.6	34.0	34.6	33.9	NH/KL
10	14.9	15.0	13.2	13.9	12.8*	7.5	7.4	7.9	7.9	8.0	7.96	7.92	7.97	7.96	8.01	34.2	34.6	34.2	34.4	34.2	NH
11	15.0	15.1	15.0	14.2	15.5	7.4	7.5	7.9	8.0	8.1	7.96	7.93	7.95	7.97	8.03	34.4	34.8	34.2	34.3	34.4	KL
12	15.5	15.4	14.6	14.6	16.3*	7.4	7.1	7.6	7.5	7.8	7.89	7.90	7.92	7.93	7.98	34.7	35.2	34.6	34.8	34.9	DF
13	15.6	15.3	14.8	14.8	13.5	7.0	7.1	7.1	7.4	7.6	7.90	7.81	7.86	7.92	7.97	35.2	35.4	35.0	35.2	34.9	NH/EG
14*	15.5	15.5	14.9	14.8	13.6	7.8	7.5	7.8	7.9	8.4	7.82	7.19	7.82	7.86	7.96	35.3	35.7	35.0	35.2	34.7	KL/ES
15	15.6	15.5	14.9	14.7	13.6	7.6	6.6	7.7	7.9	8.3	7.92	7.67	7.91	7.94	7.95	35.1	35.5	35.0	35.0	34.6	NH/KL
16	16.5	16.5	15.9	15.7	14.8	8.2	6.5	8.2	8.4	8.6	7.93	7.62	7.86	7.87	7.95	35.0	35.5	35.0	35.0	34.7	DF
17	14.3	14.4	14.4	15.6	15.5	7.8	7.3	7.3	7.4	7.6	7.85	7.70	7.88	7.88	7.95	35.2	35.4	35.8	35.5	35.0	SD
18	13.6	13.6	14.8	14.6	13.3	7.8	7.6	7.6	7.8	7.9	7.84	7.73	7.84	7.86	7.95	35.4	35.4	35.9	35.6	35.1	KL/EG
19	13.6	13.4	14.7	14.4	13.2	7.7	7.4	7.9	7.9	8.2	7.72	7.76	7.84	7.84	7.86	35.1	35.3	35.7	35.5	35.0	KF/NA
20	14.3	13.9	14.9	14.8	13.5	7.5	7.6	7.8	8.0	8.3	7.70	7.70	7.81	7.82	7.85	35.1	35.2	35.9	35.6	35.0	DF/NH
21*	14.7	14.9	15.5	15.3	13.8	7.5	7.2	7.6	7.6	8.1	7.79	7.74	7.97	7.92	7.89	35.6	35.7	36.1	36.0	35.6	DW
22	16.5	16.3	16.7	16.4	14.9	7.0	6.9	7.5	7.4	7.5	7.71	7.69	7.94	7.82	7.81	35.2	35.5	36.0	35.7	35.1	NH
23	15.5	14.8	13.9	15.4	14.8	7.1	7.6	7.8	7.8	8.2	7.61	7.68	7.88	7.73	7.81	35.3	35.3	35.1	35.6	35.2	KF/ES
24	14.6	13.9	12.7	14.3	13.7	7.2	7.9	8.6	8.1	8.1	7.71	7.89	7.96	7.87	7.91	35.2	35.2	35.3	35.5	35.3	DF
25	15.0	14.4	11.8*	13.1	14.1	8.0	7.9	8.6	8.3	8.2	7.68	7.80	7.86	7.78	7.66	35.2	35.1	34.9	35.1	35.7	KL/EG
26	13.2	13.7	13.9	14.2	14.6	6.6	8.3	8.3	8.2	8.2	7.82	7.82	7.64	7.55	7.65	35.5	35.4	35.6	35.7	35.7	KF/DF
27	15.1	15.3	15.0	14.6	14.9	~~8.3~~	6.3	7.4	7.6	7.8	7.96	7.79	7.92	7.87	7.97	~~35.3~~	35.7	35.6	35.7	35.7	NH
28*	14.7	15.5	14.9	15.1	15.0	8.2	~~5.3~~	6.2	8.2	8.3	7.71	7.71	7.65	7.63	7.78	35.6	36.0	35.8	36.0	35.7	EG/NH

Comments: * Collect NH_3 Samples (A) Airstone fell out of rep A, replaced

*Turned drip down

QC Check: JR 12/21/07

Final Review: Ua 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC
Project ID: Berth 145-147
Start Date/Time: 11/14/2007 1000
Test Species: *Macoma nasuta/Nereis virens*
Site ID: Reference Site
End Date/Time: 12/12/2007 1000

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
0*	15.6	15.3	14.2	14.3	14.3	7.8	7.9	8.1	8.3	8.1	7.97	7.96	7.96	7.97	7.95	34.2	34.1	34.0	34.1	34.1	EG
1	16.6	15.7	14.1	14.9	15.3	7.7	7.9	8.1	8.0	7.2	7.89	7.93	7.88	7.92	7.81	34.1	34.1	33.9	34.1	34.1	JR
2	14.2	15.4	14.3	15.2	15.5	7.8	7.7	7.8	7.6	7.4	7.94	7.94	7.89	7.92	7.86	34.0	34.3	39.9	34.2	34.1	DF
3	14.7	15.4	14.2	15.3	15.4	7.8	7.5	7.4	7.7	6.6	7.95	7.97	7.92	7.95	7.90	33.9	34.5	34.1	34.0	34.3	DW
4	14.8	15.4	14.3	15.3	15.5	7.8	7.6	7.5	7.6	7.3	7.95	7.96	7.93	7.95	7.90	34.0	34.6	34.2	34.1	34.3	EG
5	14.3	15.3	14.0	14.9	15.6	8.2	7.7	8.0	8.0	7.5	7.96	7.88	7.91	7.96	7.87	33.9	34.5	33.9	34.3	34.3	ES
6	14.3	15.4	14.3	15.1	15.6	8.0	7.7	7.8	7.9	7.4	7.95	7.95	7.88	7.97	7.86	33.9	34.3	34.0	34.3	34.1	KF/KL
7*	15.0	15.9	~~16~~ 15.0	15.5	16.0	8.0	7.7	7.8	7.9	7.4	7.92	7.96	7.89	7.98	7.87	33.8	34.6	33.9	34.1	34.2	ES
8	14.3	15.9	14.9	15.3	15.9	8.1	7.8	8.0	7.8	7.8	7.92	8.00	7.90	7.99	7.88	34.4	34.8	34.1	34.5	34.4	JT
9	14.7	15.7	14.4	15.0	15.5	8.1	7.9	8.2	8.1	7.9	7.94	7.97	7.88	7.96	7.85	34.1	35.0	33.9	34.6	34.5	NH/KL
10	14.2	15.2	14.0	14.1	14.5	8.0	7.7	7.9	7.8	7.7	7.99	8.00	7.95	8.02	7.91	34.2	34.9	34.2	34.6	34.4	NH
11	14.3	15.1	15.2	14.7	15.0	8.3	7.7	7.6	7.7	7.6	8.00	8.01	7.93	7.99	7.92	34.2	35.0	34.1	34.5	34.4	KL
12	14.6	15.5	15.6	15.2	15.2	7.8	7.4	7.5	7.6	7.6	7.95	7.96	7.87	7.92	7.85	34.5	35.4	34.8	34.9	34.7	DF
13	15.7	15.6	15.6	15.3	15.3	7.0	7.1	7.0	7.3	7.0	7.98	8.00	7.90	7.97	7.86	35.0	35.9	35.3	35.3	35.2	NH/EG
14*	15.4	15.6	15.0	15.1	14.9	8.1	8.2	8.2	8.0	7.8	7.94	7.94	7.94	7.86	7.79	35.6	35.3	35.9	35.6	35.3	ES/KL
15	15.9	15.2	15.3	15.1	14.8	7.9	7.8	7.9	6.8	7.7	7.96	7.97	7.89	7.68	7.84	35.0	34.9	36.1	35.0	34.9	NH/KL
16	15.9	16.0	15.9	15.5	15.3	8.2	8.1	7.9	8.1	7.5	7.97	7.97	7.91	8.01	7.84	35.1	35.0	35.1	35.1	34.8	DF
17	15.3	15.9	15.9	15.3	15.0	7.7	7.6	7.7	7.7	7.5	7.96	7.95	7.91	7.97	7.89	35.9	35.9	35.5	35.7	35.3	SD
18	14.6	15.1	14.7	14.3	14.2	7.9	7.9	7.9	8.1	7.9	7.96	7.95	7.90	8.02	7.88	35.8	35.9	35.4	35.7	35.4	KL/EG
19	14.8	15.0	14.6	14.4	13.8	7.9	7.9	7.8	8.1	8.0	7.92	7.91	7.88	7.96	7.85	35.5	35.9	35.4	35.7	35.2	KF/NA
20	15.8	15.9	15.3	15.0	14.6	8.0	8.0	8.0	8.2	8.0	7.88	7.88	7.83	7.92	7.78	35.3	35.9	35.2	35.7	35.2	DF/NH
21*	16.3	16.5	16.0	15.5	15.3	8.0	7.7	7.8	7.5	7.6	7.98	7.95	7.91	8.00	7.87	36.1	36.5	35.8	36.2	35.7	DW
22	17.3	16.4	16.9	16.7	16.8	7.5	7.5	7.5	7.7	7.3	7.94	7.93	7.87	7.96	7.83	36.0	36.0	35.7	36.0	35.5	NH
23	14.8	14.0	14.7	14.8	15.6	8.1	7.7	8.0	8.2	7.6	7.96	7.96	7.84	7.99	7.84	35.5	35.5	35.5	35.5	35.5	KF
24	14.0	15.3	14.4	14.0	14.8	8.5	8.1	8.3	8.3	7.6	7.97	7.96	7.92	7.98	7.88	35.1	35.6	35.2	35.5	35.5	DF
25	14.4	14.8	15.6	13.8	13.8	8.3	8.0	8.2	8.4	8.3	7.94	7.89	7.87	7.94	7.87	34.9	35.9	34.7	35.2	34.4	KL/EG
26	14.5	15.3	13.5	13.7	13.9	8.2	8.0	8.4	8.5	8.1	7.87	7.84	7.86	7.90	7.84	35.5	36.1	35.2	35.7	35.6	KF/DF
27	15.0	15.6	15.5	14.8	7.4	7.9	7.5	7.6	7.9	7.5	7.91	7.86	7.82	7.94	7.79	35.3	36.2	35.5	35.6	35.2	NH
28*	14.3	15.2	15.3	14.9	15.1	8.5	8.2	7.9	8.3	8.2	7.77	7.64	7.56	7.74	7.66	35.8	37.1	36.5	35.9	35.0	EG/NH

Comments: * Collect NH_3 Samples (A) dead clam found

QC Check: JR 12/21/07

Final Review: Mn 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA/AMEC

Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147

Site ID: Control

Start Date/Time: 11/14/2007 ~~1700~~ 1000

End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	14.2	13.3	13.8	14.1	13.5	8.1	8.0	8.0	8.0	7.9	7.91	8.02	7.95	7.96	8.00	35.7	35.5	35.7	35.4	35.4	JK

Comments:

QC Check: JR 12/21/07

Final Review: MA 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA AMEC

Test Species: *Macoma /Nereis*

Project ID: Berth 145-147

Site ID: Control

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1700

Day	Temperature (°C) F	Temperature (°C) G				Dissolved Oxygen (mg/L) F	Dissolved Oxygen (mg/L) G				pH (pH units) F	pH (pH units) G				Salinity (ppt) F	Salinity (ppt) G				Analyst
29	13.0	14.1				8.1	8.0				8.02	7.97				35.0	35.7				JR

Comments:

QC Check: JR 12/21/07

Final Review: Na 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA | AMEC
Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147
Site ID: Site 1C

Start Date/Time: 11/14/2007 1000
End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	12.3	12.0	12.1	11.9	12.5	8.1	8.0	8.3	8.4	8.2	7.92	7.85	7.90	7.92	7.96	35.6	35.6	35.6	35.4	35.6	JR

Comments:

QC Check: JR 12/21/07

Final Review: MA 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC

Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147

Site ID: Site 2C

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	12.0	12.2	12.7	11.9	13.1	8.1	8.1	8.1	8.3	8.0	7.58	7.97	8.03	8.04	7.87	30.6	30.5	30.5	30.5	30.7	JR

Comments:

QC Check: JR 12/21/07

Final Review: MA 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC
Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147
Site ID: Site UC

Start Date/Time: 11/14/2007 1000
End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	11.8	12.1	12.0	12.4	12.4	8.4	8.3	8.2	8.1	8.1	8.07	7.99	8.01	7.92	8.03	35.5	35.5	35.5	35.6	35.7	JR

Comments:

QC Check: JR 12/21/07

Final Review: Ma 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA / AMEC

Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147

Site ID: Site LC

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	12.0	12.1	12.2	11.8	12.1	8.2	8.3	8.1	8.2		7.96	7.99	7.99	8.05	8.02	35.6	35.6	35.4	35.4	35.6	JR

Comments:

QC Check: JR 12/21/07

Final Review: 1/4/08 na

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Water Quality Measurements

Client: POLA | AMEC

Test Species: *Macoma nasuta/Nereis virens*

Project ID: Berth 145-147

Site ID: Reference Site

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1700

Day	Temperature (°C)					Dissolved Oxygen (mg/L)					pH (pH units)					Salinity (ppt)					Analyst
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	
29	13.1	12.9	12.9	12.2	12.4	8.2	8.3	8.2	8.4	8.3	7.85	7.89	7.69	7.89	7.55	35.6	35.4	35.7	35.5	35.5	JR

Comments:

QC Check: JR 12/21/07

Final Review: 1/4/08 [illegible]

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations

Client: POLA / AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Control

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
A,B,C,D,E,F,G	1	~~Ø~~	all ↑	
A	2	~~Ø~~	↑	
G	2	~~Ø~~	↓	
A	3		~~A~~ ↑	
A	4		↑	
A	5		↓	
C	7		↑	
G	7		↑	
B,C,G	8		↓	
G	12		↑	
G	13		↑	
F	14	1		
G,E,A,B,C,D	16		all ↑	
~~B~~ G	18		↓	
D	19		↓	
~~D~~	~~19~~			
B	20	1		
F	20	1		
B	20		↑	
G	23	1		
G ~~A~~	23		↓	
A,D ~~B~~ E	24		↓	
~~C~~ C	25	1		
G	26	1		

QC Check: JR 12/21/07

Final Review: Ma 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations

Client: POLA / AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Site 1C

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
D	0	0	↓	
A	3		↑	
C	5	1		
DE ~~14~~ B	14	2		
D	14	1		
C	14	1		
C	15		↓	
	~~16~~ 14			
A	16		↑	
D	16	1	—	—
C	17	1		
D	17	1		
B	19	1		
A	19		↓	
A	20	1		
D	20	1	↑	
A	22		↑	
A	23	1		
B	23	2	↓	
C	23	1		
D	23	1	↓	
A	24	1		
B	24	1		
C	24	1		
D	24	1		
E	24	1		
B, C	25	1, 1		
D	25		↓	
A,B,C,D,	26	1, 1; 1, 1	D=↓	
A,B,D,E	27	1, 1, 1, 1		

QC Check: JK 12/21/07

Final Review: NA 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations

Client: POLA / AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Site 2C

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
D	0	0	↓	
D	2	1	—	final dead clam removed it.
A	8		↑	
A	12	1	—	
C	12	1	—	
A	14	1		
C	14	2		
A	16	2		
D	16	1		
A+E	16	A=1	↑	
A	17	~~1~~ 3		
E	17	1		
A	19	1		
B	19	1		
C	19	2		
D	19	1		
E	19	2		
A	20	1		
E	20	1		
A	22		↑	
B	22		↑	
E	23	1		
B	23		↓	
C	24	1		
D	24	1		
E	24	1		
B	26		↓	
E, A	27	1, 1		

QC Check: JR 12/21/07

Final Review: MA 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations
(1 of 2)

Client: POLA / AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Site UC

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
E	2	Ø	↑	
E	3		↑	
E	5		↓	
D	5	1		
A	5	1		
A,D,E	8		↑	
A	9		↓	
C	12		↓	
C	13	1		
A	13			DO really low *Airstone replaced
D	14	1		
E	14	3		
A	15	1		
A	16	1		
C	16	1		
D	16	1		
E	16	2	—	—
B	17	1		
B, C	19	3,3	C: ↑	
D	19	4	↑	
E	19	2		
AB	19		↓,↓	
A,B,E	21	1,1,1		
A	23	2		
B	23	1		
C	23	1		
D	23	2		
A	24	2		

QC Check: JR 12/21/07

Final Review: Na 1/4/08

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations
(2 of 2)

Client: POLA / Amec

Project ID: Berth 145-147

Site ID: Site UC

Start Date/Time: 11/14/2007 1000

End Date/Time: 12/12/2007 1000

Test Species: *Macoma nasuta* / Nereis

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
~~UC~~ B	24	1		
C	24	1		
D	24	1		
E	24	3		
~~B,C,D,E~~	24		↓	
C	26	2		
A	26	1		
B	26	2		
D	26	2		
A	27	1		

QC Check: JR 12/21/07

Final Review: MU 1/4/08

28-Day Marine Sediment Bioassay Bioaccumulation

Observations

Client: POLA / AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Site LC

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
E	1	Ø	↑	
E	2	Ø	↑	
B, E	3		~~B, E~~ ↑	
B	5	2		
E	8		↑	
E	12		↑	
A	12	2	—	—
C	12	1	—	
A	14	1		
C	14	1		
B	15	1		
A + B	16	A = 1	both ↑	
A, C	18	1, 1		
A, B, C, D	19	3, 3, 3, 3		
E	19	7		
B	20	3		
A, B	21	2, 1		
A	23	1		
B	23	3		
C	23	1		
D	23	1		
B	24	~~1~~ 2		
E	24	1		
C, E	24		↓	
C	25	2		
C	25		↓	
A, B, DE	26	2, 1 2, 1		
~~A, B, D~~	27	1, 3, 1		

QC Check: JR 12/21/07

Final Review: Na 1/4/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

28-Day Marine Sediment Bioassay
Bioaccumulation

Observations

Client: POLA/AMEC

Start Date/Time: 11/14/2007 1000

Project ID: Berth 145-147

End Date/Time: 12/12/2007 1000

Site ID: Reference Site

Test Species: *Macoma nasuta/Nereis vir*

Rep	Day	Clam Mortalities	Flow Adjustments	Additional Comments
A	1		↑	
~~A~~ JR	~~3~~ JR		~~↑~~ JR	
B	5	1		
C	9	1		
D	16	2		
A	19	2		
B	19	1		
C	19	1		
C	20	1		
A	22		↑	
A	23	1		
B	23	2	↓	
D	23	1		
D	24	1		
C	25	1		
B	26	1		
C	27	1		
D	27	1		
E	27	1		

QC Check: JR 12/21/07

Final Review: Ma 1/4/08

Total Ammonia Measurements

Total Ammonia Analysis
Marine

Interstitial Water

Client ID: AMEC
Project ID: POLA Berth 145-147
Test Type: Porewater

DI Blank: 0.0
Seawater Blank: 0.0

Analyst: JT
Analysis Date: 11/21/07

Sample ID	Nautilus ID	Sample Date	Test Day	pH (units)	Salinity (ppt)	Nitrogen (mg/L)	N x 1.22 Ammonia (mg/L)
Blank Spike (10 mg/L NH_3)		NA	NA	NA	NA	7.3	8.91
1C	1	9/10/2007	PW	7.18	34.1	3.6	4.39
2C	2	9/10/2007	PW	7.38	33.9	28.4	34.65
UC	3	9/10/2007	PW	7.62	20.1	2.0	2.44
LC	4	9/10/2007	PW	8.16	26.0	JR ~~1.6~~ 32.0	~~1.95~~ JR 39.04
~~not collected~~ ~~Ref~~ Ref	5	9/10/2007	PW	7.42	33.8	1.4	1.7
Spike Check (10 mg/L NH_3)		NA	NA				
Spike Check (10 mg/L NH_3)		NA	NA				

JR ~~water parameters~~

$$\text{RPD} = \frac{\text{sample (mg/L)} - \text{sample duplicate (mg/L)}}{\text{average ammonia (mg/L)}} \times 100$$

$$\text{\% Recovery} = \frac{\text{spiked sample (mg/L)} - \text{sample (mg/L)}}{\text{spike conc'n (mg/L)}} \times 100$$

Sample I.D.	NH3 (mg/L)	Sample Dup	Spike (mg/L)	RPD	% Recovery
Blank	0.0	NA	8.91	NA	89.1
QC	10.25	10.74	19.52	4.7	92.7

Comments: QC taken from AMEC/POLA Berth 145-147 Suspended Phase

QC Check: EG 11/26/07

Final Review: JR 12/24/07

Nautilus Environmental, 5550 Morehouse Drive, Suite 150, San Diego, CA 92121.

Total Ammonia Analysis

Overlying Water

Client ID: AMEC
Project ID: POLA Berth 145-147
Test Type: 10-Day Solid Phase

DI Blank: 0.0
Seawater Blank: 0.0

Analyst: NH/NA
Analysis Date: 11/27/07

Sample ID	Nautilus ID	Sample Date	Test Day	Nitrogen (mg/L)	Ammonia (mg/L) N x 1.22
Blank Spike (10 mg/L NH_3)		NA	NA	7.0	8.5
Sediment Control Ee	1	11/9/2007	0	0.1	~~0.1~~ 0.1
1C Ee	2	11/9/2007	0	0.3	0.4
2C Ee	3	11/9/2007	0	4.0	4.9
UC Ee	4	11/9/2007	0	0.2	0.2
LC Ee	5	11/9/2007	0	3.4	4.1
Ref Ee	6	11/9/2007	0	0.4	0.5
Sediment Control Na	7	11/9/2007	0	0.2	0.2
1C Na	8	11/9/2007	0	0.6	0.7
2C Na	9	11/9/2007	0	3.4	4.1
UC Na	10	11/9/2007	0	0.4	0.5
LC Na	11	11/9/2007	0	2.6	3.2
Ref Na	12	11/9/2007	0	0.5	0.6
Spike Check (10 mg/L NH_3)		NA	NA	7.3	8.9
Sediment Control Ee	13	11/19/2007	10	0.3	0.4
1C Ee	14	11/19/2007	10	1.0	1.2
2C Ee	15	11/19/2007	10	9.6	11.7
UC Ee	16	11/19/2007	10	0.9	1.1
LC Ee	17	11/19/2007	10	6.5	7.9
Ref Ee	18	11/19/2007	10	1.7	2.1
Sediment Control Na	19	11/19/2007	10	0.7	0.9
1C Na	20	11/19/2007	10	0.5	0.6
2C Na	21	11/19/2007	10	6.9	8.4
UC Na	22	11/19/2007	10	0.8	1.0
LC Na	23	11/19/2007	10	4.0	4.9
Ref Na	24	11/19/2007	10	1.9	2.3
Spike Check (10 mg/L NH_3)		NA	NA	7.3	8.9

$$\text{RPD} = \frac{\text{sample (mg/L) - sample duplicate (mg/L)}}{\text{average ammonia (mg/L)}} \times 100$$

$$\%\ \text{Recovery} = \frac{\text{spiked sample (mg/L) - sample (mg/L)}}{\text{spike conc'n (mg/L)}} \times 100$$

Sample I.D.	NH3 (mg/L)	Sample Dup	Spike (mg/L)	RPD	% Recovery
Blank	0.0	NA	7.9	NA	79.0
QC	20.5	19.9	24.4	3.0	39.0

Comments: QC taken from Amec/POLA Berth 145-147 SSP

QC Check: JR 12/20/07

Final Review: NA 1/4/08

Total Ammonia Analysis

Overlying Water

Client ID: AMEC
Project ID: POLA Berth 145-147
Test Type: Suspended Phase

DI Blank: 0.0
Seawater Blank: 0.0

Analyst: JT
Analysis Date: 11/21/07

Sample ID	Nautilus ID	Sample Date	Test Day	Nitrogen (mg/L)	N x 1.22 Ammonia (mg/L)
Blank Spike (10 mg/L NH_3)		NA	NA	7.3	8.91
1C	25	11/14/2007	0	1.6	1.95
2C	26	11/14/2007	0	10.3	12.57
UC	27	11/14/2007	0	0.5	0.61
LC	28	11/14/2007	0	8.9	10.86
Control Mb	29	11/18/2007	96 hr		
1C Mb	30	11/18/2007	96 hr		
2C Mb	31	11/18/2007	96 hr		
UC Mb	32	11/18/2007	96 hr		
LC Mb	33	11/18/2007	96 hr		
Control My	34	11/18/2007	96 hr		
1C My	35	11/18/2007	96 hr		
2C My	36	11/18/2007	96 hr		
Spike Check (10 mg/L NH_3)		NA	NA		
UC My	37	11/18/2007	96 hr	*	
LC My	38	11/18/2007	96 hr		
Control Mg	39	11/16/2007	48 hr	0.1	0.12
1C Mg	40	11/16/2007	48 hr	~~0.~~ 1.7	2.07
2C Mg	41	11/16/2007	48 hr	~~7.7~~ 10.1	12.32
UC Mg	42	11/16/2007	48 hr	~~0.~~ 0.6	0.73
LC Mg	43	11/16/2007	48 hr	8.4	10.25
LC Mg ~~spk~~ dup				8.8	10.74
LC Mg Spk				16.0	19.52
Spike Check (10 mg/L NH_3)		NA	NA		

RPD = sample (mg/L) - sample duplicate (mg/L) x 100
average ammonia (mg/L)

% Recovery = spiked sample (mg/L) - sample (mg/L) x 100
spike conc'n (mg/L)

Sample I.D.	NH3 (mg/L)	Sample Dup	Spike (mg/L)	RPD	% Recovery
Blank	0.0	NA	8.91	NA	89.1
LC Mg	10.25	10.74	19.52	4.7	92.7

Comments: * Final Ammonias not collected for 96-hr Menidia or Mysids

QC Check: SG 11/26/07

Final Review: JTR 12/24/07

Total Ammonia Analysis

Overlying Water

~~Page 1 of 2~~

Client ID: AMEC
Project ID: POLA Berth 145-147
Test Type: Bioaccumulation Phase

DI Blank: 0.0
Seawater Blank: 0.2

Analyst: KF
Analysis Date: 1/24/08

Sample ID	Nautilus ID	Sample Date	Test Day	Nitrogen (mg/L)	N x 1.22 Ammonia (mg/L)
Blank Spike (10 mg/L NH_3)		NA	NA	6.3	7.7
Control	44	11/14/2007	0	0.1	0.1
1C	45	11/14/2007	0	0.2	0.2
2C	46	11/14/2007	0	0.5	0.6
UC	47	11/14/2007	0	0.0	0.0
LC	48	11/14/2007	0	0.0	0.0
Ref	49	11/14/2007	0	—	—
Control	50	11/21/2007	7	0.0	0.0
1C	51	11/21/2007	7	1.4	1.7
2C	52	11/21/2007	7	0.6	0.7
UC	53	11/21/2007	7	1.2	1.5
LC	54	11/21/2007	7	1.8	2.2
Ref	55	11/21/2007	7	0.5	0.6
Control	56a	11/28/2007	14	~~KF 1~~ 1.5	1.8
1C	57a	11/28/2007	14	~~KF 0.0~~ 0.1	0.1
Spike Check (10 mg/L NH_3)		NA	NA	6.7	8.2
2C	56	11/28/2007	14	1.1	1.3
UC	57	11/28/2007	14	0.0	0.0
LC	58	11/28/2007	14	2.7	3.3
Ref	59	11/28/2007	14	0.9	1.1
Control	60	12/5/2007	21	0.0	0.0
1C	61	12/5/2007	21	1.4	1.7
2C	62	12/5/2007	21	1.7	2.1
UC	63	12/5/2007	21	0.8	1.0
LC	64	12/5/2007	21	1.5	1.8
Ref	65	12/5/2007	21	1.1	1.3
Control	66	12/12/2007	28	0.3	0.4
1C	67	12/12/2007	28	0.9	1.1
2C	68	12/12/2007	28	1.0	1.2
UC	69	12/12/2007	28	1.0	1.2
LC	70	12/12/2007	28	1.9	2.3
Ref	71	12/12/2007	28	~~KF 0.0~~ 0.2	~~KF 0.0~~ 0.2
Spike Check (10 mg/L NH_3)		NA	NA	6.4	7.8

Ref. Dup. 0.2 0.2

Ref Dup. + Spike 6.7 8.2

RPD = sample (mg/L) - sample duplicate (mg/L) / average ammonia (mg/L) x 100

% Recovery = spiked sample (mg/L) - sample (mg/L) / spike conc'n (mg/L) x 100

Sample I.D.	NA NH3 (mg/L)	Sample Dup	Spike (mg/L)	RPD	% Recovery
Blank	~~7.7~~ 0.02	NA	7.7	NA	75.0
~~KF Sample A~~ Ref (71)	~~KF 0.0~~ 0.2	0.2	8.2	0	80

Comments:

QC Check: JR 1/25/08

Final Review: JR 1/28/08

Nautilus Environmental. 5550 Morehouse Drive, Suite 150. San Diego, CA 92121.

Appendix C

REFERENCE TOXICANT DATA

Amphipod

CETIS Summary Report

Report Date: 20 Dec-07 16:27 (p 1 of 1)
Link/Link Code: 12-6699-5616/071109eera

Acute Amphipod Survival Test — Nautilus Environmental (CA)

Test Run No:	19-2119-0902	Test Type:	Survival (96h)	Analyst:	
Start Date:	09 Nov-07 16:35	Protocol:	ASTM E1367-99 (1999)	Diluent:	Laboratory Seawater
Ending Date:	13 Nov-07 14:40	Species:	Eohaustorius estuarius	Brine:	Not Applicable
Duration:	94h	Source:	Northwestern Aquatic Science, OR	Age:	

Sample No:	05-9796-3257	Code:	597963257	Client:	Internal
Sample Date:	09 Nov-07	Material:	Cadmium chloride	Project:	
Receive Date:	09 Nov-07	Source:	Reference Toxicant		
Sample Age:	17h	Station:			

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
13-4123-3074	96h Survival Rate	2.5	5	3.54	19.8%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-mg/L	95% LCL	95% UCL	Method
20-7596-5222	96h Survival Rate	50	7.33	6.09	8.82	Trimmed Spearman-Kärber

96h Survival Rate Summary

Conc-mg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.928	0.972	0.9	1	0.0105	0.0577	6.08%	0.0%
1.25		4	0.825	0.761	0.889	0.6	1	0.0312	0.171	20.7%	13.2%
2.5		4	0.875	0.819	0.931	0.7	1	0.0274	0.15	17.1%	7.89%
5		4	0.675	0.619	0.731	0.5	0.8	0.0274	0.15	22.2%	28.9%
10		4	0.35	0.302	0.398	0.2	0.5	0.0236	0.129	36.9%	63.2%
20		4	0	0	0	0	0	0	0		100.0%

96h Survival Rate Detail

Conc-mg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.9	0.9	1
1.25		0.8	1	0.6	0.9
2.5		0.8	1	0.7	1
5		0.8	0.6	0.8	0.5
10		0.3	0.2	0.4	0.5
20		0	0	0	0

Analyst: JR QA: 1/4/08

CETIS Analytical Report

Report Date: 20 Dec-07 16:27 (p 1 of 2)
Link/Link Code: 12-6699-5616/071109eera

Acute Amphipod Survival Test — Nautilus Environmental (CA)

Analysis No: 13-4123-3074 | Endpoint: 96h Survival Rate | CETIS Version: CETISv1.6.3
Analyzed: 20 Dec-07 16:26 | Analysis: Nonparametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	2.5	5	3.54	40	19.8%

Steel Many-One Rank Test

Control	vs	Conc-mg/L	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		1.25	14	10	3	0.3450	Non-Significant Effect
		2.5	16	10	2	0.6100	Non-Significant Effect
		5*	10	10	0	0.0417	Significant Effect
		10*	10	10	0	0.0417	Significant Effect
		20*	10	10	0	0.0417	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	3.965047	0.7930093	5	31.7	0.0000	Significant Effect
Error	0.4502468	0.0250137	18			
Total	4.415294	0.818023	23			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	4.63	4.25	0.0068	Unequal Variances
Distribution	Shapiro-Wilk Normality	0.977		0.8330	Normal Distribution

96h Survival Rate Summary

Conc-mg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.928	0.972	0.9	1	0.0107	0.0577	6.08%	0.0%
1.25		4	0.825	0.76	0.89	0.6	1	0.0317	0.171	20.7%	13.2%
2.5		4	0.875	0.818	0.932	0.7	1	0.0279	0.15	17.1%	7.89%
5		4	0.675	0.618	0.732	0.5	0.8	0.0279	0.15	22.2%	28.9%
10		4	0.35	0.301	0.399	0.2	0.5	0.024	0.129	36.9%	63.2%
20		4	0	0	0	0	0	0	0		100.0%

Rank Transformed Summary

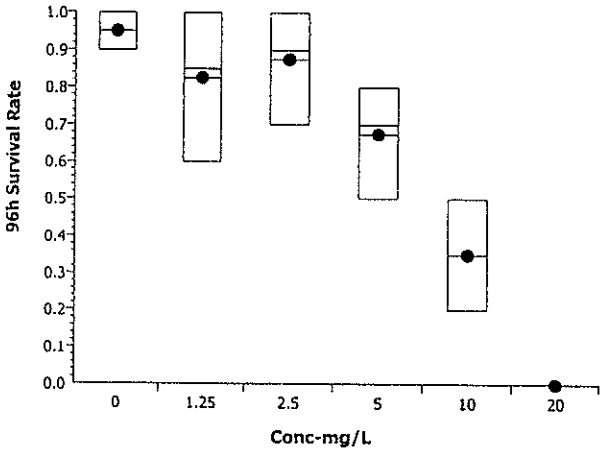
Conc-mg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	20	19.1	20.9	18	22	0.429	2.31	11.5%	0.0%
1.25		4	16.3	14.4	18.1	10.5	22	0.911	4.91	30.2%	18.8%
2.5		4	17.6	15.7	19.6	12	22	0.957	5.15	29.2%	11.9%
5		4	12	10.9	13.1	8.5	14.5	0.557	3	25.0%	40.0%
10		4	6.63	6.06	7.19	5	8.5	0.277	1.49	22.5%	66.9%
20		4	2.5	2.5	2.5	2.5	2.5	0	0	0.0%	87.5%

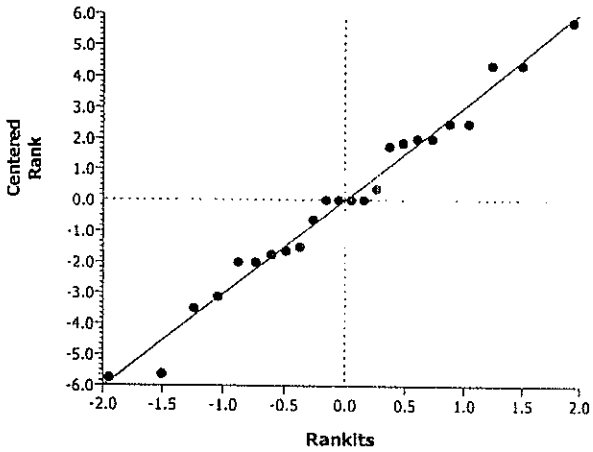
Analyst: JR QA: Mu 4/9/08

Acute Amphipod Survival Test — Nautilus Environmental (CA)

Analysis No:	13-4123-3074	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	20 Dec-07 16:26	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Graphics





Analyst: JR QA: 1/4/08

CETIS Analytical Report

Report Date: 20 Dec-07 16:27 (p 1 of 1)
Link/Link Code: 12-6699-5616/071109eera

Acute Amphipod Survival Test — Nautilus Environmental (CA)

Analysis No:	20-7596-5222	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	20 Dec-07 16:26	**Analysis:**	Trimmed Spearman-Kärber	**Official Results:**	Yes

Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC/LC50	95% LCL	95% UCL
Control Threshold	0.05	10.53%	0.865	0.0401	7.33	6.09	8.82

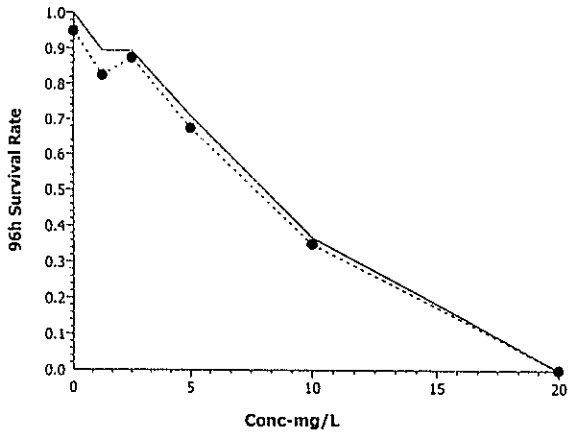
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-mg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.9	1	0.0105	0.0577	6.08%	0.0%	38	40
1.25		4	0.825	0.6	1	0.0312	0.171	20.7%	13.2%	33	40
2.5		4	0.875	0.7	1	0.0274	0.15	17.1%	7.89%	35	40
5		4	0.675	0.5	0.8	0.0274	0.15	22.2%	28.9%	27	40
10		4	0.35	0.2	0.5	0.0236	0.129	36.9%	63.2%	14	40
20		4	0	0	0	0	0		100.0%	0	40

96h Survival Rate Detail

Conc-mg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.9	0.9	1
1.25		0.8	1	0.6	0.9
2.5		0.8	1	0.7	1
5		0.8	0.6	0.8	0.5
10		0.3	0.2	0.4	0.5
20		0	0	0	0

Graphics



Analyst: JR QA: Na 1/4/08

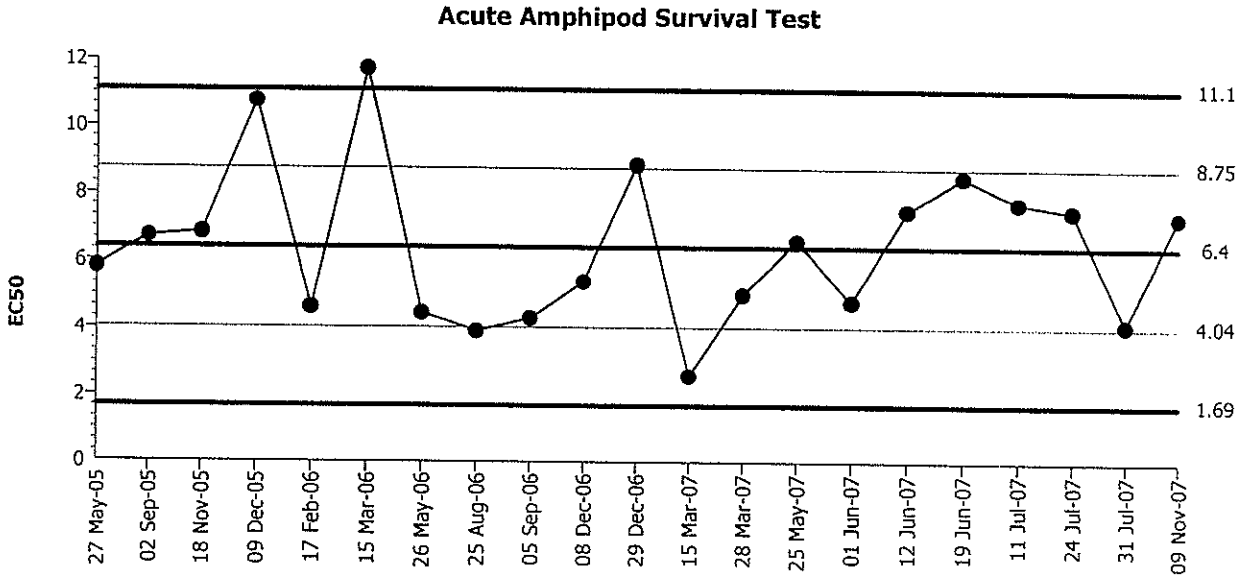
CETIS QC Plot

Report Date: 20 Dec-07 16:28 (1 of 1)

Acute Amphipod Survival Test

Nautilus Environmental (CA)

Test Type:	Survival (96h)	Organism:	Eohaustorius estuarius (Amphipod)	Material:	Cadmium chloride
Protocol:	ASTM E1367-99 (1999)	Endpoint:	96h Survival Rate	Source:	Reference Toxicant-REF



Mean:	6.397	Count:	20	-1s Warning Limit:	4.043	-2s Action Limit:	1.689
Sigma:	2.354	CV:	36.80%	+1s Warning Limit:	8.751	+2s Action Limit:	11.11

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Link No	Analysis No
1	2005	May	27	5.811	-0.5862	-0.249			05-6589-6371	17-1238-8846
2		Sep	2	6.721	0.3238	0.1376			08-8464-8561	08-3472-0215
3		Nov	18	6.849	0.4522	0.1921			04-0395-2603	10-9921-8370
4		Dec	9	10.77	4.372	1.857	(+)		04-8376-4289	18-9961-8682
5	2006	Feb	17	4.643	-1.754	-0.7452			12-0435-3541	13-4210-4498
6		Mar	15	11.74	5.342	2.269	(+)	(+)	07-9946-3576	14-0187-2926
7		May	26	4.471	-1.926	-0.8182			15-0534-9137	04-4056-1766
8		Aug	25	3.927	-2.47	-1.049	(-)		08-9300-6310	09-2112-8432
9		Sep	5	4.318	-2.079	-0.8831			05-3501-1971	08-4316-5188
10		Dec	8	5.411	-0.9863	-0.419			03-0794-0147	02-1067-6696
11			29	8.869	2.472	1.05	(+)		04-6441-1398	08-9241-6587
12	2007	Mar	15	2.589	-3.808	-1.617	(-)		10-8794-2329	18-0985-4736
13			28	5.023	-1.374	-0.5838			07-2540-7606	18-2421-2764
14		May	25	6.61	0.2127	0.09035			09-2021-3908	17-8311-3933
15		Jun	1	4.807	-1.59	-0.6755			07-6015-3571	03-9853-7371
16			12	7.497	1.1	0.4674			08-4084-9718	19-2870-1290
17			19	8.507	2.11	0.8962			08-7258-2040	11-6645-7468
18		Jul	11	7.746	1.349	0.5732			00-5560-6143	16-9384-1770
19			24	7.492	1.095	0.465			03-2172-2658	03-1961-4685
20			31	4.142	-2.255	-0.9577			09-8257-8202	20-3490-9290
21		Nov	9	7.333	0.9355	0.3974			12-6699-5616	20-7596-5222

Marine Sediment Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: Internal
Sample ID: $CdCl_2$
Test No.: 071109 ~~eohe~~ ES ~~eohra~~ eera
JR

Test Species: *E. estuarius*
Start Date/Time: 11/9/2007 1635
End Date/Time: 11/13/2007 1440

Conc.	Rep	Number of Live Organisms 0	Number of Live Organisms 96	Salinity (ppt) 0	Salinity 24	Salinity 48	Salinity 72	Salinity 96	Temperature (°C) 0	Temperature 24	Temperature 48	Temperature 72	Temperature 96	Dissolved Oxygen (mg/L) 0	DO 24	DO 48	DO 72	DO 96	pH (units) 0	pH 24	pH 48	pH 72	pH 96	Percent Survival
Lab Control	A	~~5~~ 10	10	30.2	30.2	30.2	30.2	29.3	15.1	15.1	15.2	15.1	14.9	9.7	7.7	8.2	8.1	7.8	7.94	7.76	7.85	7.88	7.85	100
	B	~~5~~	9																					90
	C	~~5~~	9																					90
	D	~~5~~	10																					100
1.25	A	~~5~~	8	30.3	30.3	30.5	30.4	29.7	15.1	15.1	14.9	14.7	14.7	9.5	7.8	8.2	8.1	8.0	7.97	7.75	7.84	7.86	7.85	80
	B	~~5~~	10																					100
	C	~~5~~	6																					60
	D	~~5~~	9																					90
2.5	A	~~5~~	8	30.3	30.2	30.5	30.4	29.5	15.1	15.1	15.0	14.6	14.6	9.5	7.8	8.1	8.0	7.7	7.98	7.74	7.80	7.84	7.81	80
	B	~~5~~	10																					100
	C	~~5~~	7																					70
	D	~~5~~	10																					100
5	A	~~5~~	8	30.3	30.2	30.5	30.5	29.5	15.1	15.1	15.0	14.5	14.5	9.4	7.7	8.1	8.0	7.9	7.98	7.73	7.82	7.85	7.85	80
	B	~~5~~	6																					60
	C	~~5~~	8																					80
	D	~~5~~	5																					50
10	A	~~5~~	3	30.2	30.1	30.4	30.4	29.5	15.1	15.1	15.0	14.4	14.5	9.4	7.9	8.2	8.1	8.2	7.98	7.73	7.82	7.87	7.87	~~30~~ 30 JR
	B	~~5~~	2																					~~20~~ 20
	C	~~5~~	4																					~~80~~ 40
	D	~~5~~	5																					~~100~~ 50
20	A	~~5~~	0	29.9	29.8	30.2	30.4	29.2	15.1	15.1	15.1	14.4	14.5	9.5	7.9	8.2	8.2	8.2	7.98	7.73	7.80	7.86	7.80	0
	B	~~5~~	0																					0
	C	~~5~~	0																					0
	D	~~5~~	0																					0
Technician Initials		NH	KL																					

Animal Source/Date Received: NWA / 11/7/07

~~Age~~ Size at Initiation: 2-3mm
JR

Comments:
0 hr:
24 hr:
48 hr:
72 hr:
96 hr:

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Polychaete

CETIS Summary Report

Report Date: 20 Dec-07 16:34 (p 1 of 1)
Link/Link Code: 04-5353-8618/071109nara

Neanthes 96-h Survival Test — Nautilus Environmental (CA)

Test Run No:	13-7873-1046	Test Type:	Survival	Analyst:	
Start Date:	09 Nov-07 16:00	Protocol:	ASTM E1611-00 (2000)	Diluent:	Laboratory Seawater
Ending Date:	13 Nov-07 15:00	Species:	Neanthes arenaceodentata	Brine:	Not Applicable
Duration:	95h	Source:	CSU-Dr. Reish	Age:	

Sample No:	09-5047-7502	Code:	950477502	Client:	Reference Toxicant Test
Sample Date:	09 Nov-07	Material:	Cadmium chloride	Project:	
Receive Date:	09 Nov-07	Source:	Reference Toxicant		
Sample Age:	16h	Station:			

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
20-9925-2661	Survival Rate	5	10	7.07	24.4%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-µg/L	95% LCL	95% UCL	Method
17-4990-6875	Survival Rate	50	7.48	6.71	8.34	Trimmed Spearman-Kärber

Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.85	0.778	0.922	0.6	1	0.035	0.191	22.5%	0.0%
2.5		4	1	1	1	1	1	0	0	0.0%	-17.6%
5		4	0.9	0.857	0.943	0.8	1	0.0211	0.115	12.8%	-5.88%
10		4	0.1	0.0253	0.175	0	0.4	0.0365	0.2	200.0%	88.2%
20		4	0	0	0	0	0	0	0		100.0%
40		4	0	0	0	0	0	0	0		100.0%

Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	1	1	0.6
2.5		1	1	1	1
5		1	0.8	0.8	1
10		0.4	0	0	0
20		0	0	0	0
40		0	0	0	0

CETIS Analytical Report

Report Date: 20 Dec-07 16:34 (p 1 of 2)
Link/Link Code: 04-5353-8618/071109nara

Neanthes 96-h Survival Test — Nautilus Environmental (CA)

Analysis No:	20-9925-2661	**Endpoint:**	Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	20 Dec-07 16:33	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	5	10	7.07	20	24.4%

Dunnett's Multiple Comparison Test

Control	vs	Conc-µg/L	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		2.5	-1.74	2.41	0.241	0.9980	Non-Significant Effect
		5	-0.552	2.41	0.241	0.9460	Non-Significant Effect
		10*	8.3	2.41	0.241	0.0000	Significant Effect
		20*	9.44	2.41	0.241	0.0000	Significant Effect
		40*	9.44	2.41	0.241	0.0000	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	5.904658	1.180932	5	58.9	0.0000	Significant Effect
Error	0.3608675	0.0200482	18			
Total	6.265525	1.20098	23			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	2.22	4.25	0.0976	Equal Variances
Distribution	Shapiro-Wilk Normality	0.888		0.0118	Normal Distribution

Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.85	0.777	0.923	0.6	1	0.0356	0.191	22.5%	0.0%
2.5		4	1	1	1	1	1	0	0	0.0%	-17.6%
5		4	0.9	0.856	0.944	0.8	1	0.0214	0.115	12.8%	-5.88%
10		4	0.1	0.0239	0.176	0	0.4	0.0371	0.2	200.0%	88.2%
20		4	0	0	0	0	0	0	0		100.0%
40		4	0	0	0	0	0	0	0		100.0%

Angular (Corrected) Transformed Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.17	1.09	1.25	0.886	1.35	0.041	0.221	18.8%	0.0%
2.5		4	1.35	1.35	1.35	1.35	1.35	0	0	0.0%	-14.9%
5		4	1.23	1.17	1.28	1.11	1.35	0.0255	0.137	11.2%	-4.72%
10		4	0.34	0.253	0.428	0.226	0.685	0.0426	0.23	67.5%	70.9%
20		4	0.226	0.226	0.226	0.226	0.226	0	0	0.0%	80.7%
40		4	0.226	0.226	0.226	0.226	0.226	0	0	0.0%	80.7%

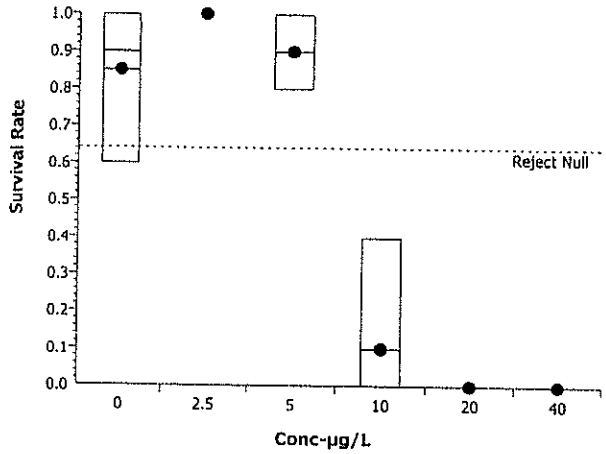
Analyst: JR QA: 1/4/08

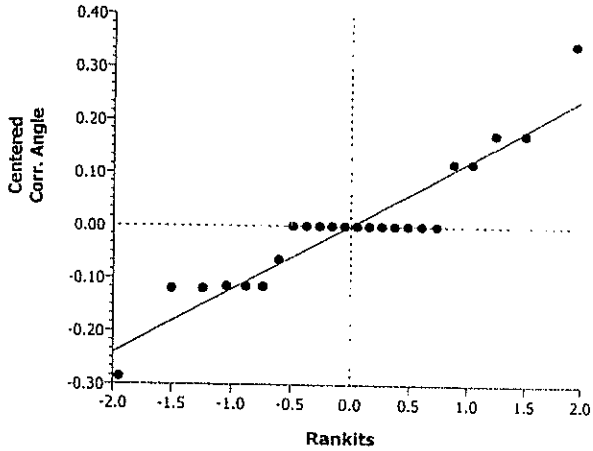
Neanthes 96-h Survival Test

Nautilus Environmental (CA)

Analysis No:	20-9925-2661	Endpoint:	Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	20 Dec-07 16:33	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





Analyst: JR QA: 1/4/08

CETIS Analytical Report

Report Date: 20 Dec-07 16:34 (p 1 of 1)
Link/Link Code: 04-5353-8618/071109nara

Neanthes 96-h Survival Test — Nautilus Environmental (CA)

Analysis No:	17-4990-6875	Endpoint:	Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	20 Dec-07 16:34	Analysis:	Trimmed Spearman-Kärber	Official Results:	Yes

Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC/LC50	95% LCL	95% UCL
Control Threshold	0.15	0.00%	0.874	0.0236	7.48	6.71	8.34

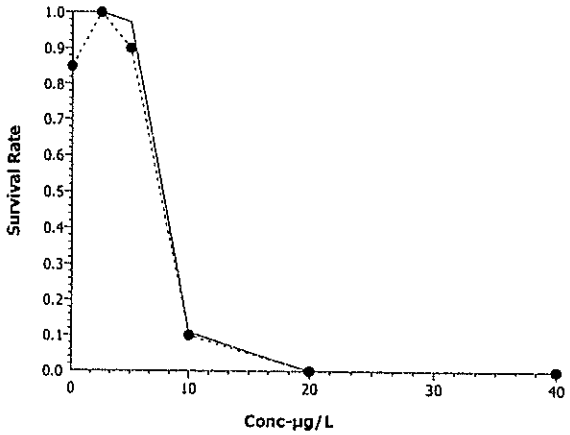
Survival Rate Summary

			Calculated Variate(A/B)								
Conc-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.85	0.6	1	0.035	0.191	22.5%	0.0%	17	20
2.5		4	1	1	1	0	0	0.0%	-17.6%	20	20
5		4	0.9	0.8	1	0.0211	0.115	12.8%	-5.88%	18	20
10		4	0.1	0	0.4	0.0365	0.2	200.0%	88.2%	2	20
20		4	0	0	0	0	0		100.0%	0	20
40		4	0	0	0	0	0		100.0%	0	20

Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	1	1	0.6
2.5		1	1	1	1
5		1	0.8	0.8	1
10		0.4	0	0	0
20		0	0	0	0
40		0	0	0	0

Graphics



Analyst: JR QA: 1/4/08

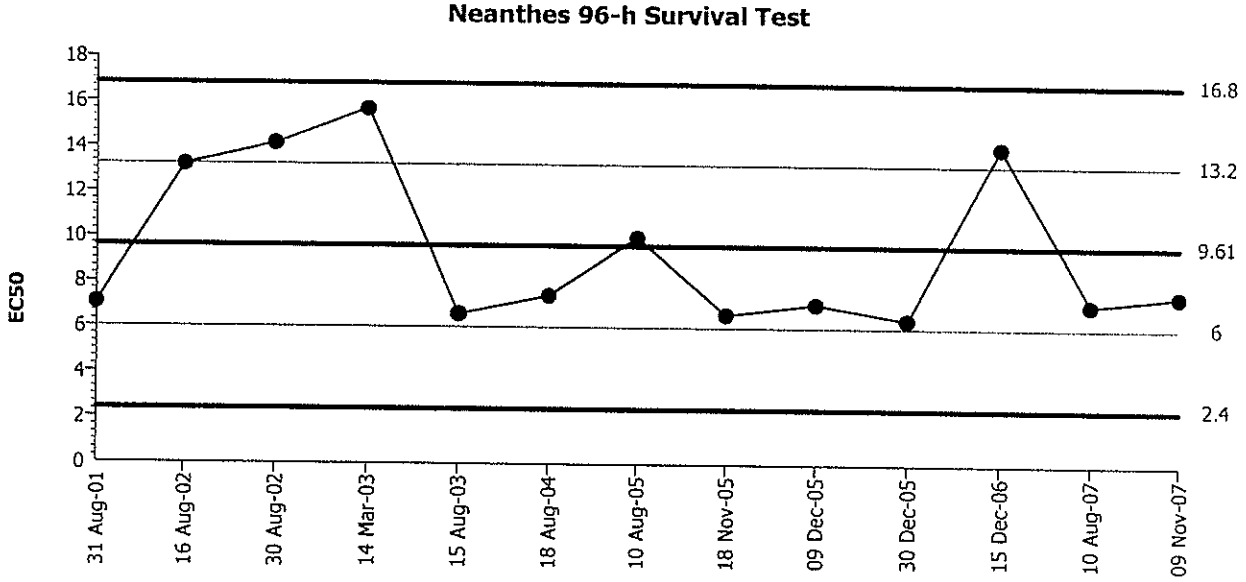
CETIS QC Plot

Report Date: 20 Dec-07 16:35 (1 of 1)

Neanthes 96-h Survival Test

Nautilus Environmental (CA)

Test Type:	Survival	Organism:	Neanthes arenaceodentata (Polycha	Material:	Cadmium chloride
Protocol:	ASTM E1611-00 (2000)	Endpoint:	Survival Rate	Source:	Reference Toxicant-REF



Mean:	9.607	Count:	12	-1s Warning Limit:	6.002	-2s Action Limit:	2.397
Sigma:	3.605	CV:	37.50%	+1s Warning Limit:	13.21	+2s Action Limit:	16.82

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Link No	Analysis No
1	2001	Aug	31	7.071	-2.536	-0.7034			05-6351-2675	10-4852-1587
2	2002		16	13.2	3.588	0.9953			17-2337-3512	13-1637-1487
3			30	14.14	4.535	1.258	(+)		08-2371-5820	12-1210-2326
4	2003	Mar	14	15.69	6.085	1.688	(+)		05-5752-7371	14-4734-0695
5		Aug	15	6.598	-3.009	-0.8348			08-1990-5030	08-9339-8672
6	2004		18	7.422	-2.185	-0.6061			10-4901-2594	09-5681-0026
7	2005		10	10	0.393	0.109			10-2769-8224	07-6472-1931
8		Nov	18	6.598	-3.009	-0.8348			16-8763-9684	16-1712-6379
9		Dec	9	7.073	-2.534	-0.7029			06-5205-5075	06-4488-0087
10			30	6.373	-3.234	-0.8971			18-7488-5141	13-2975-4839
11	2006		15	14.05	4.443	1.232	(+)		08-2048-8086	06-0942-9539
12	2007	Aug	10	7.071	-2.536	-0.7034			10-3491-5621	00-6181-6316
13		Nov	9	7.48	-2.127	-0.5901			04-5353-8618	17-4990-6875

Marine Sediment Bioassay
Static Conditions

Water Quality Measurements
& Test Organism Survival

Client: Internal
Sample ID: $CdCl_2$
Test No.: 071109 nara

Test Species: *N. arenaceodentata*
Start Date/Time: 11/9/2007 1600
End Date/Time: 11/13/2007 1500

Conc.	Rep	Number of Live Organisms		Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)					Percent Survival
		0	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	
Lab Control	A	5	4	30.3	29.9	29.9	29.9	29.3	15.7	20.7	20.2	20.3	20.3	8.3	7.0	7.6	7.4	7.5	7.92	7.87	7.99	8.00	7.96	80
	B	5	5						NA															100
	C	5	5						NA															100
	D	5	3																					60
2.5	A	5	5	30.2	29.9	30.4	30.4	29.3	15.7	20.5	20.0	20.1	20.2	8.2	7.2	7.6	7.5	7.6	7.92	7.90	7.99	8.00	7.98	100
	B	5	5						NA															100
	C	5	5																					100
	D	5	5						NA															100
5	A	5	5	30.1	29.9	30.3	30.4	29.3	15.7	20.5	20.0	20.1	20.1	8.8	7.2	7.7	7.6	7.6	7.93	7.91	7.99	8.00	7.99	100
	B	5	4						NA															80
	C	5	4																					80
	D	5	5						NA															100
10	A	5	2	29.9	29.8	30.2	30.3	29.2	15.7	20.3	20.0	20.0	20.1	8.1	7.3	7.7	7.6	7.5	7.93	7.90	7.97	7.99	7.98	40
	B	5	0						NA															0
	C	5	0																					0
	D	5	0						NA															0
20	A	5	0	29.5	29.5	29.9	29.9	28.8	15.7	20.4	20.0	20.0	20.1	8.2	7.3	7.6	7.5	7.5	7.93	7.90	7.97	7.98	7.98	0
	B	5	0						NA															0
	C	5	0																					0
	D	5	0						NA															0
40	A	5	0	28.8	29.1	29.5	29.5	28.7	15.7	20.4	19.9	20.0	19.9	8.3	7.4	7.7	7.5	7.6	7.94	7.89	7.97	7.97	7.98	0
	B	5	0						NA															0
	C	5	0																					0
	D	5	0																					0
Technician Initials		JT	KL																					

Animal Source/Date Received: Dr. Reish 11/8/07

Age at Initiation: 2-3 weeks post emergence

Comments:
0 hr:
24 hr:
48 hr:
72 hr:
96 hr: No bodies found in LC

QC Check: ES 11/26/07

Final Review: JR 12/20/07

Bivalve

CETIS Summary Report

Report Date: 19 Dec-07 11:52 (p 1 of 1)
Link/Link Code: 14-2882-2721/071114msdv

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Run No:	11-1857-6079	Test Type:	Development	Analyst:	
Start Date:	14 Nov-07 15:30	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Natural Seawater
Ending Date:	16 Nov-07 15:30	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	48h	Source:	Mission Bay	Age:	

Sample No:	12-4088-6653	Code:	071114msdv	Client:	Internal
Sample Date:	14 Nov-07	Material:	Copper chloride	Project:	
Receive Date:	14 Nov-07	Source:	Reference Toxicant		
Sample Age:	16h	Station:			

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
07-1381-9587	Development Rate	< 5	5	N/A	14.0%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-µg/L	95% LCL	95% UCL	Method
05-8788-2230	Development Rate	50	10.4	9.9	11	Trimmed Spearman-Kärber

Development Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.872	0.864	0.88	0.85	0.9	0.00396	0.0217	2.49%	0.0%
5		5	0.708	0.679	0.737	0.6	0.8	0.014	0.0766	10.8%	18.8%
10		5	0.508	0.477	0.539	0.42	0.62	0.0152	0.0835	16.4%	41.7%
20		5	0.06	0.0266	0.0934	0	0.2	0.0163	0.0894	149.0%	93.1%
40		5	0.068	0.047	0.089	0.01	0.15	0.0103	0.0563	82.8%	92.2%
80		5	0	0	0	0	0	0	0		100.0%

Development Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.85	0.88	0.9	0.85	0.88
5		0.6	0.69	0.8	0.69	0.76
10		0.42	0.46	0.62	0.57	0.47
20		0	0	0.2	0	0.1
40		0.15	0.08	0.08	0.01	0.02
80		0	0	0	0	0

Analyst: JR QA: Mu 1/4/08

CETIS Analytical Report

Report Date: 19 Dec-07 11:52 (p 1 of 2)
Link/Link Code: 14-2882-2721/071114msdv

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No: 07-1381-9587 | Endpoint: Development Rate | CETIS Version: CETISv1.6.3
Analyzed: 19 Dec-07 11:51 | Analysis: Parametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	<5	5	N/A		14.0%

Dunnett's Multiple Comparison Test

Control	vs	Conc-µg/L	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		5*	3.03	2.36	0.159	0.0120	Significant Effect
		10*	6.14	2.36	0.159	0.0000	Significant Effect
		20*	15.2	2.36	0.159	0.0000	Significant Effect
		40*	14.3	2.36	0.159	0.0000	Significant Effect
		80*	17.2	2.36	0.159	0.0000	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	5.824617	1.164923	5	103	0.0000	Significant Effect
Error	0.2705327	0.0112722	24			
Total	6.09515	1.176196	29			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	2.9	3.9	0.0346	Equal Variances
Distribution	Shapiro-Wilk Normality	0.946		0.1360	Normal Distribution

Development Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.872	0.864	0.88	0.85	0.9	0.00403	0.0217	2.49%	0.0%
5		5	0.708	0.679	0.737	0.6	0.8	0.0142	0.0766	10.8%	18.8%
10		5	0.508	0.476	0.54	0.42	0.62	0.0155	0.0835	16.4%	41 7%
20		5	0.06	0.026	0.094	0	0.2	0.0166	0.0894	149.0%	93.1%
40		5	0.068	0.0466	0.0894	0.01	0.15	0.0105	0.0563	82.8%	92.2%
80		5	0	0	0	0	0	0	0		100.0%

Angular (Corrected) Transformed Summary

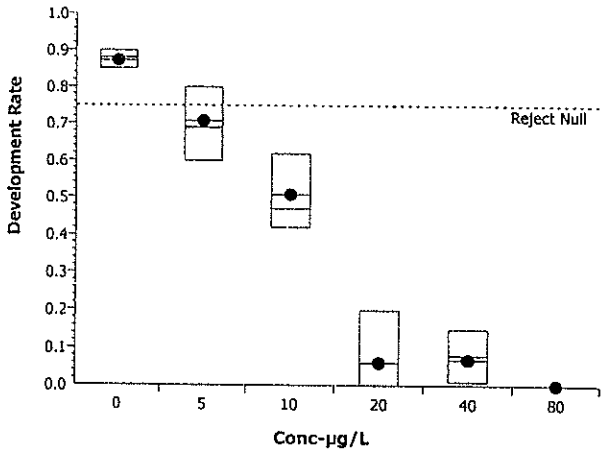
Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	1.21	1.19	1.22	1.17	1.25	0.00606	0.0326	2.71%	0.0%
5		5	1	0.97	1.03	0.886	1.11	0.0157	0.0847	8.44%	16.9%
10		5	0.794	0.762	0.826	0.705	0.907	0.0156	0.084	10.6%	34.2%
20		5	0.187	0.113	0.261	0.05	0.464	0.0361	0.194	104.0%	84.5%
40		5	0.243	0.197	0.289	0.1	0.398	0.0224	0.121	49.8%	79.9%
80		5	0.05	0.05	0.05	0.05	0.05	0	0	0.0%	95.9%

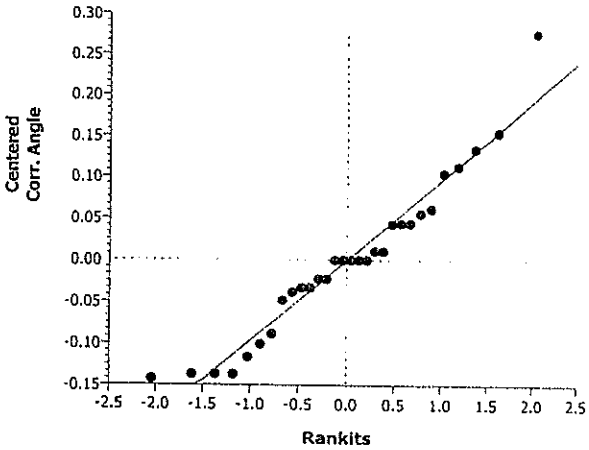
Analyst: JR QA: 1/4/08

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	07-1381-9587	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	19 Dec-07 11:51	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Report Date: 19 Dec-07 11:52 (p 1 of 1)
Link/Link Code: 14-2882-2721/071114msdv

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	05-8788-2230	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	19 Dec-07 11:52	Analysis:	Trimmed Spearman-Kärber	Official Results:	Yes

Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC/LC50	95% LCL	95% UCL
Control Threshold	0.128	18.81%	1.02	0.0113	10.4	9.9	11

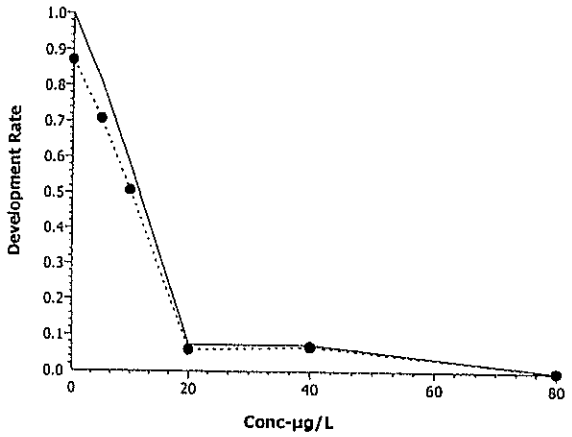
Development Rate Summary

			Calculated Variate(A/B)								
Conc-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	5	0.872	0.85	0.9	0.00396	0.0217	2.49%	0.0%	436	500
5		5	0.708	0.6	0.8	0.014	0.0766	10.8%	18.8%	354	500
10		5	0.508	0.42	0.62	0.0152	0.0835	16.4%	41.7%	254	500
20		5	0.06	0	0.2	0.0163	0.0894	149.0%	93.1%	30	500
40		5	0.068	0.01	0.15	0.0103	0.0563	82.8%	92.2%	34	500
80		5	0	0	0	0	0		100.0%	0	500

Development Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.85	0.88	0.9	0.85	0.88
5		0.6	0.69	0.8	0.69	0.76
10		0.42	0.46	0.62	0.57	0.47
20		0	0	0.2	0	0.1
40		0.15	0.08	0.08	0.01	0.02
80		0	0	0	0	0

Graphics



Analyst: JR QA: MW 1/4/08

Marine Chronic Bioassay **Larval Development Worksheet**

Client: Amec - POLA
Test No.: 0711 - 8021
Test Species: Mytilus
Animal Source: Mission Bay
Date Received: 11/13/07

Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Technician Initials: JR

Test Chambers: 30ml Shell Vials

Sample Volume: 10ml

First Gamete Release Time: 1030

Spawn Information		
Sex	Number	Condition
Male	17	Good
Female	9	Good

Egg Fertilization Time: 1200

Embryo Stock Density Calculation:
Target count on Sedgwick-Rafter slide for desired density is 14-15 embryos

Number Counted:

34	33
28	44
31	30
48	40
31	29

Mean: 34.8

Mean 34.8 X 42 = 1462 embryos/ml

Initial Density: 1462 = 2.44 (dilution factor)
Desired Final Density: 600
(to inoculate with 0.5 ml)

1/1.44 = 50/72

Prepare the embryo stock according to the calculated dilution factor. For example, if the dilution factor is 2.25, use 100 ml of existing stock (1 part) and 125 ml of dilution water (1.25 parts).

Percent Division Upon Inoculation:
dividing embryos: 98
unfertilized/undivided eggs: 2
Percent division: 98
(percent division must be >90% at initiation)

Time Zero Control Counts:
(# of dividing embryos/total #)

Rand. No.	
24	422
28	409
26	419
15	414
27	380

48-h QC: 89%

Comments:

QC Check: EG 11/26/07

Final Review: MA 1/4/08

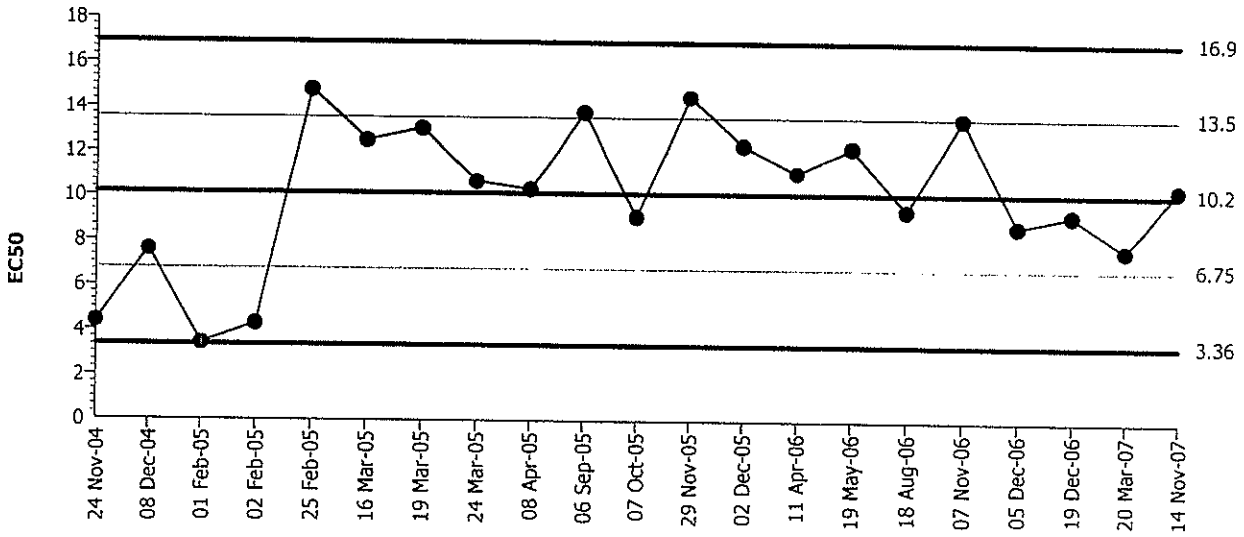
CETIS QC Plot

Report Date: 19 Dec-07 11:53 (1 of 1)

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Type:	Development	**Organism:**	Mytilus galloprovincialis (Bay Mussel	**Material:**	Copper chloride
Protocol:	EPA/600/R-95/136 (1995)	**Endpoint:**	Development Rate	**Source:**	Reference Toxicant-REF

Bivalve Larval Survival and Development Test



Mean:	10.15	**Count:**	20	**-1s Warning Limit:**	6.754	**-2s Action Limit:**	3.358
Sigma:	3.396	**CV:**	33.50%	**+1s Warning Limit:**	13.55	**+2s Action Limit:**	16.94

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Link No	Analysis No
1	2004	Nov	24	4.394	-5.756	-1.695	(-)		02-7516-8886	19-8822-1821
2		Dec	8	7.607	-2.543	-0.7489			10-3312-6047	05-3781-6003
3	2005	Feb	1	3.434	-6.716	-1.977	(-)		09-1499-2257	05-3428-2661
4			2	4.305	-5.845	-1.721	(-)		11-4568-9952	02-8162-7236
5			25	14.79	4.644	1.368	(+)		18-2227-1308	09-6783-6978
6		Mar	16	12.52	2.369	0.6977			05-8843-9058	11-8806-4982
7			19	13.04	2.887	0.8503			00-8829-7860	09-1587-4109
8			24	10.68	0.5347	0.1575			10-3715-6517	04-1087-0414
9		Apr	8	10.34	0.1869	0.05502			06-1274-7269	05-3756-2498
10		Sep	6	13.8	3.649	1.074	(+)		09-5088-2376	11-0647-5866
11		Oct	7	9.116	-1.034	-0.3045			08-3821-7277	11-9420-5704
12		Nov	29	14.51	4.363	1.285	(+)		09-7092-7137	06-0578-2090
13		Dec	2	12.34	2.193	0.6458			06-3938-1478	14-4819-0392
14	2006	Apr	11	11.13	0.9789	0.2883			13-1560-4364	18-5211-1638
15		May	19	12.26	2.108	0.6207			01-8741-8416	12-4367-2843
16		Aug	18	9.425	-0.7247	-0.2134			10-7225-5585	08-3461-2556
17		Nov	7	13.54	3.39	0.9984			11-8289-2622	10-5751-2578
18		Dec	5	8.748	-1.402	-0.4129			15-4194-4932	01-5729-2363
19			19	9.252	-0.8979	-0.2644			10-1595-3369	08-1146-2826
20	2007	Mar	20	7.696	-2.454	-0.7227			09-5323-3889	09-9136-7219
21		Nov	14	10.43	0.2829	0.08331			14-2882-2721	05-8788-2230

Marine Chronic Bioassay **Water Quality Measurements**

Client: Internal
Sample ID: $CuCl_2$
Sample Log No.: 07- — A B C

Test Species: *M. galloprovincialis*
Start Date/Time: 11/14/2007 1530
End Date/Time: 11/16/2007 1530
Test No.: 071114 msdv

Concentration (µg/L)	Salinity (ppt)			Temperature (°C)			Dissolved Oxygen (mg/L)			pH (pH units)		
	0	24	48	0	24	48	0	24	48	0	24	48
Lab Control	33.9	33.9	33.7	14.9	14.5	14.5	8.1	7.9	8.2	7.97	7.85	7.80
5	33.9	34.1	34.1	14.9	14.1	14.2	8.1	8.0	8.3	7.98	7.86	7.81
10	33.8	34.1	34.3	14.9	13.8	13.9	8.0	8.0	8.4	7.97	7.83	7.81
20	33.8	34.1	34.2	14.9	14.3	14.3	8.0	8.0	8.3	7.97	7.84	7.81
40	33.7	34.1	34.1	14.9	13.9*	14.1	8.1	8.0	8.3	7.96	7.83	7.81
80	33.5	34.1	34.3	14.9	13.7*	13.7 ⊛	8.1	8.1	8.4	7.92	7.83	7.81

Technician Initials:

0	24	48
JR	DF	DF

Animal Source/Date Received: mission bay 11/13/07

Comments:
0 hrs:
24 hrs: ~~* temp out of range of 15°C ±1° JR~~
48 hrs: ~~⊛ = temp is lower than standard required range 15°C ±1 JR~~
AC

QC Check: EG 11/26/07

Final Review: MA 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:01 (p 1 of 1)
Link/Link Code: 14-2882-2721/071114msdv

Bivalve Larval Survival and Development Test — **Nautilus Environmental (CA)**

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	071114msdv
Ending Date:	16 Nov-07	**Protocol:**	~~EPA/600/R-95/136 (1995)~~ Grace	**Sample Source:**	Reference Toxicant
Sample Date:	14 Nov-07	**Material:**	Copper chloride	**Sample Station:**	

Conc-µg/L	Code	Rep	Pos	# Counted	# Normal	Notes
0	LC	1	24	100	85	total cells: 345
0	LC	2	28	100	88	348
0	LC	3	26	100	90	300
0	LC	4	15	100	83	322
0	LC	5	27	100	88	318
5		1	1			
5		2	10			
5		3	14			
5		4	29			
5		5	4			
10		1	30			
10		2	6			
10		3	19			
10		4	25			
10		5	17			
20		1	11			
20		2	9			
20		3	22			
20		4	8			
20		5	12			
40		1	3			
40		2	23			
40		3	20			
40		4	16			
40		5	18			
80		1	5			
80		2	13			
80		3	7			
80		4	21			
80		5	2			

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:01 (p 1 of 1)
Link/Link Code: 14-2882-2721/071114msdv

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Start Date:	14 Nov-07	Species:	Mytilus galloprovincialis	Sample Code:	071114msdv
Ending Date:	16 Nov-07	Protocol:	EPA/600/R-95/136 (1995)	Sample Source:	Reference Toxicant
Sample Date:	14 Nov-07	Material:	Copper chloride	Sample Station:	

Conc-µg/L	Code	Rep	Pos	# Counted	# Normal	Notes
			1	100	60	
			2	100	? 0	All cells lysed.
			3	100	15	
			4	100	76	
			5	100	? 0	All cells lysed.
			6	100	46	
			7	100	0	All cells lysed.
			8	100	0	
			9	100	0	
			10	100	69	
			11	100	0	
			12	100	10	
			13	100	? 0	All cells lysed.
			14	100	80	
			15	100	~~85~~ 38	
			16	~~100~~	~~88~~ 1	
			17	100	47	
			18	100	2	
			19	100	62	
			20	100	8	
			21	100	? 0	All cells lysed
			22	100	20	
			23	100	8	
			24	100	85	
			25	100	57	
			26	100	90	
			27	100	88	
			28	100	88	
			29	100	69	
			30	100	42	

Analyst: DW QA: [illegible] 1/4/08

Menidia

CETIS Summary Report

Report Date: 26 Nov-07 09:29 (p 1 of 1)
Link/Link Code: 02-3474-4840/071114mbra

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	05-9876-9827	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 12:35	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 10:35	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	13 d

Sample No:	05-3451-1876	Code:	071114mbra	Client:	Internal
Sample Date:	14 Nov-07	Material:	Copper chloride	Project:	
Receive Date:	14 Nov-07	Source:	Reference Toxicant		
Sample Age:	13h	Station:	Copper Chloride		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
12-9150-1153	96h Survival Rate	200	400	283	29.6%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-µg/L	95% LCL	95% UCL	Method
03-7096-7735	96h Survival Rate	50	185	147	232	Trimmed Spearman-Kärber

Test Acceptability

Analysis No	Endpoint	Attribute	Test Stat	Acceptability Limits	Overlap	Decision
03-7096-7735	96h Survival Rate	Control Resp	0.95	0.9 - NL	Yes	Passes acceptability criteria
12-9150-1153	96h Survival Rate	Control Resp	0.95	0.9 - NL	Yes	Passes acceptability criteria

96h Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
50		4	0.8	0.739	0.861	0.6	1	0.0298	0.163	20.4%	15.8%
100		4	0.8	0.714	0.886	0.6	1	0.0422	0.231	28.9%	15.8%
200		4	0.45	0.338	0.562	0.2	0.8	0.0548	0.3	66.7%	52.6%
400		4	0	0	0	0	0	0	0		100.0%
800		4	0	0	0	0	0	0	0		100.0%

96h Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	1	0.8	1
50		0.8	0.8	1	0.6
100		1	0.6	1	0.6
200		0.2	0.8	0.6	0.2
400		0	0	0	0
800		0	0	0	0

Analyst: KL QA: 11/27/07

CETIS Analytical Report

Report Date: 26 Nov-07 09:29 (p 1 of 2)
Link/Link Code: 02-3474-4840/071114mbra

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	12-9150-1153	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	26 Nov-07 9:29	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	200	400	283	0.5	29.6%

Steel Many-One Rank Test

Control	vs	Conc-µg/L	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		50	13.5	10	2	0.2850	Non-Significant Effect
		100	15	10	1	0.4760	Non-Significant Effect
		200	10.5	10	1	0.0586	Non-Significant Effect
		400*	10	10	0	0.0417	Significant Effect
		800*	10	10	0	0.0417	Significant Effect

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.95	0.9 - NL	Yes	Passes acceptability criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	4.382656	0.8765312	5	23.6	0.0000	Significant Effect
Error	0.667397	0.0370776	18			
Total	5.050053	0.9136088	23			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	7.15	4.25	0.0008	Unequal Variances
Distribution	Shapiro-Wilk Normality	0.91		0.0351	Normal Distribution

96h Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
50		4	0.8	0.738	0.862	0.6	1	0.0303	0.163	20.4%	15.8%
100		4	0.8	0.712	0.888	0.6	1	0.0429	0.231	28.9%	15.8%
200		4	0.45	0.336	0.564	0.2	0.8	0.0557	0.3	66.7%	52.6%
400		4	0	0	0	0	0	0	0		100.0%
800		4	0	0	0	0	0	0	0		100.0%

Rank Transformed Summary

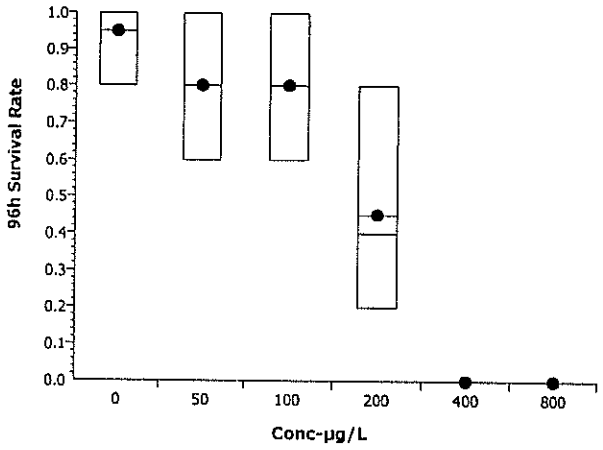
Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	20.3	19.3	21.2	16.5	21.5	0.464	2.5	12.3%	0.0%
50		4	16.8	15.3	18.2	12.5	21.5	0.684	3.69	22.0%	17.3%
100		4	17	15	19	12.5	21.5	0.965	5.2	30.6%	16.0%
200		4	12	10.7	13.3	9.5	16.5	0.616	3.32	27.6%	40.7%
400		4	4.5	4.5	4.5	4.5	4.5	0	0	0.0%	77.8%
800		4	4.5	4.5	4.5	4.5	4.5	0	0	0.0%	77.8%

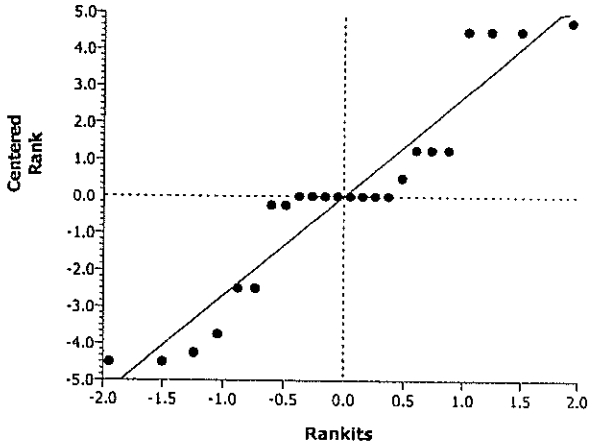
Analyst: KL QA: 11/27/07

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	12-9150-1153	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	26 Nov-07 9:29	**Analysis:**	Nonparametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Analytical Report

Report Date: 26 Nov-07 09:29 (p 1 of 1)
Link/Link Code: 02-3474-4840/071114mbra

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	03-7096-7735	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	26 Nov-07 9:29	Analysis:	Trimmed Spearman-Kärber	Official Results:	Yes

Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC/LC50	95% LCL	95% UCL
Control Threshold	0.05	15.79%	2.27	0.0497	185	147	232

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.95	0.9 - NL	Yes	Passes acceptability criteria

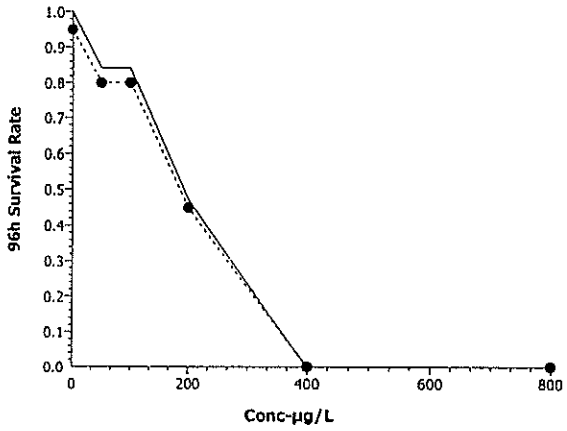
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	19	20
50		4	0.8	0.6	1	0.0298	0.163	20.4%	15.8%	16	20
100		4	0.8	0.6	1	0.0422	0.231	28.9%	15.8%	16	20
200		4	0.45	0.2	0.8	0.0548	0.3	66.7%	52.6%	9	20
400		4	0	0	0	0	0		100.0%	0	20
800		4	0	0	0	0	0		100.0%	0	20

96h Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	1	0.8	1
50		0.8	0.8	1	0.6
100		1	0.6	1	0.6
200		0.2	0.8	0.6	0.2
400		0	0	0	0
800		0	0	0	0

Graphics

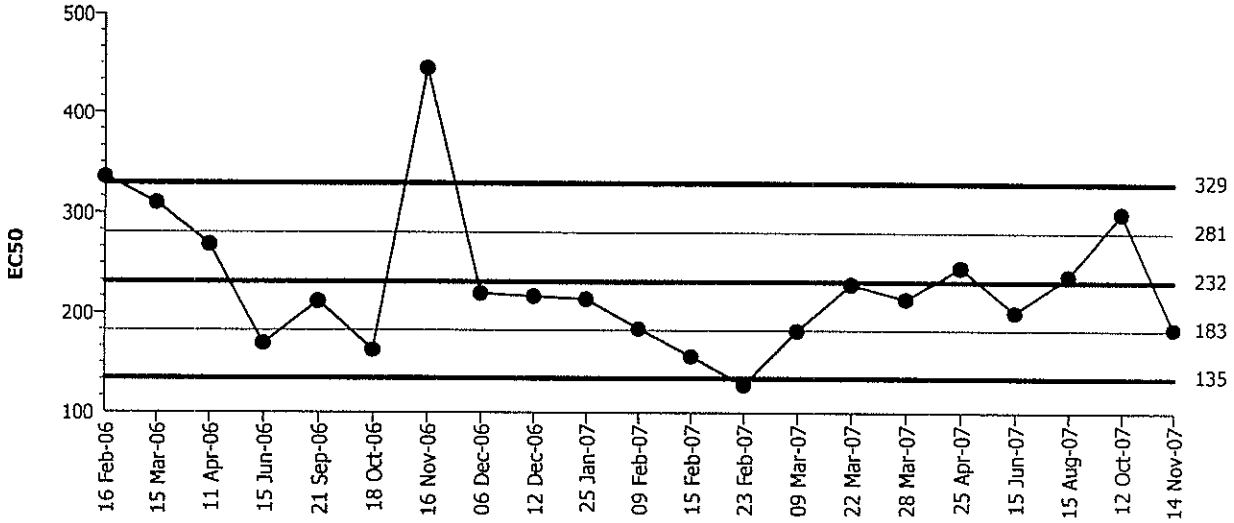


Analyst: KC QA: 11/27/07

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Type:	Survival (96h)	**Organism:**	Menidia beryllina (Inland Silverside)	**Material:**	Copper chloride
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	Reference Toxicant-REF

Inland Silverside 96-h Acute Survival Test



Mean:	231.9	**Count:**	20	**-1s Warning Limit:**	183.2	**-2s Action Limit:**	134.5
Sigma:	48.7	**CV:**	21.00%	**+1s Warning Limit:**	280.6	**+2s Action Limit:**	329.3

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Link No	Analysis No
1	2006	Feb	16	335.6	103.7	2.13	(+)	(+)	05-8437-1509	03-6826-1463
2		Mar	15	310	78.1	1.604	(+)		05-1484-7869	17-5877-4770
3		Apr	11	268.9	37.04	0.7605			12-3862-0219	07-8503-0109
4		Jun	15	169.7	-62.21	-1.277	(-)		11-5917-2357	08-4247-4503
5		Sep	21	212.2	-19.67	-0.4038			16-8792-0849	08-0905-3029
6		Oct	18	163.2	-68.65	-1.41	(-)		07-7702-1183	20-3589-4130
7		Nov	16	445.8	213.9	4.393	(+)	(+)	03-0546-1601	12-6196-6891
8		Dec	6	220.2	-11.75	-0.2413			12-7180-6728	06-6257-4054
9			12	217.3	-14.62	-0.3002			11-7173-7306	16-7085-7476
10	2007	Jan	25	214.4	-17.55	-0.3603			13-8192-0704	09-2956-8901
11		Feb	9	184.6	-47.27	-0.9707			11-3709-5245	12-8259-2780
12			15	156.9	-74.98	-1.54	(-)		04-5070-5444	12-0759-2589
13			23	128.1	-103.8	-2.132	(-)	(-)	00-7227-0129	06-7019-7030
14		Mar	9	182.6	-49.33	-1.013	(-)		15-7442-9569	02-5667-2664
15			22	229.2	-2.728	-0.05602			11-4314-2392	02-2380-2919
16			28	214.4	-17.55	-0.3603			15-9252-3761	08-1545-1989
17		Apr	25	246.2	14.33	0.2942			13-4650-1011	02-9209-9553
18		Jun	15	201.2	-30.72	-0.6308			05-2813-0640	20-3261-9210
19		Aug	15	237.8	5.941	0.122			13-6078-9153	11-9590-1618
20		Oct	12	300.5	68.59	1.408	(+)		18-3011-1068	04-3259-8863
21		Nov	14	184.6	-47.27	-0.9707			02-3474-4840	03-7096-7735

Marine Acute Bioassay
Static-Renewal Conditions

Water Quality Measurements
& Test Organism Survival

Client: Internal
Sample ID: $CuCl_2$
Test No.: 071114mbra

Test Species: *M. beryllina*
Start Date/Time: 11/14/2007 1235
End Date/Time: 11/18/2007 1035

	Tech Initials				
	0	24	48	72	96
Counts:	JT/NH	EG	ES	JT	KL
Readings:	EG	NH	B	JT	EG

Concentration __(µg/L)__	Rep	Number of Live Organisms					Salinity (ppt)					Temperature (°C)					Dissolved Oxygen (mg/L)					pH (units)				
		0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96	0	24	48	72	96
Lab Control	A	5	5	5	5	5	29.9	30.3	i 29.0	30.6	30.7	24.7	24.8	i 25.8	25.0	25.5	8.6	5.6	i 7.6	6.0	6.4	8.02	7.79	i 7.89	7.75	7.81
	B	5	5	5	5	5			f 30.8					f 25.3					f 5.7					f 7.84		
	C	5	5	5	5	4																				
	D	5	5	5	5	5																				
50	A	5	5	4	4	4	29.9	30.1	i 28.8	30.3	30.5	24.7	24.9	i 24.8	25.4	25.6	7.2	5.7	i 7.4	6.1	6.4	7.78	7.81	i 7.90	7.72	7.85
	B	5	4	4	4	4			f 31.2					f 25.3					f 5.8					f 7.84		
	C	5	5	5	5	5																				
	D	5	3	3	3	3																				
100	A	5	5	5	5	5	29.8	30.0	i 28.5	29.9	30.2	24.6	24.9	i 25.0	25.4	25.4	7.1	5.8	i 7.5	6.2	6.6	7.99	7.83	i 7.91	7.78	7.86
	B	5	4	3	3	3			f 31.0					f 25.1					f 5.8					f 7.85		
	C	5	5	5	5	5																				
	D	5	3	3	3	3																				
200	A	5	1	1	1	1	29.4	29.7	i 28.2	29.3	29.8	24.6	24.8	i 25.3	25.2	25.3	7.1	5.7	i 7.4	6.3	6.8	7.99	7.80	i 7.90	7.81	7.89
	B	5	4	4	4	4			f 30.6					f 25.3					f 5.9					f 7.82		
	C	5	3	3	3	3																				
	D	5	1	1	1	1																				
400	A	5	0				29.0	28.8	i —	—	—	24.6	24.7	i —	—	—	7.1	5.4	i —	—	—	7.99	7.76	i —	—	—
	B	5	0						f					f					f					f		
	C	5	0																							
	D	5	0																							
800	A	5	0				27.3	27.3	i —	—	—	24.6	24.7	i —	—	—	7.2	5.5	i —	—	—	7.97	7.71	i —	—	—
	B	5	0						f					f					f					f		
	C	5	0																							
	D	5	0																							
	A								i					i					i					i		
	B								f					f					f					f		
	C																									
	D																									

Animal Source/Date Received: ABS/11.13.07
Age at Initiation: 13d.

	Feeding Times				
	0	24	48	72	96
AM:	—	0745	0730	0835	1150
PM:	1535	—	—	—	—

Comments: i = initial reading in fresh test solution, f = final reading in test chamber prior to renewal
Animals fed prior to initiation

QC Check: KL 11/20/07

Final Review: [signature] 11/27/07

Mysid

CETIS Summary Report

Report Date: 26 Nov-07 09:26 (p 1 of 1)
Link/Link Code: 16-4362-8020/071114myra

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	14-2502-0968	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 14:45	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 12:50	Species:	Americamysis bahia	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	5 d

Sample No:	20-2054-8683	Code:	071114myra	Client:	Internal
Sample Date:	14 Nov-07	Material:	Copper chloride	Project:	
Receive Date:	14 Nov-07	Source:	Reference Toxicant		
Sample Age:	15h	Station:	Copper Chloride		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
19-1081-5966	96h Survival Rate	200	400	283	26.6%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-µg/L	95% LCL	95% UCL	Method
12-3241-5879	96h Survival Rate	50	293	245	350	Trimmed Spearman-Kärber

96h Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
50		4	1	1	1	1	1	0	0	0.0%	-5.26%
100		4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
200		4	0.808	0.747	0.87	0.6	1	0.03	0.164	20.3%	14.9%
400		4	0.217	0.0992	0.334	0	0.667	0.0574	0.314	145.0%	77.2%
800		4	0	0	0	0	0	0	0		100.0%

96h Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	1	1	1
50		1	1	1	1
100		1	1	0.8	1
200		1	0.833	0.8	0.6
400		0	0.2	0	0.667
800		0	0	0	0

Analyst: KL QA: JR 12/6/07

CETIS Analytical Report

Report Date: 26 Nov-07 09:26 (p 1 of 2)
Link/Link Code: 16-4362-8020/071114myra

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No: 19-1081-5966 | Endpoint: 96h Survival Rate | CETIS Version: CETISv1.6.3
Analyzed: 26 Nov-07 9:26 | Analysis: Nonparametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	200	400	283	0.5	26.6%

Steel Many-One Rank Test

Control	vs	Conc-µg/L	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		50	20	10	1	0.9520	Non-Significant Effect
		100	18	10	2	0.8330	Non-Significant Effect
		200	14	10	2	0.3450	Non-Significant Effect
		400*	10	10	0	0.0417	Significant Effect
		800*	10	10	0	0.0417	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	4.747375	0.9494751	5	31.1	0.0000	Significant Effect
Error	0.5497617	0.0305423	18			
Total	5.297137	0.9800174	23			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	1.88	4.25	0.1480	Equal Variances
Distribution	Shapiro-Wilk Normality	0.83		0.0010	Non-normal Distribution

96h Survival Rate Summary

Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
50		4	1	1	1	1	1	0	0	0.0%	-5.26%
100		4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
200		4	0.808	0.746	0.871	0.6	1	0.0305	0.164	20.3%	14.9%
400		4	0.217	0.0971	0.336	0	0.667	0.0584	0.314	145.0%	77.2%
800		4	0	0	0	0	0	0	0		100.0%

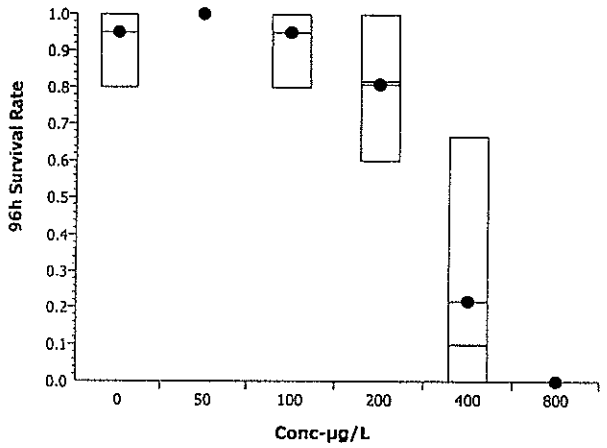
Rank Transformed Summary

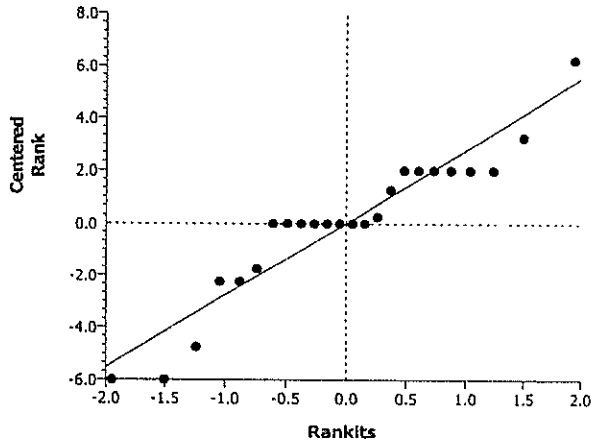
Conc-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	17	15.5	18.5	11	19	0.743	4	23.5%	0.0%
50		4	19	19	19	19	19	0	0	0.0%	-11.8%
100		4	17	15.5	18.5	11	19	0.743	4	23.5%	0.0%
200		4	12.8	11	14.5	8	19	0.863	4.65	36.4%	25.0%
400		4	5.75	4.71	6.79	3.5	9	0.506	2.72	47.4%	66.2%
800		4	3.5	3.5	3.5	3.5	3.5	0	0	0.0%	79.4%

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	19-1081-5966	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	26 Nov-07 9:26	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Report Date: 26 Nov-07 09:26 (p 1 of 1)
Link/Link Code: 16-4362-8020/071114myra

Mysid 96-h Acute Survival Test

Nautilus Environmental (CA)

Analysis No:	12-3241-5879	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	26 Nov-07 9:26	Analysis:	Trimmed Spearman-Kärber	Official Results:	Yes

Spearman-Kärber Estimates

Threshold Option	Threshold	Trim	Mu	Sigma	EC/LC50	95% LCL	95% UCL
Control Threshold	0.05	0.00%	2.47	0.0388	293	245	350

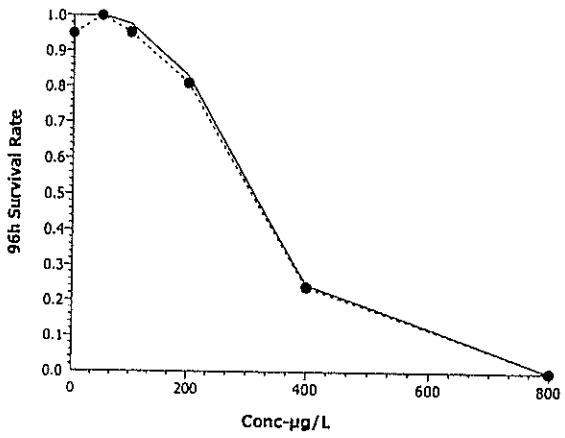
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	19	20
50		4	1	1	1	0	0	0.0%	-5.26%	20	20
100		4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	20	21
200		4	0.808	0.6	1	0.03	0.164	20.3%	14.9%	17	21
400		4	0.217	0	0.667	0.0574	0.314	145.0%	77.2%	5	21
800		4	0	0	0	0	0		100.0%	0	22

96h Survival Rate Detail

Conc-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	1	1	1
50		1	1	1	1
100		1	1	0.8	1
200		1	0.833	0.8	0.6
400		0	0.2	0	0.667
800		0	0	0	0

Graphics



Analyst: KL QA: JR 12/6/07

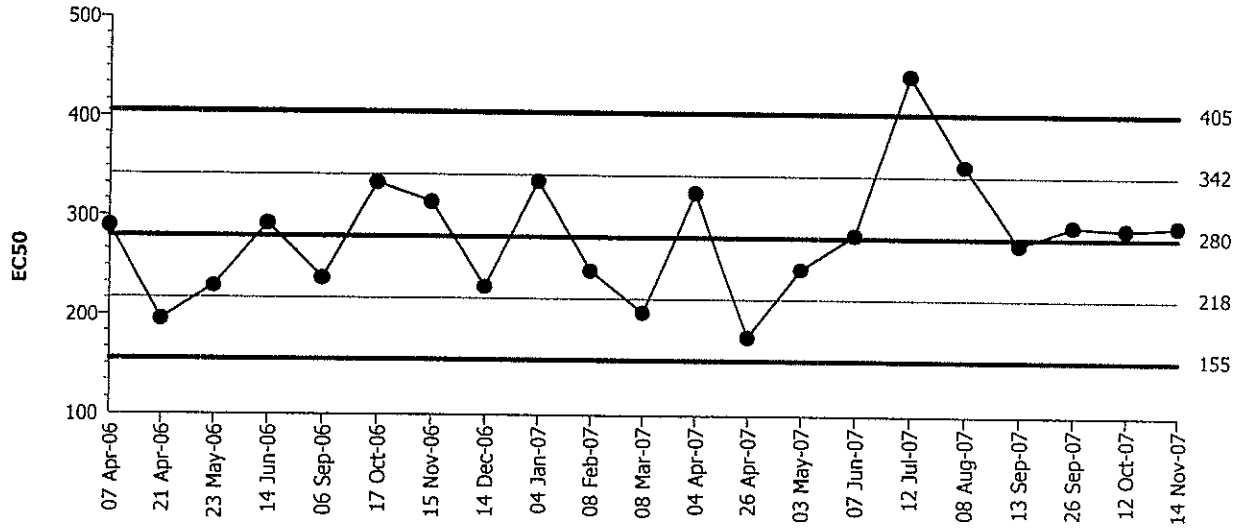
CETIS QC Plot

Report Date: 26 Nov-07 09:26 (1 of 1)

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Type:	Survival (96h)	**Organism:**	Americamysis bahia (Opossum Shri	**Material:**	Copper chloride
Protocol:	EPA/821/R-02-012 (2002)	**Endpoint:**	96h Survival Rate	**Source:**	Reference Toxicant-REF

Mysid 96-h Acute Survival Test



Mean:	280	**Count:**	20	**-1s Warning Limit:**	217.5	**-2s Action Limit:**	155.1
Sigma:	62.47	**CV:**	22.30%	**+1s Warning Limit:**	342.5	**+2s Action Limit:**	404.9

Quality Control Data

Point	Year	Month	Day	QC Data	Delta	Sigma	Warning	Action	Link No	Analysis No
1	2006	Apr	7	289.9	9.872	0.158			10-7604-8051	08-5692-9495
2			21	195.4	-84.57	-1.354	(-)		15-6756-3183	06-5233-9526
3		May	23	229.7	-50.26	-0.8046			11-9475-6260	06-8622-4552
4		Jun	14	292.8	12.82	0.2052			02-6374-7792	13-5081-3546
5		Sep	6	238.1	-41.87	-0.6703			10-7601-4711	07-9688-3591
6		Oct	17	334.4	54.35	0.8701			03-8653-6688	07-4968-0172
7		Nov	15	314.7	34.67	0.555			17-1105-8528	08-4548-2558
8		Dec	14	229.7	-50.26	-0.8046			19-6835-8485	06-1310-3313
9	2007	Jan	4	336.4	56.36	0.9022			07-8571-0243	08-0025-8153
10		Feb	8	246.2	-33.77	-0.5406			00-6682-2702	04-7122-7536
11		Mar	8	203.7	-76.32	-1.222	(-)		03-8099-5618	15-0422-2541
12		Apr	4	324.9	44.9	0.7188			07-2249-3404	04-5480-1590
13			26	179.4	-100.6	-1.611	(-)		13-0264-0673	13-6748-2170
14		May	3	248.6	-31.45	-0.5034			11-0913-6772	15-8109-4996
15		Jun	7	282.8	2.843	0.04551			17-7607-2134	18-3456-9207
16		Jul	12	443.8	163.8	2.623	(+)	(+)	11-8980-4154	20-4540-7224
17		Aug	8	353.2	73.16	1.171	(+)		21-4360-0746	04-5371-7203
18		Sep	13	273.8	-6.202	-0.09928			19-0570-1682	20-6165-5813
19			26	292.8	12.82	0.2052			05-2902-0147	04-6896-2913
20		Oct	12	289.9	9.872	0.158			06-6710-9548	05-8627-2723
21		Nov	14	293.1	13.08	0.2093			16-4362-8020	12-3241-5879

Marine Acute Bioassay
Static-Renewal Conditions

Water Quality Measurements
& Test Organism Survival

Client: Internal
Sample ID: $CuCl_2$
Test No.: 071114myra

Test Species: *A. bahia*
Start Date/Time: 11/14/2007 1445
End Date/Time: 11/18/2007 1250

Tech Initials	0	24	48	72	96
Counts:	DW/RA	NH	ES	JT	KC
Readings:	SG	DF	ES	JT	EG

Concentration (µg/L)	Rep	Number of Live Organisms 0	24	48	72	96	Salinity (ppt) 0	24	48	72	96	Temperature (°C) 0	24	48	72	96	Dissolved Oxygen (mg/L) 0	24	48	72	96	pH (units) 0	24	48	72	96
Lab Control	A	5	4	4	4	4	29.9	30.0	f 29.0	29.6	30.7	24.7	24.6	f 24.6	24.9	24.3	8.6	6.3	f 7.5	6.0	7.6	8.02	7.77	f 7.91	7.68	8.10
	B	5	5	5	5	5			f 30.2					f 24.6					f 5.8					f 7.82		
	C	5	5	5	5	5																				
	D	5	5	5	5	5																				
50	A	5	5	5	5	5	29.9	29.8	f 28.7	29.3	31.2	24.7	24.7	f 24.6	25.0	24.3	7.2	6.4	f 7.6	6.0	7.6	7.98	7.79	f 7.88	7.67	8.11
	B	5	5	5	5	5			f 30.2					f 24.6					f 6.0					f 7.83		
	C	5	5	5	5	5																				
	D	5	5	5	5	0																				
100	A	5	5	5	5	5	29.8	30	f 28.5	29.4	30.1	24.6	24.6	f 24.7	25.0	24.2	7.1	6.3	f 7.5	5.5 (A)	7.6	7.99	7.77	f 7.91	7.67	8.11
	B	5 6	6	6	6	6			f 30.4					f 24.6					f 5.9					f 7.83		
	C	5	4	4	4	4																				
	D	5	5	5	5	5																				
200	A	5	5	5	5	5	29.4	29.3	f 28.2	29.1	29.6	24.6	24.6	f 25.0	25.0	24.2	7.1	6.5	f 7.4	6.1	7.5	7.99	7.79	f 7.90	7.76	8.09
	B	ES 5 6	ES 6 5	6	6	5			f 29.9					f 24.5					f 6.1					f 7.85		
	C	5	5	5	5	4																				
	D	5	5	4	4	3																				
400	A	5	2	2	0	–	29.0	30	f 27.8	28.4	28.9	24.6	24.6	f 24.9	25.1	24.2	7.2	6.7	f 7.5	5.7 (A)	7.7	7.99	7.8	f 7.90	7.71	8.10
	B	5	3	2	~~0~~ 1	1			f 29.4					f 24.6					f 6.1					f 7.85		
	C	5	3	1	0	–																				
	D	ES 6	ES 6	6	5	4																				
800	A	5	0	0	–	–	27.3	27.3	f –	–	–	24.6	24.9	f –	–	–	7.2	6.4	f –	–	–	7.97	7.72	f –	–	–
	B	5	0	0	–	–			f 27.8					f 24.7					f 5.9					f 7.83		
	C	ES 6	0	0	–	–																				
	D	ES 6	1	0	–	–																				

Animal Source/Date Received: ABS | 11·13·07
Age at Initiation: 5 day

Feeding Times	0	24	48	72	96
AM:	–	0945	~~1530~~ 0830	0830	0830
PM:	1535	1500	1645	1530	–

Comments: I = initial reading in fresh test solution, f = final reading in test chamber prior to renewal
Animals fed prior to initiation
~~Test set up on air~~ AF

QC Check: (A) Put on aeration
KL 11/20/07

Final Review: JR 12/6/07

Appendix D
Statistical Results

Appendix Table D-1. Summary of Solid-Phase One-way ANOVAs
AMEC - POLA Berths 145-147
Amphipod and Polychaete Survival

Amphipod Survival

Parameter	Value	Data Set-B	Data Set-C
Table Analyzed			
ArcsinSQRT of Amphipod Survival			
One-way analysis of variance			
P value	P<0.0001		
P value summary	***		
Are means signif. different? (P < 0.05)	Yes		
Number of groups	6		
F	12.96		
R squared	0.7298		
Bartlett's test for equal variances			
Bartlett's statistic (corrected)	9.897		
P value	0.0782		
P value summary	ns		
Do the variances differ signif. (P < 0.05)	No		
ANOVA Table	SS	df	MS
Treatment (between columns)	0.4643	5	0.09286
Residual (within columns)	0.1719	24	0.007163
Total	0.6362	29	

Polychaete Survival

Parameter	Value	Data Set-B	Data Set-C
Table Analyzed			
...Worm ArcsinSQRT of Survival			
One-way analysis of variance			
P value	0.2438		
P value summary	ns		
Are means signif. different? (P < 0.05)	No		
Number of groups	6		
F	1.447		
R squared	0.2316		
Bartlett's test for equal variances			
Bartlett's statistic (corrected)	124.6		
P value	P<0.0001		
P value summary	***		
Do the variances differ signif. (P < 0.05)	Yes		
ANOVA Table	SS	df	MS
Treatment (between columns)	0.08133	5	0.01627
Residual (within columns)	0.2698	24	0.01124
Total	0.3511	29	

Appendix D-2. Summary of Suspended Particulate-Phase Statistics

AMEC - POLA Berths 145-147

Bivalve

CETIS Summary Report

Report Date: 28 Dec-07 10:07 (p 1 of 1)
Link/Link Code: 03-9244-3621/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Run No:	07-5214-1674	Test Type:	Development	Analyst:	
Start Date:	14 Nov-07 15:30	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Diluted Natural Seawater
Ending Date:	16 Nov-07 15:30	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	48h	Source:	Mission Bay	Age:	

Sample No:	19-0043-7219	Code:	1900437219	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	6h	Station:	1C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
07-7806-3186	Development Rate	100	> 100	N/A	12.1%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
01-0728-7037	Development Rate	25	> 100	N/A	N/A	Linear Interpolation (ICPIN)
		50	> 100	N/A	N/A	

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.818	0.813	0.823	0.8	0.83	0.00238	0.013	1.59%	0.0%
10		5	0.716	0.67	0.762	0.56	0.83	0.0223	0.122	17.0%	12.5%
50		5	0.734	0.71	0.758	0.65	0.81	0.0119	0.065	8.86%	10.3%
100		5	0.776	0.756	0.796	0.7	0.83	0.00971	0.0532	6.86%	5.13%

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.83	0.81	0.83	0.82	0.8
10		0.83	0.79	0.61	0.79	0.56
50		0.81	0.74	0.65	0.69	0.78
100		0.83	0.75	0.78	0.82	0.7

CETIS Analytical Report

Report Date: 04 Dec-07 17:27 (p 1 of 1)
Link/Link Code: 03-9244-3621/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No: 07-7806-3186 | Endpoint: Development Rate | CETIS Version: CETISv1.6.3
Analyzed: 04 Dec-07 17:26 | Analysis: Parametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	100	>100	N/A	1	12.1%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	2.17	2.23	0.118	0.0552	Non-Significant Effect
		50	1.87	2.23	0.118	0.0934	Non-Significant Effect
		100	0.953	2.23	0.118	0.3500	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0403593	0.0134531	3	1.93	0.1660	Non-Significant Effect
Error	0.1116805	0.0069800	16			
Total	0.1520398	0.0204331	19			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	11	11.3	0.0115	Equal Variances
Distribution	Shapiro-Wilk Normality	0.971		0.7700	Normal Distribution

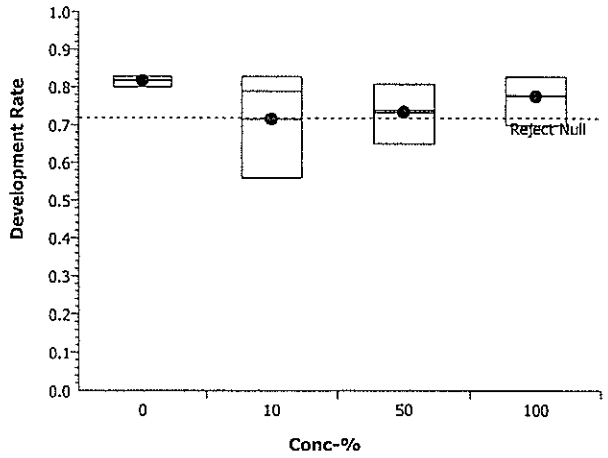
Development Rate Summary

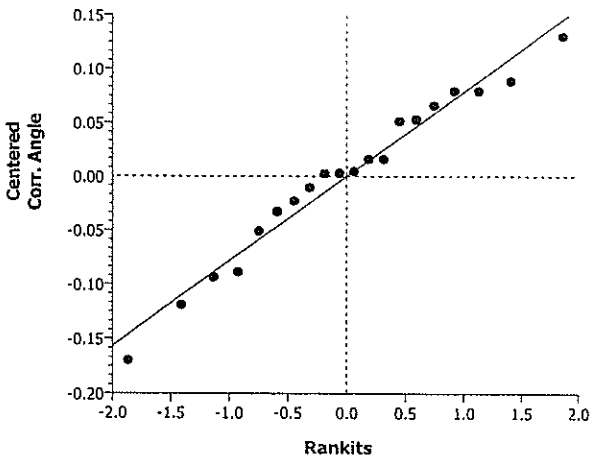
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.818	0.813	0.823	0.8	0.83	0.00242	0.013	1.59%	0.0%
10		5	0.716	0.67	0.762	0.56	0.83	0.0227	0.122	17.0%	12.5%
50		5	0.734	0.709	0.759	0.65	0.81	0.0121	0.065	8.86%	10.3%
100		5	0.776	0.756	0.796	0.7	0.83	0.00988	0.0532	6.86%	5.13%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	1.13	1.12	1.14	1.11	1.15	0.00313	0.0168	1.49%	0.0%
10		5	1.02	0.964	1.07	0.846	1.15	0.025	0.135	13.3%	10.2%
50		5	1.03	1	1.06	0.938	1.12	0.0137	0.0739	7.16%	8.76%
100		5	1.08	1.06	1.1	0.991	1.15	0.0118	0.0634	5.87%	4.46%

Graphics





Analyst: JR QA: 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:27 (p 1 of 1)
Link/Link Code: 03-9244-3621/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	01-0728-7037	**Endpoint:**	Development Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	04 Dec-07 17:27	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	5334240	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
25	> 100	N/A	N/A
50	> 100	N/A	N/A

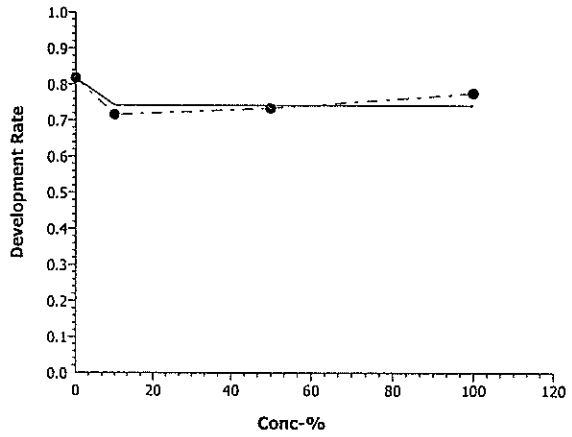
Development Rate Summary

										Calculated Variate(A/B)	
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	5	0.818	0.8	0.83	0.00238	0.013	1.59%	0.0%	409	500
10		5	0.716	0.56	0.83	0.0223	0.122	17.0%	12.5%	358	500
50		5	0.734	0.65	0.81	0.0119	0.065	8.86%	10.3%	367	500
100		5	0.776	0.7	0.83	0.00971	0.0532	6.86%	5.13%	388	500

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.83	0.81	0.83	0.82	0.8
10		0.83	0.79	0.61	0.79	0.56
50		0.81	0.74	0.65	0.69	0.78
100		0.83	0.75	0.78	0.82	0.7

Graphics



Analyst: JR QA: 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:40 (p 1 of 1)
Link/Link Code: 03-9244-3621/0711-S021a

Bivalve Larval Survival and Development Test — **Nautilus Environmental (CA)**

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	1900437219
Ending Date:	16 Nov-07	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Port of Los Angeles
Sample Date:	14 Nov-07	**Material:**	Elutriate	**Sample Station:**	1C

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
			81	100	78	
			82	100	83	
			83	100	56	
			84	100	69	
			85	100	83	
			86	100	75	
			87	100	81	
			88	100	80	
			89	100	70	
			90	100	81	
			91	100	53	
			92	100	79	
			93	100	82	
			94	100	79	
			95	100	82	
			96	100	74	
			97	100	61	
			98	100	83	
			99	100	78	
			100	100	65	

Analyst: AD QA: 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:40 (p 1 of 1)
Link/Link Code: 03-9244-3621/0711-S021a

Bivalve Larval Survival and Development Test — **Nautilus Environmental (CA)**

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	1900437219
Ending Date:	16 Nov-07	**Protocol:**	AC ~~EPA/600/R-95/136 (1995)~~ Greenbook	**Sample Source:**	Port of Los Angeles
Sample Date:	14 Nov-07	**Material:**	Elutriate	**Sample Station:**	1C

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
0	LC	1	82	100	83	
0	LC	2	87	100	81	
0	LC	3	85	100	83	
0	LC	4	95	100	82	
0	LC	5	88	100	80	
10		1	91			
10		2	92			
10		3	97			
10		4	94			
10		5	83			
50		1	90			
50		2	96			
50		3	100			
50		4	84			
50		5	99			
100		1	98			
100		2	86			
100		3	81			
100		4	93			
100		5	89			

QC:KL

CETIS Summary Report

Report Date: 28 Dec-07 10:07 (p 1 of 1)
Link/Link Code: 04-8869-8728/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Run No:	07-5214-1674	Test Type:	Development	Analyst:	
Start Date:	14 Nov-07 15:30	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Diluted Natural Seawater
Ending Date:	16 Nov-07 15:30	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	48h	Source:	Mission Bay	Age:	

Sample No:	17-1529-0235	Code:	1715290235	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	6h	Station:	2C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
20-6207-1138	Development Rate	< 10	10	N/A	5.25%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
17-2331-1236	Development Rate	25	14.8	10.6	18.6	Linear Regression (MLE)
		50	20.5	15.9	24.8	

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.818	0.813	0.823	0.8	0.83	0.00238	0.013	1.59%	0.0%
10		5	0.768	0.751	0.785	0.71	0.83	0.00821	0.0449	5.85%	6.11%
50		5	0.024	0.0183	0.0297	0.01	0.05	0.00277	0.0152	63.2%	97.1%
100		5	0.002	0.00033	0.00367	0	0.01	0.000816	0.00447	224.0%	99.8%

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.81	0.82	0.8	0.83	0.83
10		0.75	0.83	0.79	0.76	0.71
50		0.02	0.01	0.02	0.02	0.05
100		0	0	0.01	0	0

Analyst: JR QA: Na 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:31 (p 1 of 1)
Link/Link Code: 04-8869-8728/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	20-6207-1138	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:30	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	<10	10	N/A		5.25%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10*	2.52	2.23	0.0536	0.0291	Significant Effect
		50*	40.7	2.23	0.0536	0.0000	Significant Effect
		100*	44.5	2.23	0.0536	0.0000	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	4.977903	1.659301	3	1150	0.0000	Significant Effect
Error	0.0231393	0.0014462	16			
Total	5.001043	1.660747	19			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	5.86	11.3	0.1180	Equal Variances
Distribution	Shapiro-Wilk Normality	0.894		0.0319	Normal Distribution

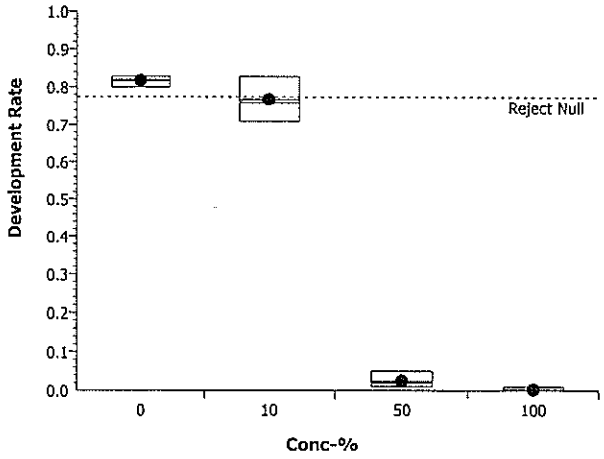
Development Rate Summary

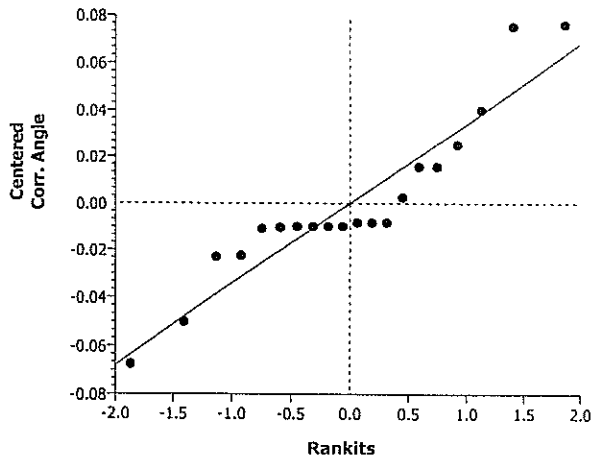
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.818	0.813	0.823	0.8	0.83	0.00242	0.013	1.59%	0.0%
10		5	0.768	0.751	0.785	0.71	0.83	0.00835	0.0449	5.85%	6.11%
50		5	0.024	0.0182	0.0298	0.01	0.05	0.00282	0.0152	63.2%	97.1%
100		5	0.002	0.000299	0.0037	0	0.01	0.00083	0.00447	224.0%	99.8%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	1.13	1.12	1.14	1.11	1.15	0.00313	0.0168	1.49%	0.0%
10		5	1.07	1.05	1.09	1	1.15	0.01	0.0539	5.04%	5.35%
50		5	0.15	0.133	0.168	0.1	0.226	0.0085	0.0458	30.5%	86.7%
100		5	0.0601	0.0515	0.0686	0.05	0.1	0.00416	0.0224	37.3%	94.7%

Graphics





Analyst: JR QA: Ma 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:31 (p 1 of 2)
Link/Link Code: 04-8869-8728/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	17-2331-1236	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:30	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Linear Regression Options

Model Function	Threshold Option	Threshold	Optimized	Pooled	Het Corr	Weighted
Log-Normal [NED=A+B*log(X)]	Control Threshold	0.182	Yes	No	Yes	Yes

Regression Summary

Iters	LL	QAICc	Mu	Sigma	G Stat	Chi-Sq	Critical	P-Value	Decision(5%)
8	-195	187	-0.259	0.211	0.0538	27.8	22.4	0.0096	Significant Heterogeneity

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
25	14.8	10.6	18.6
50	20.5	15.9	24.8

Regression Parameters

Parameter	Estimate	Std Error	95% LCL	95% UCL	t Stat	P-Value	Decision(5%)
Threshold	0.179	0.025	0.125	0.233	7.18	0.0000	Significant Parameter
Slope	4.75	0.51	3.65	5.85	9.31	0.0000	Significant Parameter
Intercept	-1.23	0.776	-2.91	0.446	-1.59	0.1370	Non-Significant Parameter

Residual Analysis

Attribute	Method	Test Stat	Critical	P-Value	Decision(5%)
Variances	Mod Levene Equality of Variance	0.791	3.89	0.4760	Equal Variances
Distribution	Shapiro-Wilk Normality	0.743		0.0007	Non-normal Distribution

Development Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	5	0.818	0.8	0.83	0.00238	0.013	1.59%	0.0%	409	500
10		5	0.768	0.71	0.83	0.00821	0.0449	5.85%	6.11%	384	500
50		5	0.024	0.01	0.05	0.00277	0.0152	63.2%	97.1%	12	500
100		5	0.002	0	0.01	0.000816	0.00447	224.0%	99.8%	1	500

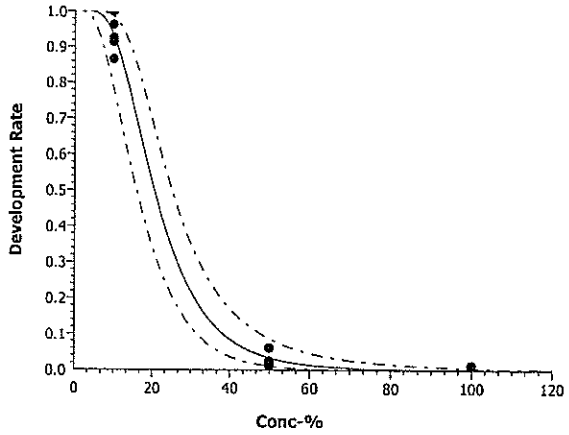
Development Rate Detail

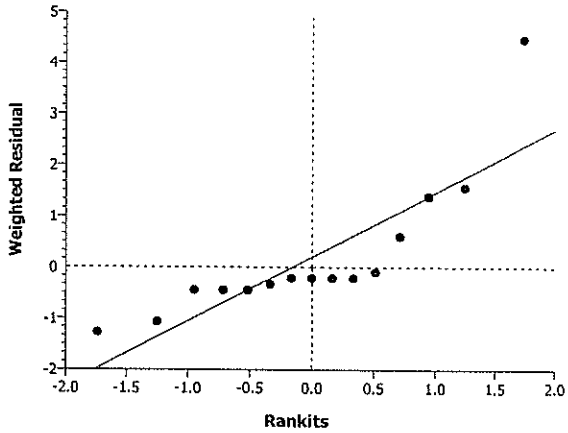
Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.81	0.82	0.8	0.83	0.83
10		0.75	0.83	0.79	0.76	0.71
50		0.02	0.01	0.02	0.02	0.05
100		0	0	0.01	0	0

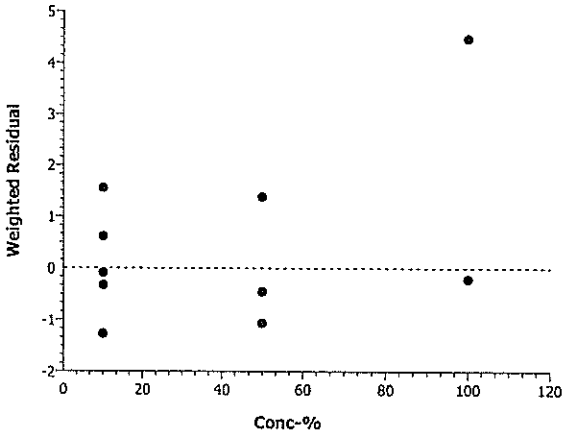
Analyst: JR QA: Ma 1/4/08

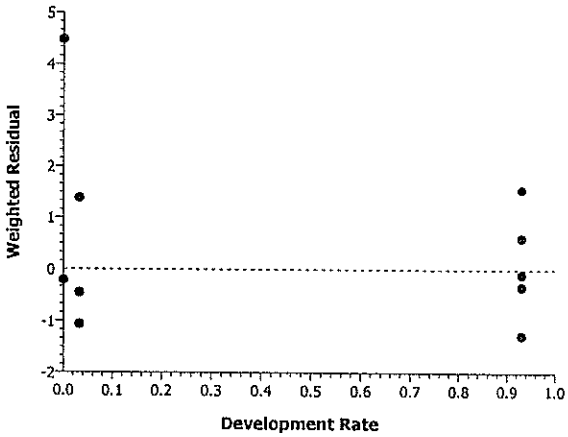
Bivalve Larval Survival and Development Test					Nautilus Environmental (CA)
Analysis No:	17-2331-1236	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:30	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Graphics









CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:44 (p 1 of 1)
Link/Link Code: 04-8869-8728/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Start Date:	14 Nov-07	Species:	Mytilus galloprovincialis	Sample Code:	1715290235
Ending Date:	16 Nov-07	Protocol:	EPA/600/R-95/136 (1995)	Sample Source:	Port of Los Angeles
Sample Date:	14 Nov-07	Material:	Elutriate	Sample Station:	2C

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
			101	100	0	
			102	100	2	
			103	100	83	
			104	100	2	
			105	100	1	
			106			no sample vial
			107	100	2	
			108			no sample vial
			109			no sample vial
			110	100	71	
			111	100	1	
			112	100	76	
			113	100	79	
			114			no sample vial
			115	100	0	
			116			no sample vial
			117	100	5	
			118	100	0	
			119	100	75	
			120	100	0	

Analyst: PK QA: MW 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:44 (p 1 of 1)
Link/Link Code: 04-8869-8728/0711-S021a

Bivalve Larval Survival and Development Test — **Nautilus Environmental (CA)**

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	1715290235
Ending Date:	16 Nov-07	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Port of Los Angeles
Sample Date:	14 Nov-07	**Material:**	Elutriate	**Sample Station:**	2C

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
0	LC	1	108			
0	LC	2	114			
0	LC	3	116			
0	LC	4	109			
0	LC	5	106			
10		1	119			
10		2	103			
10		3	113			
10		4	112			
10		5	110			
50		1	107			
50		2	105			
50		3	104			
50		4	102			
50		5	117			
100		1	120			
100		2	115			
100		3	111			
100		4	118			
100		5	101			

QC: KL

CETIS Summary Report

Report Date: 28 Dec-07 10:07 (p 1 of 1)
Link/Link Code: 13-5492-1022/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Run No:	07-5214-1674	Test Type:	Development	Analyst:	
Start Date:	14 Nov-07	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Diluted Natural Seawater
Ending Date:	16 Nov-07	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	48h	Source:	Mission Bay	Age:	

Sample No:	14-2953-5076	Code:	1429535076	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	N/A	Station:	UC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
07-6410-7402	Development Rate	< 10	10	N/A	8.35%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
21-3373-9142	Development Rate	25	> 100	N/A	N/A	Linear Interpolation (ICPIN)
		50	> 100	N/A	N/A	

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.812	0.805	0.819	0.79	0.83	0.00327	0.0179	2.2%	0.0%
10		5	0.712	0.695	0.729	0.64	0.76	0.00831	0.0455	6.39%	12.3%
50		5	0.74	0.714	0.766	0.64	0.81	0.0127	0.0696	9.41%	8.87%
100		5	0.654	0.631	0.677	0.61	0.76	0.0111	0.0607	9.28%	19.5%

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.83	0.81	0.79	0.8	0.83
10		0.64	0.73	0.76	0.7	0.73
50		0.8	0.81	0.71	0.64	0.74
100		0.62	0.61	0.64	0.76	0.64

Analyst: JR QA: 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:20 (p 1 of 1)
Link/Link Code: 13-5492-1022/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	07-6410-7402	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:18	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	<10	10	N/A		8.35%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10*	3.18	2.23	0.0821	0.0076	Significant Effect
		50*	2.28	2.23	0.0821	0.0450	Significant Effect
		100*	4.86	2.23	0.0821	0.0002	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0838367	0.0279456	3	8.22	0.0016	Significant Effect
Error	0.0544074	0.0034005	16			
Total	0.1382441	0.0313460	19			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	4.83	11.3	0.1850	Equal Variances
Distribution	Shapiro-Wilk Normality	0.977		0.8890	Normal Distribution

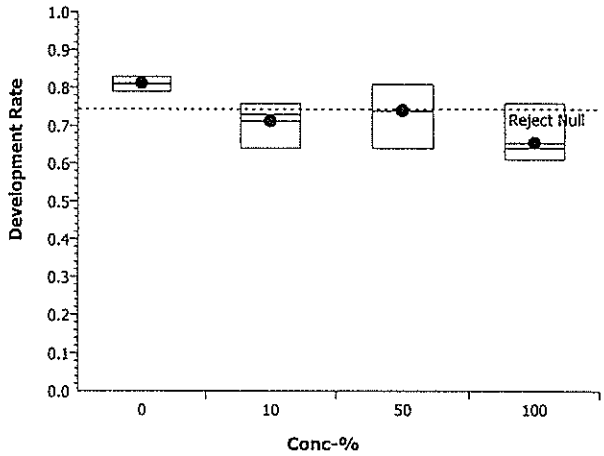
Development Rate Summary

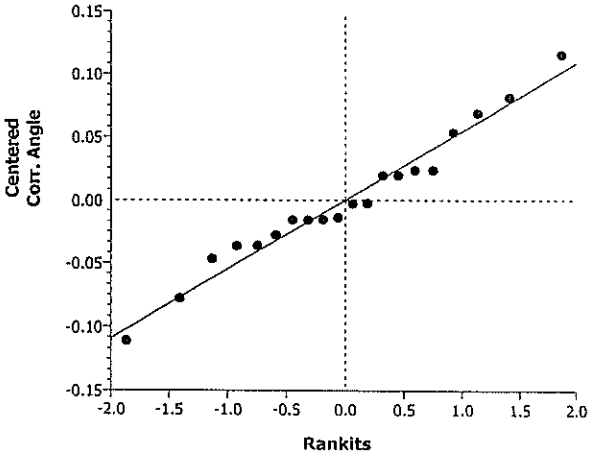
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.812	0.805	0.819	0.79	0.83	0.00332	0.0179	2.2%	0.0%
10		5	0.712	0.695	0.729	0.64	0.76	0.00845	0.0455	6.39%	12.3%
50		5	0.74	0.714	0.766	0.64	0.81	0.0129	0.0696	9.41%	8.87%
100		5	0.654	0.631	0.677	0.61	0.76	0.0113	0.0607	9.28%	19.5%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	1.12	1.11	1.13	1.09	1.15	0.00425	0.0229	2.04%	0.0%
10		5	1.01	0.986	1.02	0.927	1.06	0.00923	0.0497	4.94%	10.5%
50		5	1.04	1.01	1.07	0.927	1.12	0.0147	0.0791	7.62%	7.5%
100		5	0.943	0.918	0.968	0.896	1.06	0.0123	0.066	7.0%	16.0%

Graphics





Analyst: VR QA: NW 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:20 (p 1 of 1)
Link/Link Code: 13-5492-1022/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	21-3373-9142	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:19	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	7055475	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
25	> 100	N/A	N/A
50	> 100	N/A	N/A

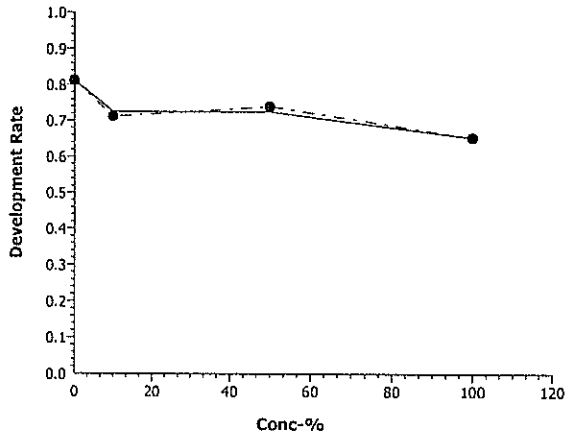
Development Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	5	0.812	0.79	0.83	0.00327	0.0179	2.2%	0.0%	406	500
10		5	0.712	0.64	0.76	0.00831	0.0455	6.39%	12.3%	356	500
50		5	0.74	0.64	0.81	0.0127	0.0696	9.41%	8.87%	370	500
100		5	0.654	0.61	0.76	0.0111	0.0607	9.28%	19.5%	327	500

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.83	0.81	0.79	0.8	0.83
10		0.64	0.73	0.76	0.7	0.73
50		0.8	0.81	0.71	0.64	0.74
100		0.62	0.61	0.64	0.76	0.64

Graphics



Analyst: JR QA: MW 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:48 (p 1 of 1)
Link/Link Code: 13-5492-1022/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	1429535076
Ending Date:	16 Nov-07	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Port of Los Angeles
Sample Date:	14 Nov-07	**Material:**	Elutriate	**Sample Station:**	UC

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
			141	100	76	
			142	100	64	
			143	100	73	
			144			No sample vial
			145			No sample vial
			146			No sample vial
			147	100	70	
			148	100	64	
			149	100	61	
			150			No sample vial
			151	100	81	
			152	100	62	
			153	100	74	
			154	100	71	
			155	100	64	
			156	100	73	
			157	100	64	
			158	100	76	
			159			No sample vial
			160	100	80	

Analyst: AC QA: 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:48 (p 1 of 1)
Link/Link Code: 13-5492-1022/0711-S021a

Bivalve Larval Survival and Development Test — **Nautilus Environmental (CA)**

Start Date:	14 Nov-07	**Species:**	Mytilus galloprovincialis	**Sample Code:**	1429535076
Ending Date:	16 Nov-07	**Protocol:**	EPA/600/R-95/136 (1995)	**Sample Source:**	Port of Los Angeles
Sample Date:	14 Nov-07	**Material:**	Elutriate	**Sample Station:**	UC

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
0	LC	1	146			
0	LC	2	144			
0	LC	3	145			
0	LC	4	150			
0	LC	5	159			
10		1	148			
10		2	143			
10		3	158			
10		4	147			
10		5	156			
50		1	160			
50		2	151			
50		3	154			
50		4	157			
50		5	153			
100		1	152			
100		2	149			
100		3	142			
100		4	141			
100		5	155			

QC: ICL

CETIS Summary Report

Report Date: 28 Dec-07 10:07 (p 1 of 1)
Link/Link Code: 02-5343-3553/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Test Run No:	07-5214-1674	Test Type:	Development	Analyst:	
Start Date:	14 Nov-07 15:30	Protocol:	EPA/600/R-95/136 (1995)	Diluent:	Diluted Natural Seawater
Ending Date:	16 Nov-07 15:30	Species:	Mytilus galloprovincialis	Brine:	Not Applicable
Duration:	48h	Source:	Mission Bay	Age:	

Sample No:	15-6889-5292	Code:	1568895292	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	6h	Station:	LC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
19-8116-0989	Development Rate	10	50	22.4	6.51%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
13-0093-7408	Development Rate	25	14.3	7.17	20.5	Linear Regression (MLE)
		50	20.1	12	27.5	

Development Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.812	0.805	0.819	0.79	0.83	0.00327	0.0179	2.2%	0.0%
10		5	0.768	0.76	0.776	0.74	0.79	0.00396	0.0217	2.82%	5.42%
50		5	0.014	0.00672	0.0213	0	0.04	0.00356	0.0195	139.0%	98.3%
100		5	0.008	0.00488	0.0111	0	0.02	0.00153	0.00837	105.0%	99.0%

Development Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.81	0.79	0.83	0.8	0.83
10		0.76	0.79	0.74	0.79	0.76
50		0	0.03	0	0.04	0
100		0.01	0.02	0	0.01	0

Analyst: JR QA: Ma 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:23 (p 1 of 1)
Link/Link Code: 02-5343-3553/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	19-8116-0989	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:22	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	10	50	22.4	10	6.51%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	1.86	2.23	0.0649	0.0962	Non-Significant Effect
		50*	34.9	2.23	0.0649	0.0000	Significant Effect
		100*	35.5	2.23	0.0649	0.0000	Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	4.996428	1.665476	3	785	0.0000	Significant Effect
Error	0.0339498	0.0021219	16			
Total	5.030377	1.667598	19			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	6.87	11.3	0.0763	Equal Variances
Distribution	Shapiro-Wilk Normality	0.947		0.3180	Normal Distribution

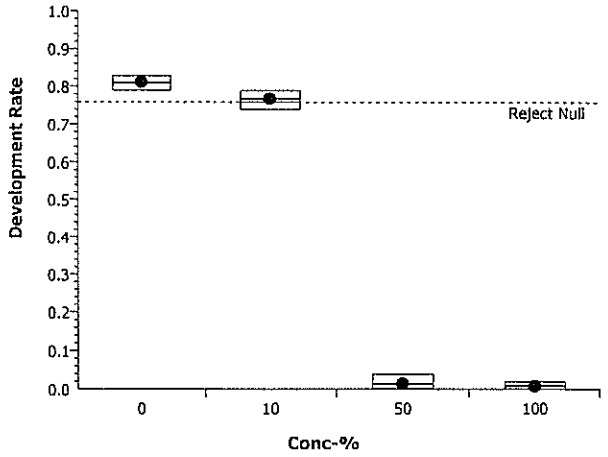
Development Rate Summary

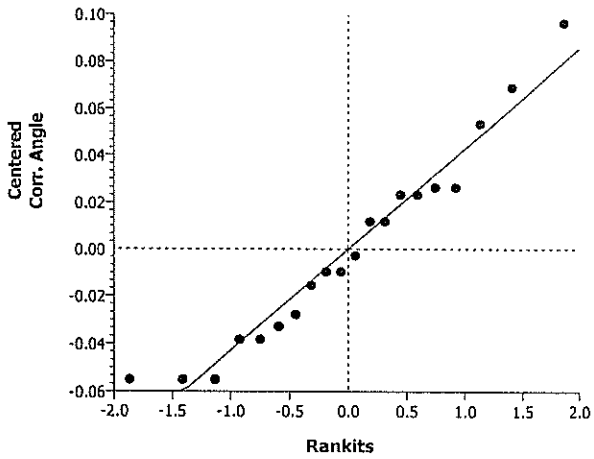
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	0.812	0.805	0.819	0.79	0.83	0.00332	0.0179	2.2%	0.0%
10		5	0.768	0.76	0.776	0.74	0.79	0.00403	0.0217	2.82%	5.42%
50		5	0.014	0.00659	0.0214	0	0.04	0.00362	0.0195	139.0%	98.3%
100		5	0.008	0.00482	0.0112	0	0.02	0.00155	0.00837	105.0%	99.0%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	5	1.12	1.11	1.13	1.09	1.15	0.00425	0.0229	2.04%	0.0%
10		5	1.07	1.06	1.08	1.04	1.09	0.00477	0.0257	2.4%	4.82%
50		5	0.105	0.0762	0.134	0.05	0.201	0.0141	0.076	72.3%	90.6%
100		5	0.0885	0.0736	0.103	0.05	0.142	0.00724	0.039	44.1%	92.1%

Graphics





Analyst: JR QA: MA 1/4/08

CETIS Analytical Report

Report Date: 04 Dec-07 17:23 (p 1 of 2)
Link/Link Code: 02-5343-3553/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Analysis No:	13-0093-7408	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:23	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Linear Regression Options

Model Function	Threshold Option	Threshold	Optimized	Pooled	Het Corr	Weighted
Log-Normal [NED=A+B*log(X)]	Control Threshold	0.188	Yes	No	Yes	Yes

Regression Summary

Iters	LL	QAICc	Mu	Sigma	G Stat	Chi-Sq	Critical	P-Value	Decision(5%)
16	-204	60.5	-0.2	0.221	0.154	95.4	22.4	0.0000	Significant Heterogeneity

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
25	14.3	7.17	20.5
50	20.1	12	27.5

Regression Parameters

Parameter	Estimate	Std Error	95% LCL	95% UCL	t Stat	P-Value	Decision(5%)
Threshold	0.178	0.0462	0.0784	0.278	3.86	0.0020	Significant Parameter
Slope	4.53	0.824	2.75	6.31	5.5	0.0001	Significant Parameter
Intercept	-0.905	1.23	-3.57	1.76	-0.734	0.4760	Non-Significant Parameter

Residual Analysis

Attribute	Method	Test Stat	Critical	P-Value	Decision(5%)
Variances	Mod Levene Equality of Variance	6.91	3.89	0.0101	Unequal Variances
Distribution	Shapiro-Wilk Normality	0.814		0.0056	Non-normal Distribution

Development Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	5	0.812	0.79	0.83	0.00327	0.0179	2.2%	0.0%	406	500
10		5	0.768	0.74	0.79	0.00396	0.0217	2.82%	5.42%	384	500
50		5	0.014	0	0.04	0.00356	0.0195	139.0%	98.3%	7	500
100		5	0.008	0	0.02	0.00153	0.00837	105.0%	99.0%	4	500

Development Rate Detail

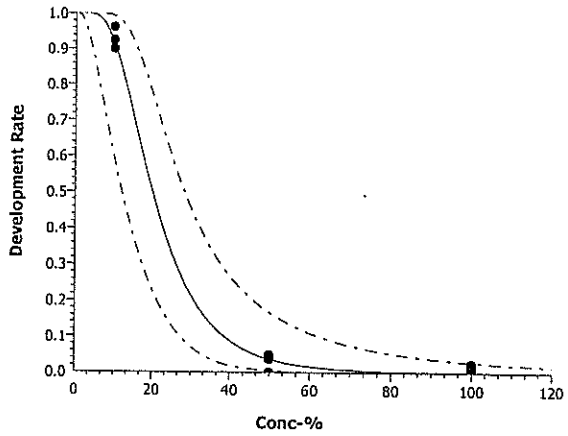
Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Lab Control	0.81	0.79	0.83	0.8	0.83
10		0.76	0.79	0.74	0.79	0.76
50		0	0.03	0	0.04	0
100		0.01	0.02	0	0.01	0

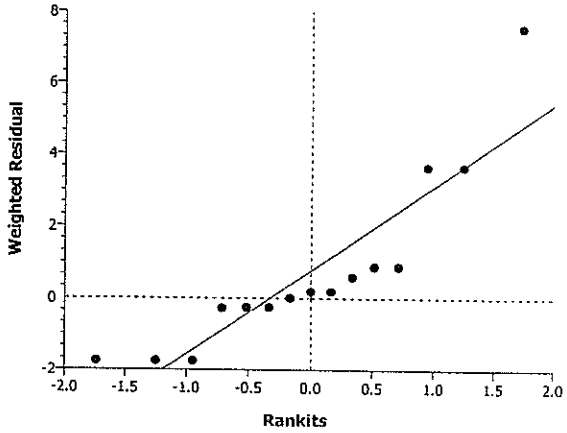
Analyst: JR QA: Ma 1/4/08

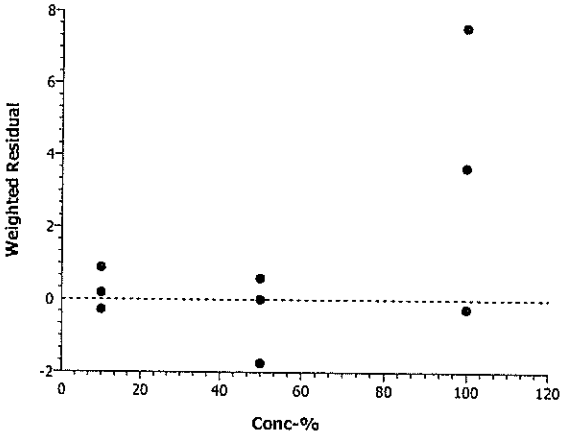
Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

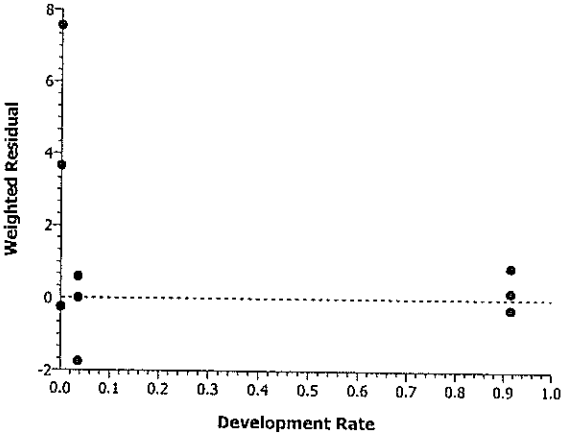
Analysis No:	13-0093-7408	Endpoint:	Development Rate	CETIS Version:	CETISv1.6.3
Analyzed:	04 Dec-07 17:23	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Graphics









CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:46 (p 1 of 1)
Link/Link Code: 02-5343-3553/0711-S021a

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Start Date:	14 Nov-07	Species:	Mytilus galloprovincialis	Sample Code:	1568895292
Ending Date:	16 Nov-07	Protocol:	EPA/600/R-95/136 (1995)	Sample Source:	Port of Los Angeles
Sample Date:	14 Nov-07	Material:	Elutriate	Sample Station:	LC

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
			121	100	0	
			122	100	83	
			123	100	1	
			124	100	79	
			125	100	4	
			126	100	0	
			127	100	83	
			128	100	0	
			129	100	81	
			130	100	1	
			131	100	0	
			132	100	2	
			133	100	0	
			134	100	79	
			135	100	80	
			136	100	3	
			137	100	74	
			138	100	76	
			139	100	79	
			140	100	76	

Analyst: RA QA: 1/4/08

CETIS Test Data Worksheet

Report Date: 12 Nov-07 15:45 (p 1 of 1)
Link/Link Code: 02-5343-3553/0711-S021

Bivalve Larval Survival and Development Test — Nautilus Environmental (CA)

Start Date:	14 Nov-07	Species:	Mytilus galloprovincialis	Sample Code:	1568895292
Ending Date:	16 Nov-07	Protocol:	~~EPA/600/R-95/136 (1995)~~ Greenbook	Sample Source:	Port of Los Angeles
Sample Date:	14 Nov-07	Material:	Elutriate	Sample Station:	LC

Conc-%	Code	Rep	Pos	# Counted	# Normal	Notes
0	LC2	1	129	100	81	
0	LC2	2	134	100	79	
0	LC2	3	127	100	83	
0	LC2	4	135	100	80	
0	LC2	5	122	100	83	
10		1	140			
10		2	124			
10		3	137			
10		4	139			
10		5	138			
50		1	133			
50		2	136			
50		3	121			
50		4	125			
50		5	131			
100		1	123			
100		2	132			
100		3	126			
100		4	130			
100		5	128			

QC: KL

Analyst: AC QA: KL 1/4/08

Appendix D-3. Summary of Suspended Particulate-Phase Statistics

AMEC - POLA Berths 145-147

Menidia

CETIS Summary Report

Report Date: 28 Dec-07 10:37 (p 1 of 1)
Link/Link Code: 16-2032-7215/0711-S021c

Inland Silverside 96-h Acute Survival Test — **Nautilus Environmental (CA)**

Test Run No:	05-4873-0420	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 11:40	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 10:10	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	09-4312-7776	Code:	943127776	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	100m	Station:	1C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
04-0561-1172	96h Survival Rate	100	> 100	N/A	18.2%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
18-1716-3877	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

Test Acceptability

Analysis No	Endpoint	Attribute	Test Stat	Acceptabilty Limits	Overlap	Decision
04-0561-1172	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok Ma
18-1716-3877	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok Ma (*)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0175	0.0957	10.9%	0.0%
10		4	0.85	0.813	0.887	0.8	1	0.0183	0.1	11.8%	2.86%
50		4	1	1	1	1	1	0	0	0.0%	-14.3%
100		4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	-8.57%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		0.8	0.8	1	0.8
50		1	1	1	1
100		1	0.8	1	1

(*) see QA section of report

Analyst: JR QA: Ma 1/4/08

CETIS Analytical Report

Report Date: 28 Dec-07 10:37 (p 1 of 2)
Link/Link Code: 16-2032-7215/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	04-0561-1172	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:20	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	100	>100	N/A	1	18.2%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	0.386	2.29	0.21	0.5960	Non-Significant Effect
		50	-2.1	2.29	0.21	0.9970	Non-Significant Effect
		100	-1.27	2.29	0.21	0.9790	Non-Significant Effect

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok MA (*)

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.1335811	0.0445270	3	2.64	0.0974	Non-Significant Effect
Error	0.2025955	0.016883	12			
Total	0.3361766	0.06141	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	0.668	5.95	0.5880	Equal Variances
Distribution	Shapiro-Wilk Normality	0.961		0.6800	Normal Distribution

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0178	0.0957	10.9%	0.0%
10		4	0.85	0.812	0.888	0.8	1	0.0186	0.1	11.8%	2.86%
50		4	1	1	1	1	1	0	0	0.0%	-14.3%
100		4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	-8.57%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.22	1.16	1.27	1.11	1.41	0.0269	0.145	11.9%	0.0%
10		4	1.18	1.13	1.24	1.11	1.41	0.0283	0.152	12.9%	2.91%
50		4	1.41	1.41	1.41	1.41	1.41	0	0	0.0%	-15.8%
100		4	1.34	1.28	1.39	1.11	1.41	0.0283	0.152	11.4%	-9.6%

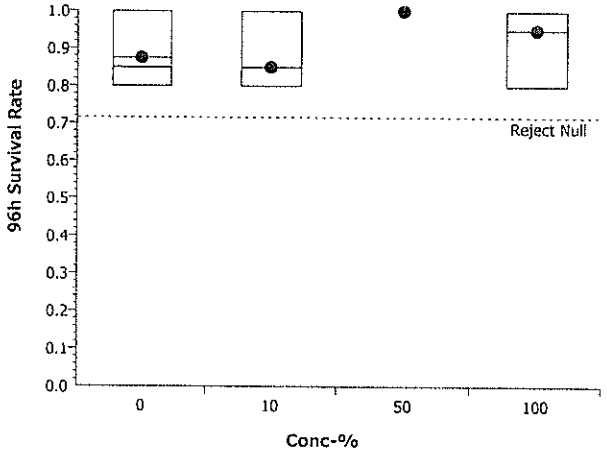
(*) see QA section of report.

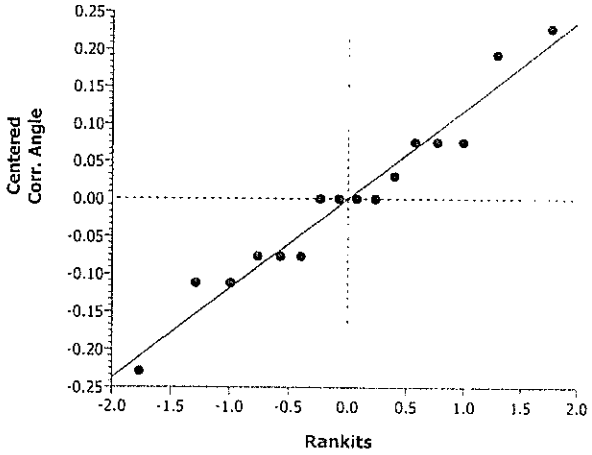
Analyst: JR QA: MA 1/8/08

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	04-0561-1172	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:20	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Report Date: 28 Dec-07 10:37 (p 1 of 1)
Link/Link Code: 16-2032-7215/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	18-1716-3877	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:20	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	5795186	280	Yes	Two-Point Interpolation

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	Fails acceptability criteria

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

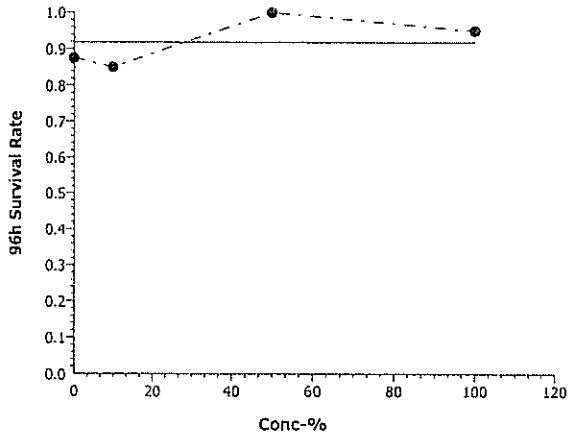
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.875	0.8	1	0.0175	0.0957	10.9%	0.0%	35	40
10		4	0.85	0.8	1	0.0183	0.1	11.8%	2.86%	34	40
50		4	1	1	1	0	0	0.0%	-14.3%	40	40
100		4	0.95	0.8	1	0.0183	0.1	10.5%	-8.57%	38	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		0.8	0.8	1	0.8
50		1	1	1	1
100		1	0.8	1	1

Graphics



Analyst: JR QA: 1/4/08

CETIS Summary Report

Report Date: 28 Dec-07 10:37 (p 1 of 1)
Link/Link Code: 13-4368-0254/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	05-4873-0420 11:57	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~11:40~~	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~10:10~~ JR	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	94h 10:20	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	06-9946-1413	Code:	699461413	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	100m	Station:	2C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
12-3005-3806	96h Survival Rate	50	100	70.7	15.1%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
21-4041-5413	96h Survival Rate	50	96.9	74.6	205	Linear Regression (MLE)

Test Acceptability

Analysis No	Endpoint	Attribute	Test Stat	Acceptabilty Limits	Overlap	Decision
12-3005-3806	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ okma
21-4041-5413	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ okma (*)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0175	0.0957	10.9%	0.0%
10		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-11.4%
50		4	0.75	0.728	0.772	0.7	0.8	0.0105	0.0577	7.7%	14.3%
100		4	0.45	0.402	0.498	0.3	0.6	0.0236	0.129	28.7%	48.6%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		1	0.9	1	1
50		0.8	0.8	0.7	0.7
100		0.6	0.4	0.5	0.3

(*) See QA section of report.

CETIS Analytical Report

Report Date: 28 Dec-07 10:37 (p 1 of 2)
Link/Link Code: 13-4368-0254/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	12-3005-3806	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:24	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	50	100	70.7	2	15.1%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	-1.94	2.29	0.18	0.9960	Non-Significant Effect
		50	2.16	2.29	0.18	0.0624	Non-Significant Effect
		100*	6.16	2.29	0.18	0.0001	Significant Effect

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	Fails acceptability criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.8964192	0.2988064	3	24.1	0.0000	Significant Effect
Error	0.1485779	0.0123815	12			
Total	1.044997	0.3111879	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	2.03	11.3	0.5660	Equal Variances
Distribution	Shapiro-Wilk Normality	0.936		0.3060	Normal Distribution

96h Survival Rate Summary

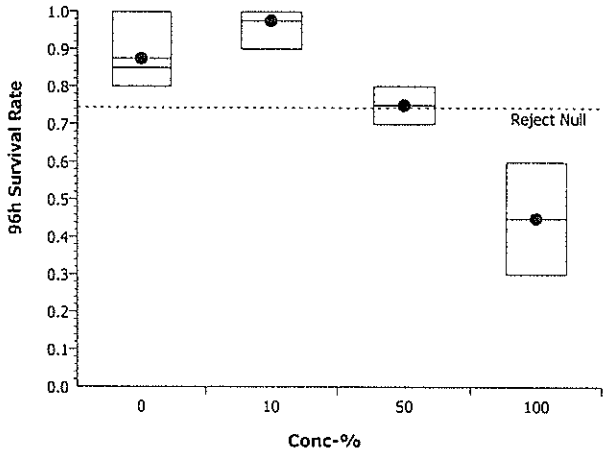
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0178	0.0957	10.9%	0.0%
10		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-11.4%
50		4	0.75	0.728	0.772	0.7	0.8	0.0107	0.0577	7.7%	14.3%
100		4	0.45	0.401	0.499	0.3	0.6	0.024	0.129	28.7%	48.6%

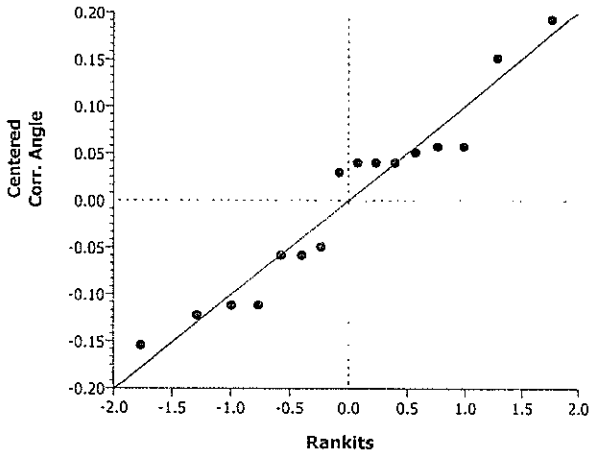
Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.22	1.16	1.27	1.11	1.41	0.0269	0.145	11.9%	0.0%
10		4	1.37	1.34	1.4	1.25	1.41	0.0151	0.0815	5.94%	-12.5%
50		4	1.05	1.02	1.07	0.991	1.11	0.0124	0.067	6.38%	13.9%
100		4	0.734	0.684	0.784	0.58	0.886	0.0245	0.132	17.9%	39.8%

Inland Silverside 96-h Acute Survival Test					Nautilus Environmental (CA)
Analysis No:	12-3005-3806	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:24	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Report Date: 28 Dec-07 10:37 (p 1 of 2)
Link/Link Code: 13-4368-0254/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	21-4041-5413	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:35	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Linear Regression Options

Model Function	Threshold Option	Threshold	Optimized	Pooled	Het Corr	Weighted
Log-Normal [NED=A+B*log(X)]	Control Threshold	0.125	Yes	No	No	Yes

Regression Summary

Iters	LL	AICc	Mu	Sigma	G Stat	Chi-Sq	Critical	P-Value	Decision(5%)
17	-32	69.3	-0.397	0.318	0.548	2.65	18.3	0.9880	Non-Significant Heterogeneity

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	96.9	74.6	205

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	Fails acceptability criteria

Regression Parameters

Parameter	Estimate	Std Error	95% LCL	95% UCL	t Stat	P-Value	Decision(5%)
Threshold	0.0755	0.03	0.0166	0.134	2.51	0.0307	Significant Parameter
Slope	3.15	1.19	0.817	5.47	2.65	0.0244	Significant Parameter
Intercept	-1.25	2.25	-5.66	3.16	-0.555	0.5910	Non-Significant Parameter

Residual Analysis

Attribute	Method	Test Stat	Critical	P-Value	Decision(5%)
Variances	Bartlett Equality of Variance	1.09	5.99	0.5790	Equal Variances
Distribution	Shapiro-Wilk Normality	0.893		0.1290	Normal Distribution

96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.875	0.8	1	0.0175	0.0957	10.9%	0.0%	35	40
10		4	0.975	0.9	1	0.00913	0.05	5.13%	-11.4%	39	40
50		4	0.75	0.7	0.8	0.0105	0.0577	7.7%	14.3%	30	40
100		4	0.45	0.3	0.6	0.0236	0.129	28.7%	48.6%	18	40

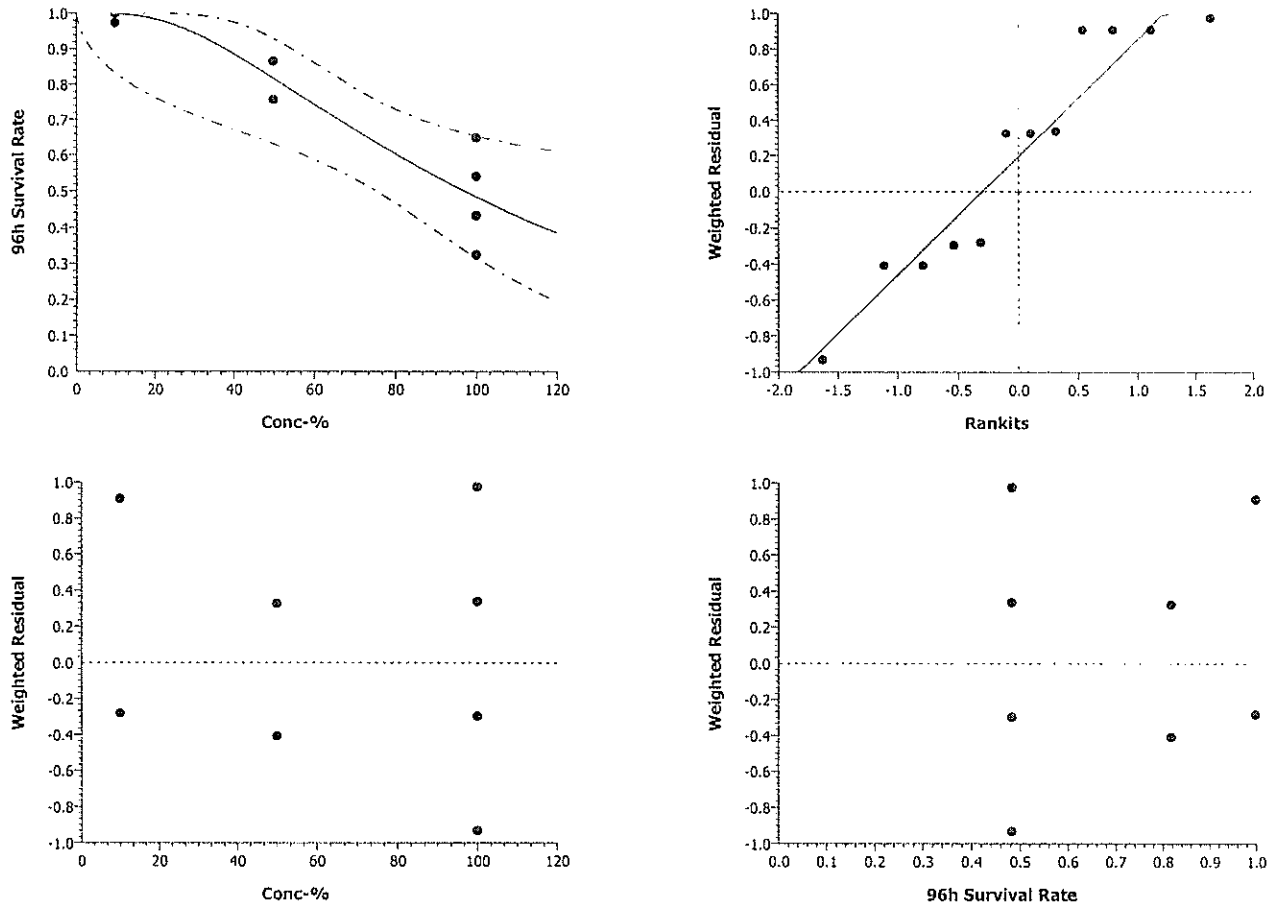
96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		1	0.9	1	1
50		0.8	0.8	0.7	0.7
100		0.6	0.4	0.5	0.3

Analyst: JR QA: [illegible] 1/4/08

Inland Silverside 96-h Acute Survival Test					Nautilus Environmental (CA)
Analysis No:	21-4041-5413	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:35	Analysis:	Linear Regression (MLE)	Official Results:	Yes

Graphics



CETIS Summary Report

Report Date: 28 Dec-07 10:36 (p 1 of 1)
Link/Link Code: 16-7268-6827/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	05-4873-0420 12:27	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~11:40~~ JR	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~10:10~~	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	94h 10:30	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	11-1795-6383	Code:	1117956383	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	100m	Station:	UC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
05-8660-1158	96h Survival Rate	100	> 100	N/A	16.2%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
00-5883-1161	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

Test Acceptability

Analysis No	Endpoint	Attribute	Test Stat	Acceptabilty Limits	Overlap	Decision
00-5883-1161	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok Na
05-8660-1158	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok Na

(*)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0175	0.0957	10.9%	0.0%
10		4	0.875	0.839	0.911	0.8	1	0.0175	0.0957	10.9%	0.0%
50		4	0.925	0.906	0.944	0.9	1	0.00913	0.05	5.41%	-5.71%
100		4	0.85	0.828	0.872	0.8	0.9	0.0105	0.0577	6.79%	2.86%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		1	0.9	0.8	0.8
50		1	0.9	0.9	0.9
100		0.8	0.9	0.8	0.9

(*) See QA section of report.

CETIS Analytical Report

Report Date: 28 Dec-07 10:36 (p 1 of 2)
Link/Link Code: 16-7268-6827/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No: 05-8660-1158 | Endpoint: 96h Survival Rate | CETIS Version: CETISv1.6.3
Analyzed: 28 Dec-07 10:32 | Analysis: Parametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	100	>100	N/A	1	16.2%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	0	2.29	0.19	0.7500	Non-Significant Effect
		50	-0.852	2.29	0.19	0.9460	Non-Significant Effect
		100	0.489	2.29	0.19	0.5510	Non-Significant Effect

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok Ma (*)

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0258622	0.0086207	3	0.622	0.6140	Non-Significant Effect
Error	0.1664128	0.0138677	12			
Total	0.192275	0.0224885	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	1.65	11.3	0.6480	Equal Variances
Distribution	Shapiro-Wilk Normality	0.885		0.0464	Normal Distribution

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0178	0.0957	10.9%	0.0%
10		4	0.875	0.839	0.911	0.8	1	0.0178	0.0957	10.9%	0.0%
50		4	0.925	0.906	0.944	0.9	1	0.00928	0.05	5.41%	-5.71%
100		4	0.85	0.828	0.872	0.8	0.9	0.0107	0.0577	6.79%	2.86%

Angular (Corrected) Transformed Summary

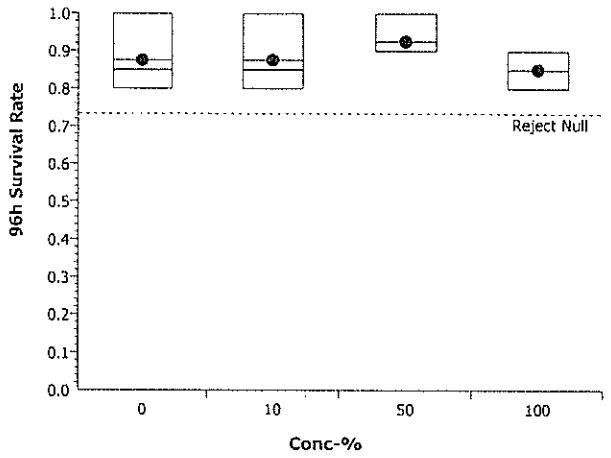
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.22	1.16	1.27	1.11	1.41	0.0269	0.145	11.9%	0.0%
10		4	1.22	1.16	1.27	1.11	1.41	0.0269	0.145	11.9%	0.0%
50		4	1.29	1.26	1.32	1.25	1.41	0.0151	0.0815	6.32%	-5.82%
100		4	1.18	1.15	1.21	1.11	1.25	0.0152	0.0819	6.95%	3.34%

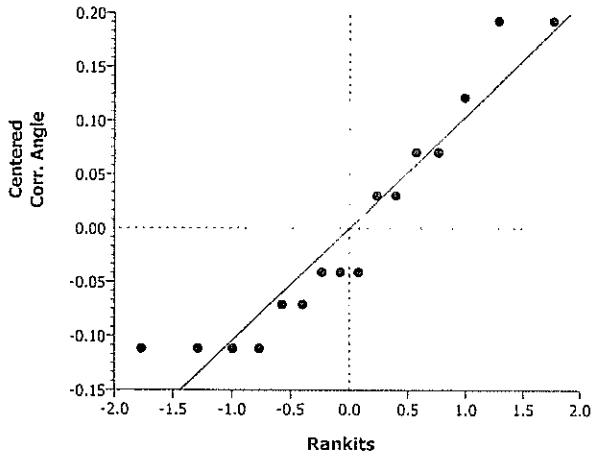
(*) see QA section of report.

Analyst: JR QA: Ma 1/4/08

Inland Silverside 96-h Acute Survival Test					Nautilus Environmental (CA)
Analysis No:	05-8660-1158	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:32	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Graphics





CETIS Analytical Report

Report Date: 28 Dec-07 10:36 (p 1 of 1)
Link/Link Code: 16-7268-6827/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	00-5883-1161	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:32	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	7747401	280	Yes	Two-Point Interpolation

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	Fails acceptability criteria

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

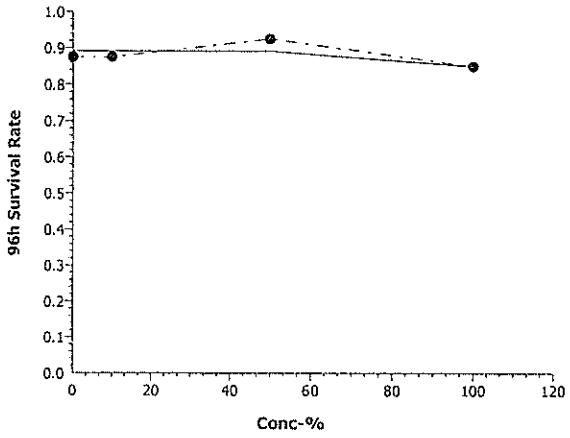
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.875	0.8	1	0.0175	0.0957	10.9%	0.0%	35	40
10		4	0.875	0.8	1	0.0175	0.0957	10.9%	0.0%	35	40
50		4	0.925	0.9	1	0.00913	0.05	5.41%	-5.71%	37	40
100		4	0.85	0.8	0.9	0.0105	0.0577	6.79%	2.86%	34	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		1	0.9	0.8	0.8
50		1	0.9	0.9	0.9
100		0.8	0.9	0.8	0.9

Graphics



Analyst: JR QA: 1/4/08

CETIS Summary Report

Report Date: 28 Dec-07 10:37 (p 1 of 1)
Link/Link Code: 17-5024-9674/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	05-4873-0420 12:13	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~11:40~~	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~10:40~~ JR	Species:	Menidia beryllina	Brine:	Not Applicable
Duration:	94h 10:15	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	12-5439-1145	Code:	1254391145	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	100m	Station:	LC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
17-8314-1062	96h Survival Rate	10	50	22.4	14.5%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
06-5469-7394	96h Survival Rate	50	97.5	73.5	N/A	Linear Interpolation (ICPIN)

Test Acceptability

Analysis No	Endpoint	Attribute	Test Stat	Acceptabilty Limits	Overlap	Decision
06-5469-7394	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ OK Un
17-8314-1062	96h Survival Rate	Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ OK Un

(*)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0175	0.0957	10.9%	0.0%
10		4	0.75	0.728	0.772	0.7	0.8	0.0105	0.0577	7.7%	14.3%
50		4	0.675	0.639	0.711	0.6	0.8	0.0175	0.0957	14.2%	22.9%
100		4	0.425	0.389	0.461	0.3	0.5	0.0175	0.0957	22.5%	51.4%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		0.8	0.7	0.8	0.7
50		0.7	0.8	0.6	0.6
100		0.5	0.3	0.5	0.4

(*) see QA section of report.

Analyst: JR QA: Un 1/4/08

CETIS Analytical Report

Report Date: 28 Dec-07 10:36 (p 1 of 2)
Link/Link Code: 17-5024-9674/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No: 17-8314-1062 | Endpoint: 96h Survival Rate | CETIS Version: CETISv1.6.3
Analyzed: 28 Dec-07 10:27 | Analysis: Parametric-Control vs Treatments | Official Results: Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	10	50	22.4	10	14.5%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	2.23	2.29	0.174	0.0551	Non-Significant Effect
		50*	3.3	2.29	0.174	0.0082	Significant Effect
		100*	6.7	2.29	0.174	0.0000	Significant Effect

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	~~Fails acceptability criteria~~ ok na (*)

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.5415466	0.1805155	3	15.6	0.0002	Significant Effect
Error	0.138951	0.0115793	12			
Total	0.6804976	0.1920948	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	1.51	11.3	0.6800	Equal Variances
Distribution	Shapiro-Wilk Normality	0.942		0.3750	Normal Distribution

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.875	0.839	0.911	0.8	1	0.0178	0.0957	10.9%	0.0%
10		4	0.75	0.728	0.772	0.7	0.8	0.0107	0.0577	7.7%	14.3%
50		4	0.675	0.639	0.711	0.6	0.8	0.0178	0.0957	14.2%	22.9%
100		4	0.425	0.389	0.461	0.3	0.5	0.0178	0.0957	22.5%	51.4%

Angular (Corrected) Transformed Summary

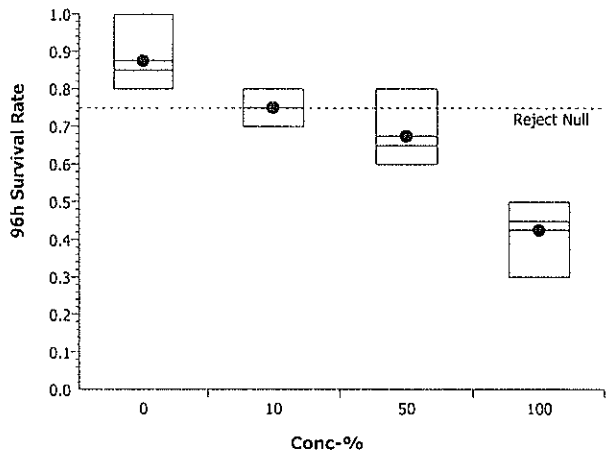
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.22	1.16	1.27	1.11	1.41	0.0269	0.145	11.9%	0.0%
10		4	1.05	1.02	1.07	0.991	1.11	0.0124	0.067	6.38%	13.9%
50		4	0.968	0.928	1.01	0.886	1.11	0.0196	0.105	10.9%	20.6%
100		4	0.709	0.671	0.746	0.58	0.785	0.0183	0.0983	13.9%	41.8%

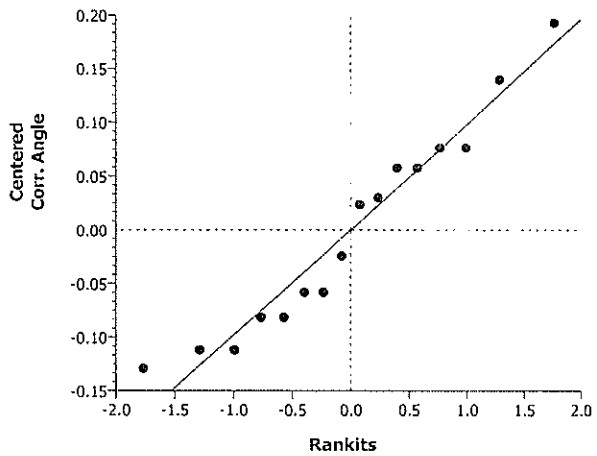
(*) see QA section of report.

Analyst: JR QA: [illegible] 1/4/08

Inland Silverside 96-h Acute Survival Test					Nautilus Environmental (CA)
Analysis No:	17-8314-1062	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	28 Dec-07 10:27	**Analysis:**	Parametric-Control vs Treatments	**Official Results:**	Yes

Graphics





CETIS Analytical Report

Report Date: 28 Dec-07 10:37 (p 1 of 1)
Link/Link Code: 17-5024-9674/0711-S021c

Inland Silverside 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	06-5469-7394	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	28 Dec-07 10:30	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	3019480	280	Yes	Two-Point Interpolation

Test Acceptability

Attribute	Test Stat	Acceptability Limits	Overlap	Decision
Control Resp	0.875	0.9 - NL	Yes	Fails acceptability criteria

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	97.5	73.5	N/A

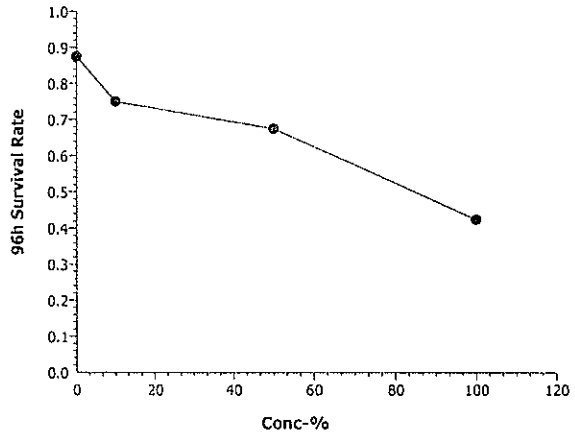
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.875	0.8	1	0.0175	0.0957	10.9%	0.0%	35	40
10		4	0.75	0.7	0.8	0.0105	0.0577	7.7%	14.3%	30	40
50		4	0.675	0.6	0.8	0.0175	0.0957	14.2%	22.9%	27	40
100		4	0.425	0.3	0.5	0.0175	0.0957	22.5%	51.4%	17	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	0.8	0.8	0.9	1
10		0.8	0.7	0.8	0.7
50		0.7	0.8	0.6	0.6
100		0.5	0.3	0.5	0.4

Graphics



Analyst: JR QA: Na 1/4/08

Appendix D-4. Summary of Suspended Particulate-Phase Statistics

AMEC - POLA Berths 145-147

Americamysis

CETIS Summary Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 20-9170-6528/0711-S021b

Mysid 96-h Acute Survival Test — **Nautilus Environmental (CA)**

Test Run No:	15-0610-5129 14:00	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~14:30~~	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~12:30~~ JR	Species:	Americamysis bahia	Brine:	Not Applicable
Duration:	94h 12:10	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	01-7101-9970	Code:	171019970	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	4h	Station:	1C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
10-1768-0140	96h Survival Rate	100	> 100	N/A	10.3%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
10-2507-9023	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
10		4	1	1	1	1	1	0	0	0.0%	-5.26%
50		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-2.63%
100		4	0.95	0.928	0.972	0.9	1	0.0105	0.0577	6.08%	0.0%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	1
50		1	1	0.9	1
100		0.9	1	1	0.9

CETIS Analytical Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 20-9170-6528/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	10-1768-0140	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	21 Dec-07 15:41	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	100	>100	N/A	1	10.3%

Steel Many-One Rank Test

Control	vs	Conc-%	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		10	20	10	1	0.9100	Non-Significant Effect
		50	18.5	10	1	0.8000	Non-Significant Effect
		100	17	10	1	0.6350	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0170549	0.005685	3	0.587	0.6350	Non-Significant Effect
Error	0.1161869	0.0096822	12			
Total	0.1332419	0.0153672	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	0.761	5.95	0.5370	Equal Variances
Distribution	Shapiro-Wilk Normality	0.841		0.0099	Non-normal Distribution

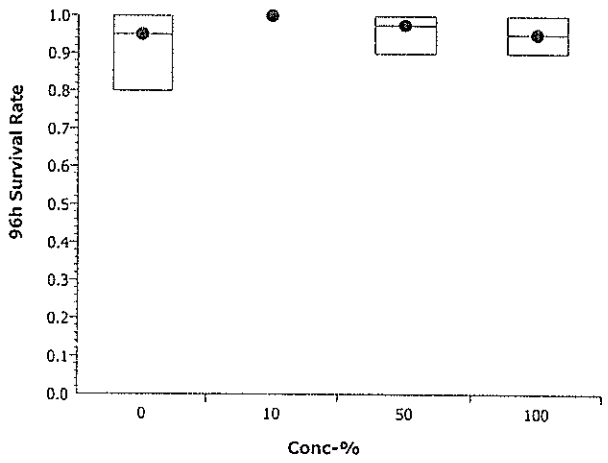
96h Survival Rate Summary

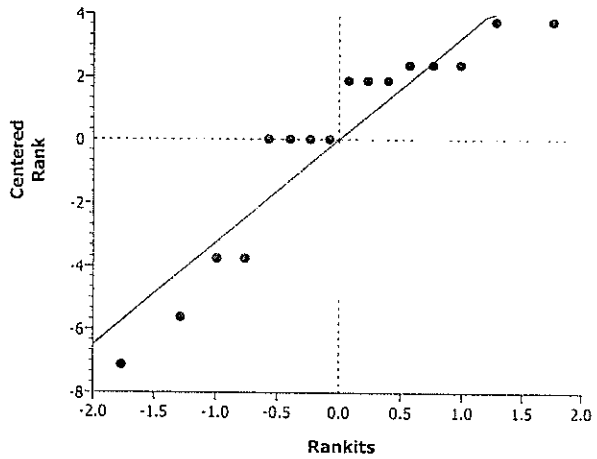
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
10		4	1	1	1	1	1	0	0	0.0%	-5.26%
50		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-2.63%
100		4	0.95	0.928	0.972	0.9	1	0.0107	0.0577	6.08%	0.0%

Rank Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	8.13	6.32	9.93	1	10.5	0.882	4.75	58.5%	0.0%
10		4	10.5	10.5	10.5	10.5	10.5	0	0	0.0%	-29.2%
50		4	8.63	7.2	10.1	3	10.5	0.696	3.75	43.5%	-6.15%
100		4	6.75	5.1	8.4	3	10.5	0.804	4.33	64.2%	16.9%

Graphics





CETIS Analytical Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 20-9170-6528/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	10-2507-9023	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	21 Dec-07 15:41	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	5795186	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

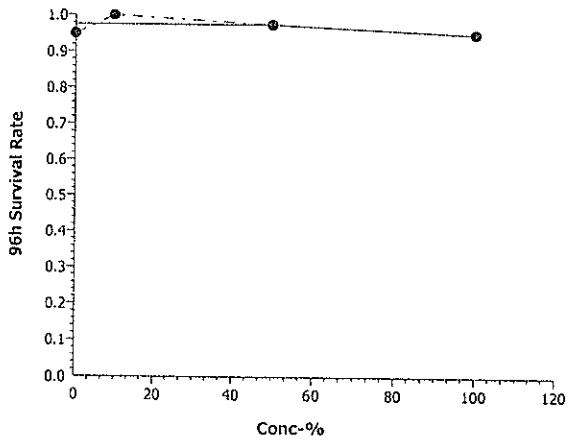
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	38	40
10		4	1	1	1	0	0	0.0%	-5.26%	40	40
50		4	0.975	0.9	1	0.00913	0.05	5.13%	-2.63%	39	40
100		4	0.95	0.9	1	0.0105	0.0577	6.08%	0.0%	38	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	1
50		1	1	0.9	1
100		0.9	1	1	0.9

Graphics



Analyst: JR QA: Ma 1/4/08

CETIS Summary Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 12-6133-8459/0711-S021b

Mysid 96-h Acute Survival Test — **Nautilus Environmental (CA)**

Test Run No:	15-0610-5129 14:12	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~14:30~~	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~12:30~~ JR	Species:	Americamysis bahia	Brine:	Not Applicable
Duration:	94h 12:15	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	07-2458-3118	Code:	724583118	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	4h	Station:	2C		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
04-7175-9144	96h Survival Rate	100	> 100	N/A	9.92%	Dunnett's Multiple Comparison Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
15-9526-7923	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
10		4	1	1	1	1	1	0	0	0.0%	-5.26%
50		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-2.63%
100		4	0.925	0.906	0.944	0.9	1	0.00913	0.05	5.41%	2.63%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	1
50		1	0.9	1	1
100		0.9	0.9	1	0.9

CETIS Analytical Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 12-6133-8459/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	04-7175-9144	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	21 Dec-07 15:43	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Angular (Corrected)		C > T	Not Run	100	>100	N/A	1	9.92%

Dunnett's Multiple Comparison Test

Control	vs	Conc-%	Test Stat	Critical	MSD	P-Value	Decision(5%)
Lab Control		10	-1.13	2.29	0.155	0.9700	Non-Significant Effect
		50	-0.525	2.29	0.155	0.8960	Non-Significant Effect
		100	0.681	2.29	0.155	0.4670	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0324239	0.010808	3	1.18	0.3570	Non-Significant Effect
Error	0.1095471	0.0091289	12			
Total	0.1419709	0.0199369	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Mod Levene Equality of Varianc	0.425	5.95	0.7380	Equal Variances
Distribution	Shapiro-Wilk Normality	0.895		0.0678	Normal Distribution

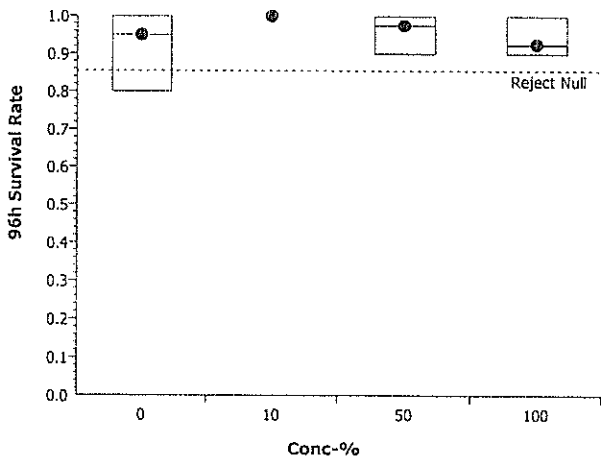
96h Survival Rate Summary

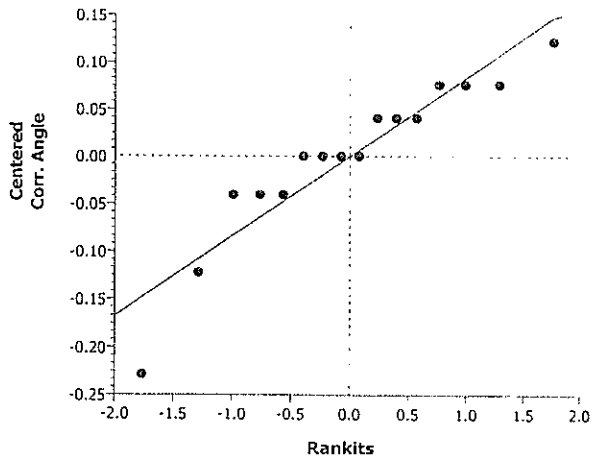
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
10		4	1	1	1	1	1	0	0	0.0%	-5.26%
50		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-2.63%
100		4	0.925	0.906	0.944	0.9	1	0.00928	0.05	5.41%	2.63%

Angular (Corrected) Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	1.34	1.28	1.39	1.11	1.41	0.0283	0.152	11.4%	0.0%
10		4	1.41	1.41	1.41	1.41	1.41	0	0	0.0%	-5.71%
50		4	1.37	1.34	1.4	1.25	1.41	0.0151	0.0815	5.94%	-2.66%
100		4	1.29	1.26	1.32	1.25	1.41	0.0151	0.0815	6.32%	3.44%

Graphics





Analyst: JR QA: 1/9/08

CETIS Analytical Report

Report Date: 28 Dec-07 10:08 (p 1 of 1)
Link/Link Code: 12-6133-8459/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	15-9526-7923	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	21 Dec-07 15:43	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	2895625	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

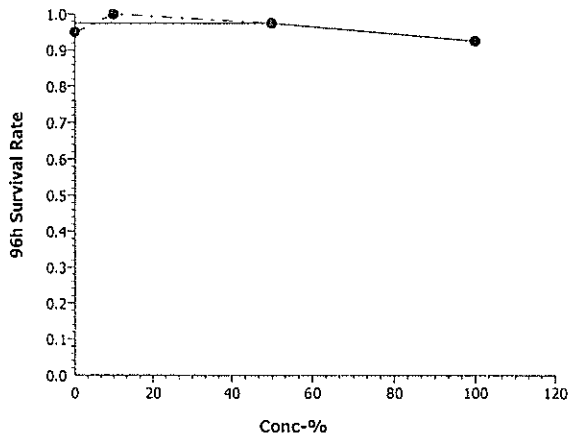
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	38	40
10		4	1	1	1	0	0	0.0%	-5.26%	40	40
50		4	0.975	0.9	1	0.00913	0.05	5.13%	-2.63%	39	40
100		4	0.925	0.9	1	0.00913	0.05	5.41%	2.63%	37	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	1
50		1	0.9	1	1
100		0.9	0.9	1	0.9

Graphics



Analyst: JR QA Ma 1/9/08

CETIS Summary Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 08-6940-7414/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	15-0610-5129	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 ~~14:30~~ 14:40	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 ~~12:30~~ 12:40 JR	Species:	Americamysis bahia	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	08-2694-2849	Code:	826942849	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	4h	Station:	UC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
19-9705-1480	96h Survival Rate	100	> 100	N/A	11.6%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
12-5466-5184	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
10		4	0.95	0.928	0.972	0.9	1	0.0105	0.0577	6.08%	0.0%
50		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-2.63%
100		4	0.95	0.928	0.972	0.9	1	0.0105	0.0577	6.08%	0.0%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	0.9	0.9	1
50		1	1	0.9	1
100		1	0.9	0.9	1

CETIS Analytical Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 08-6940-7414/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	19-9705-1480	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	21 Dec-07 15:38	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	100	>100	N/A	1	11.6%

Steel Many-One Rank Test

Control	vs	Conc-%	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		10	17	10	1	0.6350	Non-Significant Effect
		50	18.5	10	1	0.8000	Non-Significant Effect
		100	17	10	1	0.6350	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.0046339	0.0015446	3	0.13	0.9400	Non-Significant Effect
Error	0.1427463	0.0118955	12			
Total	0.1473801	0.0134401	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	1.33	11.3	0.7220	Equal Variances
Distribution	Shapiro-Wilk Normality	0.797		0.0025	Non-normal Distribution

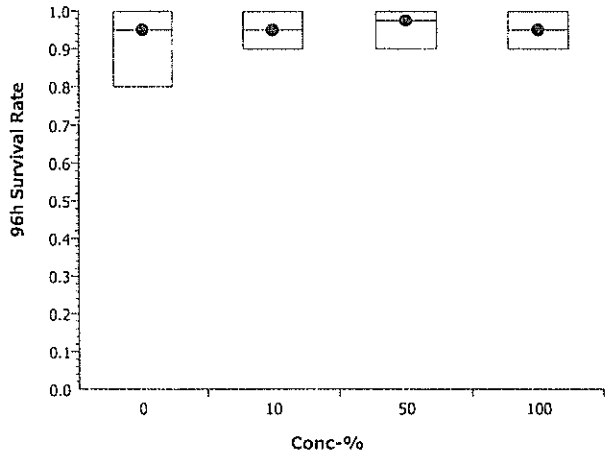
96h Survival Rate Summary

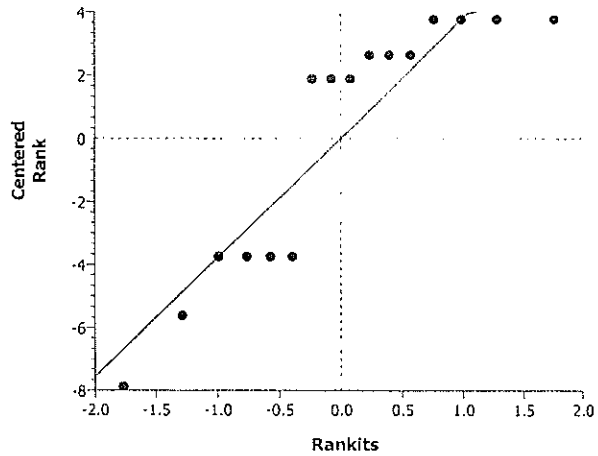
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
10		4	0.95	0.928	0.972	0.9	1	0.0107	0.0577	6.08%	0.0%
50		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-2.63%
100		4	0.95	0.928	0.972	0.9	1	0.0107	0.0577	6.08%	0.0%

Rank Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	8.88	6.88	10.9	1	11.5	0.975	5.25	59.2%	0.0%
10		4	7.75	6.1	9.4	4	11.5	0.804	4.33	55.9%	12.7%
50		4	9.63	8.2	11.1	4	11.5	0.696	3.75	39.0%	-8.45%
100		4	7.75	6.1	9.4	4	11.5	0.804	4.33	55.9%	12.7%

Graphics





Analyst: JR QA 1/4/08

CETIS Analytical Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 08-6940-7414/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	12-5466-5184	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	21 Dec-07 15:39	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	5334240	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

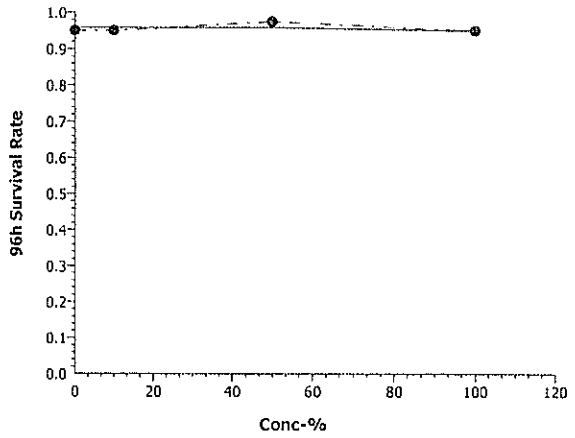
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	38	40
10		4	0.95	0.9	1	0.0105	0.0577	6.08%	0.0%	38	40
50		4	0.975	0.9	1	0.00913	0.05	5.13%	-2.63%	39	40
100		4	0.95	0.9	1	0.0105	0.0577	6.08%	0.0%	38	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	0.9	0.9	1
50		1	1	0.9	1
100		1	0.9	0.9	1

Graphics



Analyst: JR QA: MA 1/4/08

CETIS Summary Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 04-7222-4452/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Test Run No:	15-0610-5129	Test Type:	Survival (96h)	Analyst:	
Start Date:	14 Nov-07 14:30	Protocol:	EPA/821/R-02-012 (2002)	Diluent:	Diluted Natural Seawater
Ending Date:	18 Nov-07 12:30	Species:	Americamysis bahia	Brine:	Not Applicable
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:	

Sample No:	06-0562-5524	Code:	605625524	Client:	AMEC
Sample Date:	14 Nov-07 10:00	Material:	Elutriate	Project:	
Receive Date:	14 Nov-07 10:00	Source:	Port of Los Angeles		
Sample Age:	4h	Station:	LC		

Comparison Summary

Analysis No	Endpoint	NOEL	LOEL	TOEL	PMSD	Method
21-3894-2676	96h Survival Rate	100	> 100	N/A	13.1%	Steel Many-One Rank Test

Point Estimate Summary

Analysis No	Endpoint	Effect-%	Conc-%	95% LCL	95% UCL	Method
17-8047-4882	96h Survival Rate	50	> 100	N/A	N/A	Linear Interpolation (ICPIN)

96h Survival Rate Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.913	0.987	0.8	1	0.0183	0.1	10.5%	0.0%
10		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-2.63%
50		4	0.975	0.956	0.994	0.9	1	0.00913	0.05	5.13%	-2.63%
100		4	0.8	0.757	0.843	0.7	0.9	0.0211	0.115	14.4%	15.8%

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	0.9
50		1	0.9	1	1
100		0.7	0.9	0.9	0.7

CETIS Analytical Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 04-7222-4452/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	21-3894-2676	Endpoint:	96h Survival Rate	CETIS Version:	CETISv1.6.3
Analyzed:	21 Dec-07 15:35	Analysis:	Nonparametric-Control vs Treatments	Official Results:	Yes

Data Transform	Zeta	Alt Hyp	Monte Carlo	NOEL	LOEL	TOEL	TU	PMSD
Rank		C > T	Not Run	100	>100	N/A	1	13.1%

Steel Many-One Rank Test

Control	vs	Conc-%	Test Stat	Critical	Ties	P-Value	Decision(5%)
Lab Control		10	18.5	10	1	0.8000	Non-Significant Effect
		50	18.5	10	1	0.8000	Non-Significant Effect
		100	12	10	0	0.1000	Non-Significant Effect

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(5%)
Between	0.1752176	0.0584059	3	3.98	0.0351	Significant Effect
Error	0.1760539	0.0146712	12			
Total	0.3512715	0.0730770	15			

ANOVA Assumptions

Attribute	Test	Test Stat	Critical	P-Value	Decision(1%)
Variances	Bartlett Equality of Variance	1.88	11.3	0.5980	Equal Variances
Distribution	Shapiro-Wilk Normality	0.84		0.0097	Non-normal Distribution

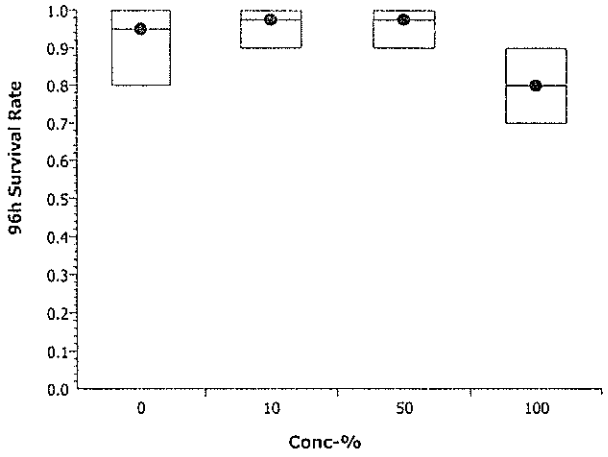
96h Survival Rate Summary

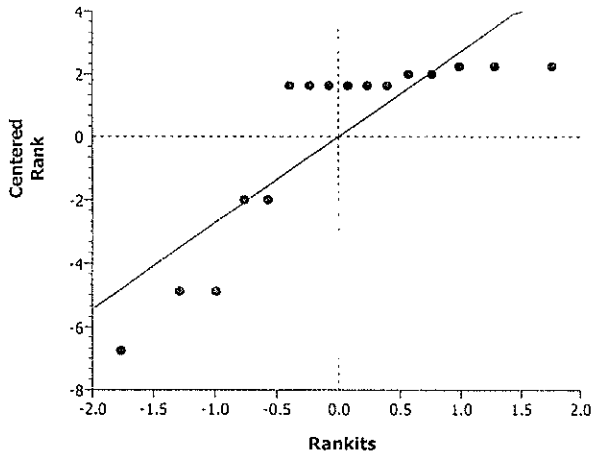
Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	0.95	0.912	0.988	0.8	1	0.0186	0.1	10.5%	0.0%
10		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-2.63%
50		4	0.975	0.956	0.994	0.9	1	0.00928	0.05	5.13%	-2.63%
100		4	0.8	0.756	0.844	0.7	0.9	0.0214	0.115	14.4%	15.8%

Rank Transformed Summary

Conc-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	Diff%
0	Lab Control	4	9.75	8.04	11.5	3	12	0.836	4.5	46.2%	0.0%
10		4	10.4	9.14	11.6	5.5	12	0.604	3.25	31.3%	-6.41%
50		4	10.4	9.14	11.6	5.5	12	0.604	3.25	31.3%	-6.41%
100		4	3.5	2.62	4.38	1.5	5.5	0.429	2.31	66.0%	64.1%

Graphics





Analyst: JR QA: NA 1/4/08

CETIS Analytical Report

Report Date: 28 Dec-07 10:09 (p 1 of 1)
Link/Link Code: 04-7222-4452/0711-S021b

Mysid 96-h Acute Survival Test — Nautilus Environmental (CA)

Analysis No:	17-8047-4882	**Endpoint:**	96h Survival Rate	**CETIS Version:**	CETISv1.6.3
Analyzed:	21 Dec-07 15:35	**Analysis:**	Linear Interpolation (ICPIN)	**Official Results:**	Yes

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	7055475	280	Yes	Two-Point Interpolation

Point Estimates

Effect-%	Conc-%	95% LCL	95% UCL
50	> 100	N/A	N/A

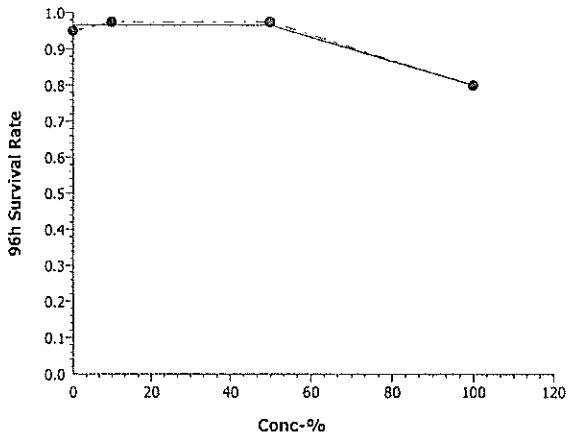
96h Survival Rate Summary

			Calculated Variate(A/B)								
Conc-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	Diff%	A	B
0	Lab Control	4	0.95	0.8	1	0.0183	0.1	10.5%	0.0%	38	40
10		4	0.975	0.9	1	0.00913	0.05	5.13%	-2.63%	39	40
50		4	0.975	0.9	1	0.00913	0.05	5.13%	-2.63%	39	40
100		4	0.8	0.7	0.9	0.0211	0.115	14.4%	15.8%	32	40

96h Survival Rate Detail

Conc-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Lab Control	1	0.8	1	1
10		1	1	1	0.9
50		1	0.9	1	1
100		0.7	0.9	0.9	0.7

Graphics



Analyst: JR QA: 1/4/08

Appendix Table D-5. Summary of Bioaccumulation-Phase One-way ANOVAs

AMEC - POLA Berths 145-147

Clam and Polychaete Survival

Clam Survival

Parameter	Value	Data Set-B	Data Set-C
Table Analyzed			
Transform of Bioaccum Clam Survival			
One-way analysis of variance			
P value	0.0008		
P value summary	***		
Are means signif. different? (P < 0.05)	Yes		
Number of groups	6		
F	5.978		
R squared	0.5348		
Bartlett's test for equal variances			
Bartlett's statistic (corrected)	14.12		
P value	0.0148		
P value summary	*		
Do the variances differ signif. (P < 0.05)	Yes		
ANOVA Table	SS	df	MS
Treatment (between columns)	0.5745	5	0.1149
Residual (within columns)	0.4997	26	0.01922
Total	1.074	31	

Polychaete Survival

Parameter	Value	Data Set-B	Data Set-C
Table Analyzed			
Transform of Bioaccum Worm Survival			
One-way analysis of variance			
P value	0.0081		
P value summary	**		
Are means signif. different? (P < 0.05)	Yes		
Number of groups	6		
F	3.985		
R squared	0.4338		
Bartlett's test for equal variances			
Bartlett's statistic (corrected)	63.50		
P value	P<0.0001		
P value summary	***		
Do the variances differ signif. (P < 0.05)	Yes		
ANOVA Table	SS	df	MS
Treatment (between columns)	0.2021	5	0.04043
Residual (within columns)	0.2638	26	0.01015
Total	0.4659	31	

Appendix Table D-6. Summary of Multiple Comparison One-Tailed *t*-tests
AMEC - POLA Berths 145-147

Comparisons to Reference Site

Test Site	*Eohaustorius* Survival	*Neanthes* Survival	*Macoma* Survival	*Nereis* Survival
Site 1C	0.355	0.500	**0.006***	0.403
Site 2C	**0.002***	0.071	**<0.001***	0.156
Site UC	0.125	0.174	**0.009***	0.121
Site LC	**0.001***	0.071	**<0.001***	0.115

Asterisk bold indicates a statistically significant decrease ($p \leq 0.05$)

APPENDIX E

Chain-of-Custody Forms

Nautilus Environmental

Chain of Custody

☒ CALIFORNIA
5550 Morehouse Drive • Suite 150
San Diego, California 92121
Phone 858.587.7333
Fax 858.587.3961

☐ WASHINGTON
5009 Pacific Highway East • Suite 2
Tacoma, Washington 98424
Phone 253.922.4296
Fax 253.922.5814

☐ BRITISH COLUMBIA
8664 Commerce Court
Burnaby, British Columbia, Canada V5A 4N3
Phone 604.420.8773
Fax 604.357.1361

Date 30 OCT 07 Page 1 of 1

Sample Collection by: AMEC – POLA B145-147 PROJECT

Report to:
Company AMEC
Address 9210 Sky Park Court #200
City San Diego State CA Zip 92123
Contact NICK BUHBE
Phone/Email nicholas.buhbe@amec.com

Invoice to:
Company (AT LEFT)
Address
City State Zip
Contact
Phone/Email

ANALYSES REQUIRED

SAMPLE ID	DATE	TIME	MATRIX	CONTAINER TYPE	NUMBER OF CONTAINERS	COMMENTS	GREENBOOK SP	GREENBOOK SPP	GREENBOOK BP	RECEIPT TEMPERATURE (°C)
1C	30 OCT 2007		SED	5 gal BUCKET	4		X	X	X	
2C	↓		↓	↓	4		↓	↓	↓	
REF	↓		↓	↓	4	COLLECTED 28 OCT 07	↓	↓	↓	
~~CORE 1 UPPER~~	↓		↓	↓	~~1~~	~~REQUIRES COMPOSITING, PLS RETAIN~~				
~~CORE 1 LOWER~~	↓		↓	↓	~~2~~	Compositing Complete 11/5				
~~CORE 2 UPPER~~	↓		↓	↓	~~1~~	↓				
~~CORE 2 LOWER~~	↓		↓	↓	~~2~~	See add. coc for U-C & L-C				

PROJECT INFORMATION	SAMPLE RECEIPT	
CLIENT	TOTAL NO. OF CONTAINERS	18
P.O. NO.	REC'D GOOD CONDITION	Y
SHIPPED VIA:	MATCHES TEST SCHEDULE	Y

SPECIAL INSTRUCTIONS/COMMENTS:
ADD'L UPPER + LOWER SAMPLES TO BE COLLECTED 2NOV 07;

RELINQUISHED BY (CLIENT)	RELINQUISHED BY (COURIER)
(Signature) N. BUHBE (Time) 2100	(Signature) (Time)
(Printed Name) N. BUHBE (Date) 30 ~~28~~ OCT 07	(Printed Name) (Date)
(Company) AMEC	(Company)
RECEIVED BY (COURIER)	**RECEIVED BY (LABORATORY)**
(Signature) (Time)	(Signature) John Rudolph (Time) 1000
(Printed Name) (Date)	(Printed Name) (Date) 10/31/07
(Company)	Nautilus Environmental Log-in No. 07-0228 → 0234

Additional costs may be required for sample disposal or storage. Net 30 unless otherwise contracted.

DISTRIBUTION: WHITE - Nautilus Environmental, COLOR - Originator

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date: 2 Nov 07

Page 1 of 1

LABORATORY CLIENT: AMEC E&E

ADDRESS: 9210 Sky Pk. Ct. #200

CITY: S.D. STATE: CA ZIP: 92123

TEL: (858) 300-4322 E-MAIL: tyler.huff@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS: Note: B1-B has ~11.5 gallons sed. 2 Buckets + a bag loose of sediment. Ziplock & secured in the "Ref" sediment bucket of the freezer.

CLIENT PROJECT NAME / NUMBER: POLA B-145 On-shore drilling

PROJECT CONTACT: Nick Bubbe

SAMPLER(S): (PRINT): Tyler Huff

COELT LOG CODE: ☐☐☐☐

P.O. NO.:

LAB USE ONLY: ☐☐-☐☐☐☐

COOLER RECEIPT TEMP = ____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH (G)	TPH (D) or	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C)	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)		Green Book SP	Green Book SPP	Green Book BP
	~~Core B1-B Upper Station~~		~~2 Nov 07~~		~~sed~~	~~2 buckets~~			~~TO~~			~~BE~~		~~Composited~~					~~11/5~~				
	~~Core B2-B Upper Station~~		↓		↓	↓			~~TO~~		~~BE~~			~~Composited~~					~~11/5~~				
	Upper Composite (U-C)		2 Nov 07		sed	4 buckets															X	X	X
	Lower Composite (L-C)		2 Nov 07		sed	4 buckets			Composited			11/5/07									X	X	X

Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time:
Tyler Huff AMEC	1910 2 Nov 07	Nautilus	11/5/07	1749
Tyler Huff	1747 5 Nov 07			

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

Western
① under Freeway
Del Amo
②
corner
Van Ness.

Leena X-111

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
(310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID #

Client Name Address	AMEC E+E 9210 Sky Pk. Ct. #200 San Diego, CA 92123
Sampled By	N. Bubbe, T. Huff
Project Manager	Nick Bubbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.bubbe@amec.com
Project Name/Number	POLA B-195 7151000004
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS
1	Ref-A	12/13/07	N/A	Tissue	2	ziplock	X	X	X	X	X	X
2	Ref-B											
3	Ref-C											
4	Ref-D											
5	Ref-E											
6	LC-A											
7	LC-B											
8	LC-C											
9	LC-D											
10	LC-E											

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments: each location (i.e. Ref-A) has 1 bag worms, 1 bag clams.

RELINQUISHED BY

Signature:	
Print:	Tyler Huff (AMEC)
Company:	AMEC
DATE:	12/21/07 TIME:

RECEIVED BY

Signature:	
Print:	John Rudolph
Company:	Nautilus Environmental
DATE:	12/21/07 TIME: 1100

switch

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Western ① under Freeway Del Amo ② corner Van Ness.

Leena X-111

page 2 of 3

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
(310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID #

Client Name Address	AMEC E+E 9210 Sky Pk. Ct. #200 San Diego, CA 92123
Sampled By	N. Buhbe, T. Hoff
Project Manager	Nick Buhbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.buhbe@amec.com
Project Name/Number	POLA B-195 7151000802
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS					
1	UC-A	12/13/07	N/A	Tissue	2	ziplock	X	X	X	X	X	X					
2	UC-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
3	UC-C																
4	UC-D																
5	UC-E																
6	RC-A																
7	RC-B																
8	RC-C																
9	RC-D																
10	RC-E																

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments: each location (i.e. Ref-A) has 1 bag worms, 1 bag clams.

RELINQUISHED BY			
Signature:	[signature]		
Print:	John Rudolph		
Company:	Nautilus Environmental		
DATE:	12/21/07	TIME:	1100

RECEIVED BY			
Signature:	[signature]		
Print:	Tyler Hoff		
Company:	AMEC		
DATE:	12/21/07	TIME:	1101

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Western ① under Freeway Del Amo ② corner Van Ness.

Leena X-1111

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
(310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID #

Client Name Address	AMEC E+E 9210 Sky Pk. Ct. #200 San Diego CA 92123
Sampled By	N. Bubbe, T. Huff
Project Manager	Nick Bubbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.bubbe@amec.com
Project Name/Number	POLA B-145 7151000802
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS					
1	1C-A	12/13/07	N/A	tissue	2	ziplock	X	X	X	X	X	X					
2	1C-B						↓	↓	↓	↓	↓	↓					
3	1C-C																
4	1C-D																
5	1C-E																
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments:
each location (i.e. Ref-A) has 1 bag worms, 1 bag clams.

RELINQUISHED BY			
Signature:	[signature]		
Print:	John Rudolph		
Company:	Nautilus Environmental		
DATE:	12/21/07	TIME:	1100

RECEIVED BY			
Signature:	[signature]		
Print:	AMEC Tyler Huff		
Company:	AMEC		
DATE:	12/21/07	TIME:	1101

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Appendix B
Marine and Shoreline Core Logs

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 1-1
DATE: 30 OCT 07
TIME (hrs.): 0830

	COORDINATES:	
LAT	33° 45.627	627
LONG	118° 16.395	393
DISTANCE & HEADING	0.01 @ 293	0.01 @ 289

WATER DEPTH:	57.5	54.5	47
- TIDE:	4	4	4
= MLLW ELEVATION:	53.5	50.5	43
PROJECT DEPTH:	55	58 *	59
CORE DEPTH:	7.5		16

* barely on side slope

CORE NUMBER:	1-CØ	C1 2
TARGET PENETRATION:	7.5	16
ACTUAL PENETRATION:	7	8
RECOVERY (Target >70%):	2.5	8

hard @ 4.5

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

C1 TOP OF CORE

dk gr silt 4.5 — A

transition w/ gr f. sand 0.5

tan/br/gray consolidated clayey Silt w/ f. Sand 3

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER
SMELL? NONE ORGANIC OIL OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
initial sampling location only 1' above proj depth
moving to PHL
@ ~ 39+40
project depth - 57 (max) +2 (overdredge) -1 (because on side slope)
CØ - poor recovery of v. consolidated material
moving shoreward to get better bite -
C1 - good recovery
Archive collected from top layer 1-1 A
CØ - discarded

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 3.9
Grain Size

RECORDER: NB

ANCHORING DIAGRAM: 39+50

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 1-2
DATE: 30 OCT 07
TIME (hrs.): 1000

COORDINATES:
LAT 33° 45.660
LONG 118° 16.379
DISTANCE & HEADING 0.01 @ 196° (NM)

WATER DEPTH: 46.5
- TIDE : 5
= MLLW ELEVATION: 41.5
PROJECT DEPTH: 59
CORE DEPTH: 17

CORE NUMBER:	1	2
TARGET PENETRATION:	17	17
ACTUAL PENETRATION:	6'	6
RECOVERY (Target >70%):	4.5	5

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

loose gray silt 4.5

GENERALIZED OBSERVATIONS:
Is there a plug? ~~YES~~ / NO
Charaterize the Plug: SOLID / ~~LOOSE~~
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY gravel
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER
SMELL? NONE ORGANIC OIL OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO
PHOTO OF CORE? 1 to 2 3 4 5

COMMENTS:
C1 - gravel in plug @ 6', otherwise consistent
C2 - very consistent
off of 37+50, approx 10' off bumper
material more consolidated @ depth

gravel in plug

BOTTOM OF CORE

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 4.5
Grain Size

RECORDER: WD
ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147

CORE LOG

WATER DEPTH: 48.9

STATION: 1-3

COORDINATES:

- TIDE : 5

DATE: 30 OCT 09

LAT 33° 45.691

= MLLW ELEVATION: 43.9

LONG 118° 16.373

TIME (hrs.): 1050

PROJECT DEPTH: 55

DISTANCE & HEADING 0 @ 223°

CORE DEPTH: 11

CORE NUMBER: 1

WEATHER:

TARGET PENETRATION: 11

SKY: sunny partly cloudy rain fog overcast

ACTUAL PENETRATION: 11

SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

RECOVERY (Target >70%): 7.5

TOP OF CORE

gr/brn loose silt 1.5

gr/blch silt 1.5

gr f. sand 4.5

GENERALIZED OBSERVATIONS:

Is there a plug? YES / NO

Charaterize the Plug: SOLID / LOOSE

COLOR of plug? TAN BROWN GRAY BLACK GREEN

GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY

SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER

SMELL? NONE ORGANIC OIL OTHER:

OIL SHEEN? YES / NO

DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:

off of 35+25 ; 25' off bumper

v. nice core

bottom sandy material v. consistent

BOTTOM OF CORE

CONTAINERS:

16 oz 1

8 oz

4 oz

Bucket (gal) 4L

Grain Size

RECORDER: NB

ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 1-4
DATE: 30 OCT 07
TIME (hrs.): 1140

COORDINATES:
LAT 33° 45.709
LONG 118° 16.366
DISTANCE & HEADING Ø @ 66°

WATER DEPTH: 50
- TIDE : 5.7
= MLLW ELEVATION: 44.3
PROJECT DEPTH: 53 + 2
CORE DEPTH: 10.5

CORE NUMBER:	1	2
TARGET PENETRATION:	10.5	10.5
ACTUAL PENETRATION:	6	10
RECOVERY (Target >70%):	5	6

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

C2 TOP OF CORE

gr/tan silt 1.5
dk gr blch f. sand 1.0 NB
dk gr blch silt 0.5
dk gr/blch f. sand 0.5
gr/blue f sand 2.5

shell hash

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE
MUDSTONE SILT CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER HASH
SMELL? NONE ORGANIC OIL
OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
C1 - good core - need add'l volume
C2 - same pattern going, but then - went to target
C1 and C2 very consistent, C1 bottom material w/ slightly lighter color
shell hash in transition zone

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 4.5
Grain Size

RECORDER: MB

ANCHORING DIAGRAM:
34+00
~15' off, 10' south of 34+00

PORT OF ANGELES - BERTH 145 - 147

CORE LOG

WATER DEPTH: 50

STATION: 1-5

COORDINATES:

- TIDE : 5.6

DATE: 30 OCT 07

LAT 33 45.734

= MLLW ELEVATION: 44.4

LONG 118 16.355

TIME (hrs.): 1315

PROJECT DEPTH: 55

DISTANCE & HEADING ~~0.01 @ 289~~ 0 @ 282

CORE DEPTH: 10.5

CORE NUMBER: 1

TARGET PENETRATION: 10.5

ACTUAL PENETRATION: 9

RECOVERY (Target >70%): 7

WEATHER:

SKY: sunny partly cloudy rain fog overcast

SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

gr f. sand 1

gr f-med sand 0.5

5.5 *

gr f sand

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:

Is there a plug? YES / NO

Charaterize the Plug: SOLID / LOOSE

COLOR of plug? TAN BROWN GRAY BLACK GREEN

GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY

SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER

SMELL? NONE ORGANIC OIL

OTHER:

OIL SHEEN? YES / NO

DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:

@ 32+50 (no further north due to bow lines of "MOL Express")

almost no surficial 'fluff' layer.

*- additional f/med. sand lens noted 5' from top upon homogenization.

CONTAINERS:

16 oz 1

8 oz

4 oz

Bucket (gal)

Grain Size

RECORDER: NO

ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 2-1
DATE: 10/29/07
TIME (hrs.): 1030

COORDINATES:
LAT 33° 45.497
LONG 118° 16.447
DISTANCE & HEADING 0.01 NM @250°

WATER DEPTH: 39
- TIDE : 6.8
= MLLW ELEVATION: 32
PROJECT DEPTH:
CORE DEPTH:

CORE NUMBER: 1
TARGET PENETRATION: 20
ACTUAL PENETRATION: 15
RECOVERY (Target >70%): 13 ~~75%~~ NB

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

tan/gray loose silt 1

blck/gr loose silt 4

transition 0.5

gray consolidated clay/silt 7.5

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER
SMELL? NONE ORGANIC OIL OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
H/S tailgate this am prior to leaving dock

C1 - transition w/ some shell hash and fine sand

petroleum odor @ 4 ft down from top

oyster

sampled archive 2-1(A) (Discrete)

BOTTOM OF CORE

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 4.5
Grain Size

RECORDER: NB

ANCHORING DIAGRAM: Side tied to the "Twilight" wharf

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 2-2
DATE: 29 OCT 07
TIME (hrs.): 1330

COORDINATES:
LAT 33° 45.525
LONG 118° 16.445
DISTANCE & HEADING 0.01 @ ~~313~~ 11°

WATER DEPTH: ~~39'~~ NB 48.9
- TIDE: ~~5.8~~ 5.8
= MLLW ELEVATION: ~~33~~ 43.1
PROJECT DEPTH: 53
CORE DEPTH: 16

CORE NUMBER: 1
TARGET PENETRATION: 10
ACTUAL PENETRATION: 10
RECOVERY (Target >70%): ~~9.5~~ NB 9

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

light gray/tan fluffy silt	1'
dk gr w/ some sand lenses	1'
gr silt	2'
light gray silt	5'

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER
SMELL? NONE ORGANIC OIL OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

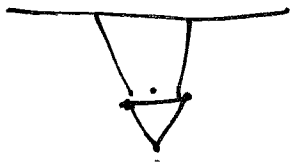
PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
some shell hash in lower 2' of silt

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 5
Grain Size

RECORDER: NB

ANCHORING DIAGRAM:



PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 2-3
DATE: 29 OCT 07
TIME (hrs.): 1140

COORDINATES:
LAT 33° 45.589
LONG 118° 16.418
DISTANCE & HEADING 0 @ 192°

WATER DEPTH: 61
- TIDE : 7
= MLLW ELEVATION: 54
PROJECT DEPTH: ~~MS 11~~ 65
CORE DEPTH: 11

CORE NUMBER: 1
TARGET PENETRATION: 11+
ACTUAL PENETRATION: 12.5
RECOVERY (Target >70%): 11

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

gr loose silt 4.5
gr compact silt 4.5 (*)
gr silt 0.5
gr/brn silt 1
blue-gr compact clayey silt 0.5

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE ~~MEDIUM~~ FINE MUDSTONE ~~SILT~~ CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER — Tagelus
SMELL? NONE ORGANIC OIL OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

Same

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
slowed penetration @ 12.5, refusal @ 12.5
1.5' plug - tan silt - very compact w/ lighter colored inclusions, rust spots
(*) layer of cream colored micro strata/layers (photo taken) - no odor; ~ 1" thick shell hash (Tagelus) @ top of gr compact silt layer
noted discrepancy in depth measure, verified

CONTAINERS:
16 oz
8 oz
4 oz
Bucket (gal) 4
Grain Size

RECORDER: NB
ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

43.5

WATER DEPTH: ~~24~~ 57.2

- TIDE : 3 3.8

= MLLW ELEVATION: 40.5 53.4

PROJECT DEPTH: 65

CORE DEPTH: 25

STATION: 2-4

DATE: 29 OCT 07

TIME (hrs.): 1517

COORDINATES:

LAT 33° 45.544

LONG 118° 16.427

DISTANCE & HEADING NA

CORE NUMBER: 1

TARGET PENETRATION: 25

ACTUAL PENETRATION: 10

RECOVERY (Target >70%):

WEATHER:

SKY: sunny partly cloudy rain fog overcast

SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

blk/dk gr silt 1 (loose

blk silt w/odor 1.5

v consolidated

gray silt w/ clay 6

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:

Is there a plug? YES / NO

Charaterize the Plug: SOLID / LOOSE

COLOR of plug? TAN BROWN GRAY BLACK GREEN

GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY

SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER

SMELL? NONE ORGANIC OIL OTHER:

OIL SHEEN? YES / NO

DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:

Appears that GPS of 2-4 and 2-3 are identical and therefore collecting this sample in vicinity of where 2-3 is designated

- Approx 15' offshore of wharf face

- refusal @ 10'

- bottom layer - v. little shell hash

- middle black layer w/odor of petroleum and therefore archived 2-4(A)

CONTAINERS:

16 oz

8 oz

4 oz

Bucket (gal)

Grain Size

RECORDER:

ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147
CORE LOG

STATION: 2-5
DATE: 29 OCT 07
TIME (hrs.): 1610
DISTANCE & HEADING

COORDINATES:
LAT 33° 45 608
LONG 118 16 403

WATER DEPTH: 47.10
- TIDE : 1.5
= MLLW ELEVATION: ~~47.10~~ 57+2
PROJECT DEPTH: 13.5
CORE DEPTH:

CORE NUMBER: 1
TARGET PENETRATION: 13.5
ACTUAL PENETRATION: 4
RECOVERY (Target >70%):

WEATHER:
SKY: sunny partly cloudy rain fog overcast
SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

dk gr/blck silt w/ oystr shell + mussel @ surface 2

blue-gray compact clay/silt 3

BOTTOM OF CORE

GENERALIZED OBSERVATIONS:
Is there a plug? YES / NO
Charaterize the Plug: SOLID / LOOSE
COLOR of plug? TAN BROWN GRAY BLACK GREEN
GRAINSIZE of plug? SAND : COARSE MEDIUM FINE
MUDSTONE SILT CLAY
SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER
SMELL? NONE ORGANIC OIL
OTHER:
OIL SHEEN? YES / NO
DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:
- Original station location at project depth moved location landward to area proposed for dredging to -57
- top 6" w/ shell trash
~ 8' SE of wharf.

CONTAINERS:
16 oz 1
8 oz
4 oz
Bucket (gal) 2.5
Grain Size

RECORDER:
ANCHORING DIAGRAM:

PORT OF ANGELES - BERTH 145 - 147

CORE LOG

STATION: 2-6

DATE: 29 OCT 07

TIME (hrs.):

COORDINATES:

LAT

LONG

DISTANCE & HEADING: 0.00 @ 430

WATER DEPTH: 3.3

- TIDE: 0.5

= MLLW ELEVATION: 32.5

PROJECT DEPTH: -45

CORE DEPTH: 12.5

CORE NUMBER: 1

TARGET PENETRATION: 12.5

ACTUAL PENETRATION: 13

RECOVERY (Target >70%): 11.5

WEATHER:

SKY: sunny partly cloudy rain fog overcast

SEA STATE (BEAUFORT SCALE) 0 1 2 3 4

TOP OF CORE

black silt w/ shell hash 1.5

black silt 4

transition 1

consolidated gray silt w/ clay + shell hash 5

A

GENERALIZED OBSERVATIONS:

Is there a plug? YES / NO

Charaterize the Plug: SOLID / LOOSE

COLOR of plug? TAN BROWN GRAY BLACK GREEN

GRAINSIZE of plug? SAND : COARSE MEDIUM FINE MUDSTONE SILT CLAY

SHELL DEBRIS? YES / NO MUSSEL / CLAM / OYSTER

SMELL? NONE ORGANIC OIL OTHER:

Archive

OIL SHEEN? YES / NO

DEBRIS? YES / NO

PHOTO OF CORE? 1 2 3 4 5

COMMENTS:

Archive collected from 4' below surficial mud + shell

- shell hash in lenses - -4.5, -8.5

BOTTOM OF CORE

CONTAINERS:

16 oz 1

8 oz

4 oz

Bucket (gal)

Grain Size

RECORDER: MB

ANCHORING DIAGRAM:

LEGEND FOR BORINGS AND WELLS

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

MAJOR DIVISIONS			SYMBOLS	DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS LITTLE OR NO FINES	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO.4 SIEVE	GRAVELS WITH FINES APPRECIABLE AMOUNT OF FINES	GM	Silty gravels, gravel-sand-silt mixtures
			GC	Clayey gravels, gravel-sand-clay mixtures
MORE THAN 50% OF MATERIAL COARSER THAN NO. 200 SIEVE SIZE	SAND AND SANDY SOILS	CLEAN SANDS LITTLE OR NO FINES	SW	Well-graded sands, gravelly sands, little or no fines
			SP	Poorly graded sands, gravelly sands, little or no fines
	MORE THAN 50% OF COARSE FRACTION PASSING NO.4 SIEVE	SANDS WITH FINES APPRECIABLE AMOUNT OF FINES	SM	Silty sands, sand-silt mixtures
			SC	Clayey sands, sand-clay mixtures
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50	ML	Inorganic silts, very fine sands, rock flour, silty/clayey fine sands or clayey silts of slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
			OL	Organic silts and organic silty clays of low plasticity
MORE THAN 50% OF MATERIAL FINER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silt
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
HIGHLY ORGANIC SOILS			PT	Peat, humus, swamp soils with high organic content

NOTE: DUAL SYMBOLS USED FOR BORDERLINE CLASSIFICATIONS

Sampler Symbols

- 2-inch-O.D. Split Spoon Sampler Driven with 140-lb Safety Hammer and 30-inch Drop (SPT)
- Blank portion of sampler box indicates portion of sample that was NOT RECOVERED; the RECOVERED portion is indicated by the sampler type symbol.
- 3-inch-O.D. Split Spoon Sampler Driven with 140-lb Auto-Hammer and 30-inch Drop
- Core Barrel
- Grab Sample
- 3-inch-O.D. Shelby Tube Sampler
- Disturbed Sample

Well Schematic Symbols

- Pipe in cement grout
- Pipe in bentonite seal
- Pipe in filter pack sand
- Slotted (or perforated) pipe in filter pack sand
- End cap at bottom of pipe

General Notes

Descriptions and stratum lines are interpretive; field descriptions may have been modified to reflect lab test results. Descriptions on these logs apply only at the specific boring locations and at the time the borings were advanced; they are not warranted to be representative of subsurface conditions at other locations or times.

Groundwater Level Symbols

- Water level during drilling
- Water level after completion

Explanation of Log Columnar Data

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF			PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
							GR	SA	FI			
1	2	3	4	5	6	7	8	9	10	11	12	13

1. Graphic symbol representing soil lithology using symbols in chart above
2. Depth of sample collection (feet below ground surface)
3. Graphic representation of sampling interval and recovered portion using sampler symbols shown above
4. Portion of sample recovered over sample length (e.g., 1.0/1.5 indicates 1 foot of sample recovered from sample length of 1.5 feet)
5. Number of blows to advance driven sampler each 6-inch interval, or distance noted, using the hammer weight and drop recorded on the log
6. Field geologists description of soil
7. Unified soil classification symbol
8. Gravel percentage (greater than Number 4 sieve size)
9. Sand percentage (between Number 4 and 200 sieve size)
10. Fines percentage (finer than Number 200 sieve size, i.e., silt/clay)
11. Photoionization detector headspace reading in parts per million; measurement taken by placing approx. 10 grams of soil in a zip lock bag, waiting 10 minutes for any volatile organic chemicals present to vaporize, then opening a corner of the bag, inserting tip of PID, and recording the highest instrument response.
12. Identification of laboratory sample and the collection time
13. Schematic of well or borehole completion with explanatory notes

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BORING / WELL ID	SOIL BORING ☒	SHEET 1 OF 9
CORE 1	MONITORING WELL ☐	

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

DRILLING COMPANY	DRILLER	DATE AND TIME STARTED	DATE AND TIME COMPLETED
WDC	**Jose**	**10/29/07 08:50**	**10/29/07 16:00**
DRILLING EQUIPMENT	**DRILLING METHOD**	**COMPLETION DEPTH**	**TOTAL NUMBER OF SAMPLES**
CME 85	**HSA**	**80 ft BGS**	
SIZE AND TYPE OF BIT	**BOREHOLE DIAMETER**	**WEATHER AND TEMPERATURE**	
5 in.	**8 in.**	**Warm ~ 75 degrees**	

DRILLING FLUID	DRILLING ANGLE	GROUND WATER DEPTH	DURING DRILLING	AFTER COMPLETION
None	**120°**		**19.0 ft**	

SAMPLER TYPE	HAMMER	HYDROGEOLOGIST - DATE	CHECKED BY - DATE
2 1/2-inch Core Barrel	DRIVING WT. **NA lb** DROP **NA in.**	**M. Mettu - 10/29/07**	**N. Starr - 12/07/07**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	0				Asphalt paving							
					Dark brown, silty sand with gravel, dry, no odor.	SM	5	85	15	0.0		
	2											
					Hand augered to 2.5 ft BGS; Began drilling with hollow stem at 2.5 ft BGS.	SM	20	60	20			
					Dark brown, silty sand with gravel, loose, moist, no odor.							
			1/2.5							0.1		
	4									42		
					Dark brown, silty clay with cobbles, tight, dry, organic odor, some wood chips.	CL	5	20	75			Backfilled borehole with bentonite grout to 3 feet bgs, bentonite chips to 0.5 feet bgs, and cement to ground surface.
	6											
			3.5/5							0.2		
	8											

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BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	8									36.4		
					Intermittent discoloration (black spots)							
	10				Dark brown, silty clay, tight, stiff, dry, strong odors.	CL	0	20	80			
					Dark brown, silty clay, tight, strong organic odor. Little spot with a dark black line.	CL	0	20	80			
	12		1.5/5							6.5		
										6.9		
	14		0.5/5		Gray, silty sand, loose, moist, no odor.	SM	0	80	20	0.0		
	16											
	18											

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BORING / WELL ID **CORE 1**

SOIL BORING [X]
MONITORING WELL [ ]

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	18											
	20				No recovery							
	22		0/5							7.0		
	24				No recovery							
					Gray, silty sand, soft, loose, no odor, little pieces of shell.	SM	0	85	15			
	26											
	28		3.25/5							0.0		

amec

BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	28											
	30				Gray, sandy silt, soft, loose, no odor, shells.		0	70	30			
										0.1		
	32											
			1.5/5							1.3		
	34											
										0.1		
					No recovery							
	36											
			0/5									
	38											

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BORING / WELL ID **CORE 1**

SOIL BORING [X]
MONITORING WELL [ ]

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	38				No recovery							
										0.0		
	40				Gray, silty clay, soft, wet, no odor.	CL	0	20	80			
	42		0.9/5							0.9		
	44				Gray, silty clay, soft, wet, shells.		0	20	80			
	46		3.5/5							0.0		
	48											

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BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	48											
	50				Gray, silty sand, loose, wet, no odor, shells.	SM	0	80	20			
					Gray, silty clay, soft, wet, no odor.	CL	0	10	90			
	52		3.5/5							0.0		
	54											
					Same as above.							
	56											
			4/5							0.0		
	58											

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BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	58				Same as above.							
	60				Gray, clay, soft, tight, medium plasticity, no odor, shells.	CL	0	5	95			
	62		3/5							0.0		
					Same as above.							
	64											
					Same as above.							
	66											
			4.5/5							0.2		
	68											

amec

BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	68											
					Same as above.							
	70				Gray, clay, soft, tight, medium plasticity, no odor, shells.	CL	0	5	95			
	72											
			3/5							0.1		
					Same as above.							
	74											
					Same as above.							
	76											
			4.5/5							0.0		
	78											

amec

BORING / WELL ID **CORE 1**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145-147**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	78				Same as above.							
	80				Bottom of borehole at 80.0 feet.							

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BORING / WELL ID	SOIL BORING ☒	SHEET 1 OF 9
CORE 2	MONITORING WELL ☐	

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

DRILLING COMPANY	DRILLER	DATE AND TIME STARTED	DATE AND TIME COMPLETED
WDC	**Jose**	**10/30/07 08:30**	**10/30/07 16:30**
DRILLING EQUIPMENT	**DRILLING METHOD**	**COMPLETION DEPTH**	**TOTAL NUMBER OF SAMPLES**
CME 85	**HSA**	**80 ft BGS**	
SIZE AND TYPE OF BIT	**BOREHOLE DIAMETER**	**WEATHER AND TEMPERATURE**	
5 in.	**8 in.**	**Hot ~ 85 degrees**	

DRILLING FLUID	DRILLING ANGLE	GROUND WATER DEPTH	DURING DRILLING	AFTER COMPLETION
None	**120°**		**18.5 ft**	

SAMPLER TYPE	HAMMER	HYDROGEOLOGIST - DATE	CHECKED BY - DATE
2 1/2-inch Core Barrel	DRIVING WT. **NA lb** DROP **NA in.**	**M. Mettu - 10/30/07**	**N. Starr - 12/07/07**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	0				Asphalt pavement							
					Brown, sand with gravel, loose, dry, no odor	SW	15	85	0			
	2				Low recovery							
			1/5							0.0		
	4											
					Brown, silty sand, loose, dry, no odor.	SM	0	85	15			◄Backfilled borehole with bentonite grout from bottom of boring to 3 feet bgs, bentonite chips to 0.5 feet bgs, and cement to ground surface.
	6				Low recovery							
			1/5							0.0		
	8											

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BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	8											
	10				Brown, silty sand, loose, dry, no odor.		0	80	20	0.0		
	12		1/5		Low recovery					0.0		
	14									0.0		
					Grayish brown, fine-grained sand, loose, moist, no odor.	SP	0	90	10			
	16		1/5		Low recovery					0.0		
	18											

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BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	18											
	20				Gray, fine-grained sandy silt, loose, wet, no odor.	ML	0	40	60			
					Grayish brown, fine-grained sandy silt, wet, no odor.		0	40	60			
	22		2/5							0.0		
	24											
					Gray, fine-grained sandy silt, loose, wet, no odor.	ML	0	40	60			
	26									0.0		
			2.5/5		Same as above.					0.0		
	28											

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BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	28									0.0		
	30				Gray, fine-grained sand, loose, wet, no odor.	SP	0	90	10			
										2.0		
	32									0.9		
			1.5/5							0.0		
	34											
					Same as above.							
	36											
			1/5							0.0		
	38											

amec

BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	38									0.0		
	40				Gray, fine-grained silty sand, loose, wet, no odor, shells.	SM	0	80	20			
	42		1/5							0.0		
	44											
					Gray, fine-grained sandy silt, loose, wet, no odor.	ML	0	20	80			
	46				Same as above with some shells.							
			3/5							0.0		
	48											

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BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME **Port of Los Angeles**
PROJECT NUMBER **715100600**
LOCATION **POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	48				Same as above.							
	50				Gray, silty clay, tight, medium plasticity, no odor.	CL	0	10	90			
	52		3/5		Some shells					0.0		
					Same as above.							
	54											
					Same as above.							
	56				Broken shell pieces							
			4/5							0.0		
	58											

amec

BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	58				Same as above.							
	60				Gray, clay, soft, medium plasticity, wet, odor.		0	5	95			
					Same as above with low plasticity.		0	10	90			
	62				Same as above.							
			4.75/5							2.4		
	64				Same as above.							
	66				No recovery - capture bit bent							
			0/5									
	68											

amec

BORING / WELL ID **CORE 2**

SOIL BORING ☒
MONITORING WELL ☐

PROJECT NAME **Port of Los Angeles**
PROJECT NUMBER **715100600**
LOCATION **POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	68											
	70				Gray, clay, soft, moist to wet, odor.	CL	0	5	95			
	72		5/5							0.3		
	74				Same as above.							
	76											
	78		4/5							0.0		

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BORING / WELL ID **CORE 2**

SOIL BORING [X]
MONITORING WELL [ ]

PROJECT NAME	PROJECT NUMBER	LOCATION
Port of Los Angeles	**715100600**	**POLA B145**

LITHOLOGY	SAMPLE INTERVAL	SAMPLES	RECOVERY	BLOW COUNT	DESCRIPTION	U.S.C.S. SYMBOL	ESTIMATED PERCENT OF GR	SA	FI	PID HEADSPACE	LAB SAMPLE ID AND (24-HR TIME)	BORING / WELL COMPLETION DETAIL
	78				Same as above.							
	80				Bottom of borehole at 80.0 feet.							

Appendix C
Marine and Shoreline Core Photographs

Core 1-1

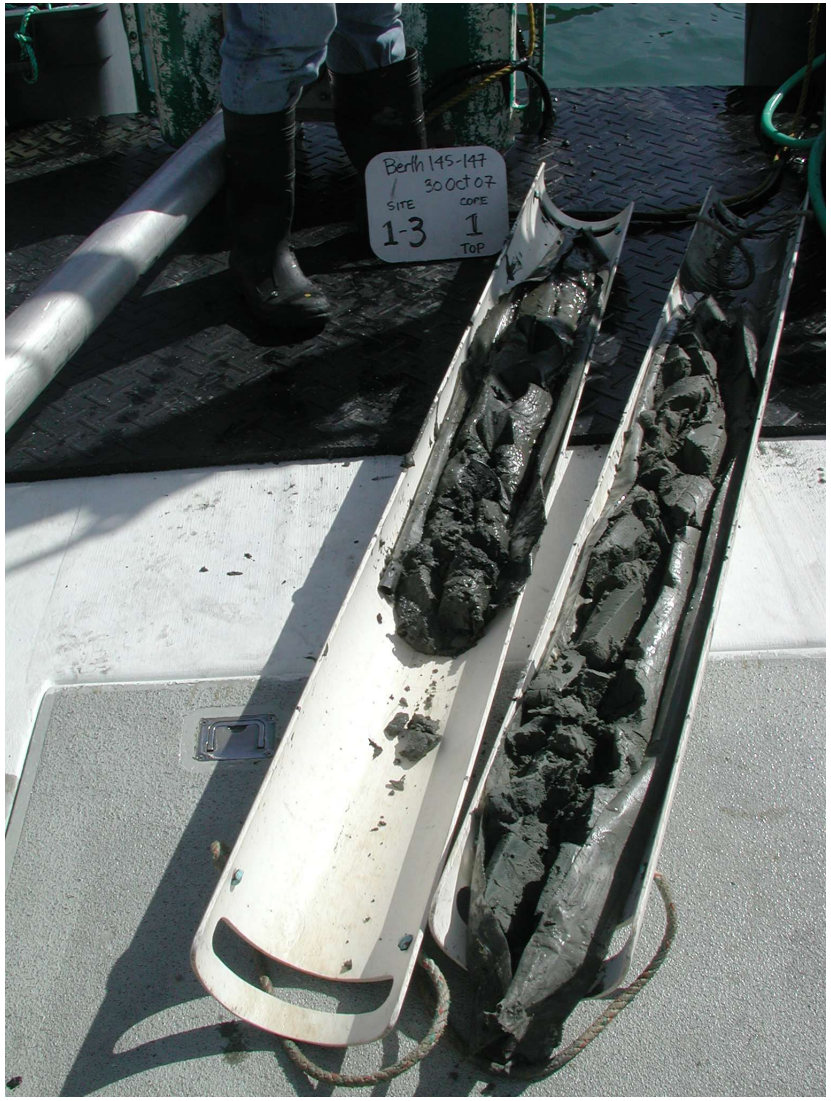
Core 1-2 (Cores 1 and 2)

Site 1: Cores 1-1 and 1-2
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-1

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_1_1and2.fh8



Core 1-3

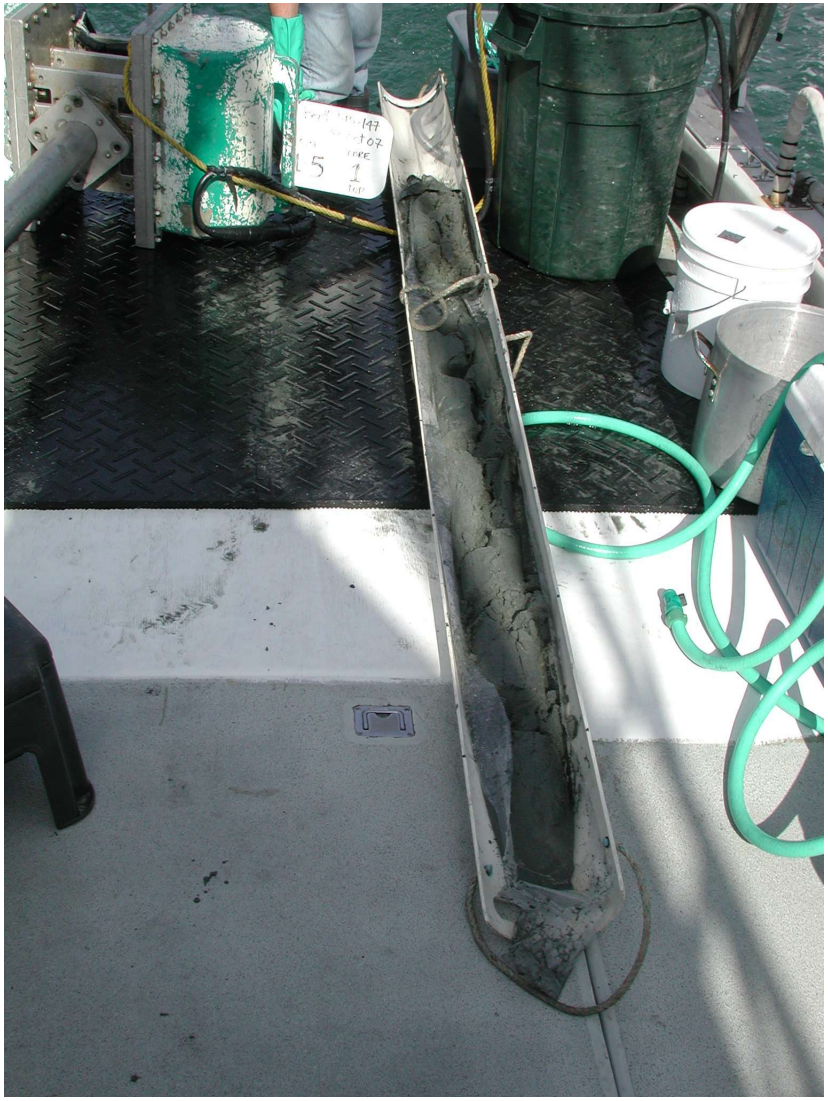
Core 1-4 (Cores 1 and 2)

Site 1: Cores 1-3 and 1-4
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-2

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_1_3and4.fh8



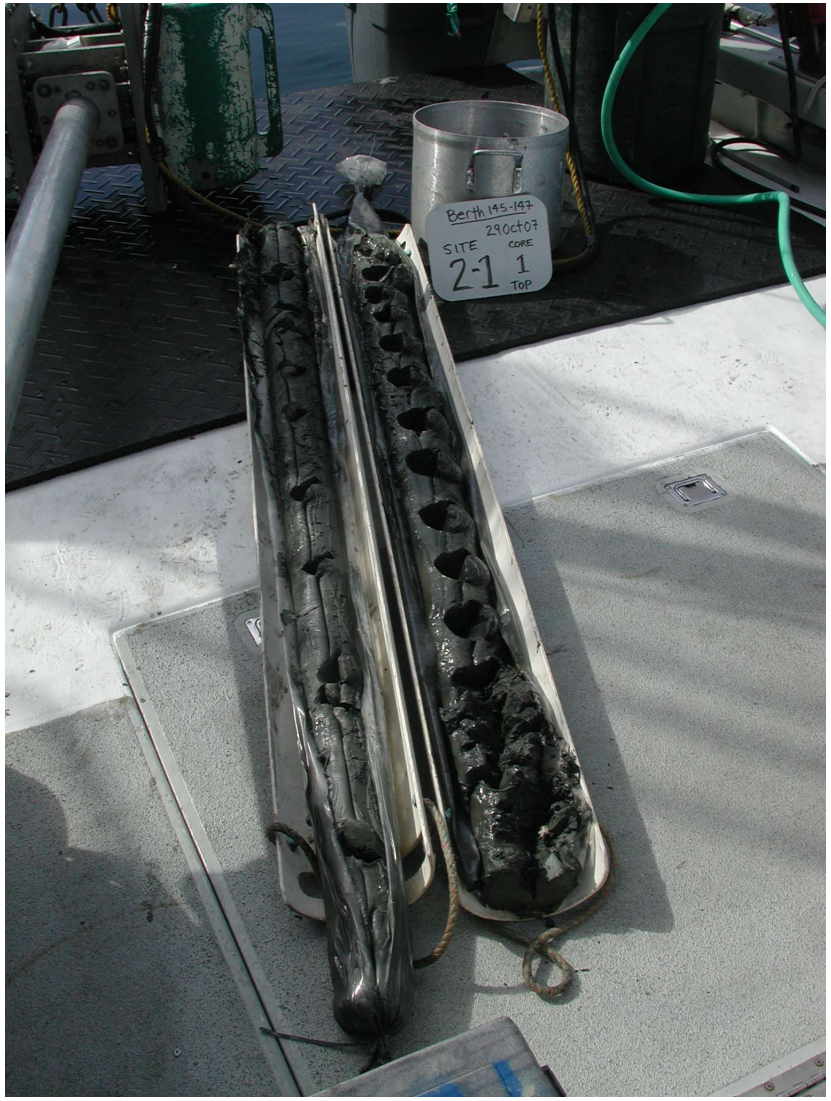
Core 1-5

Site 1: Core 1-5
Berths 145-147 Dredged Material Testing
Port of Los Angeles

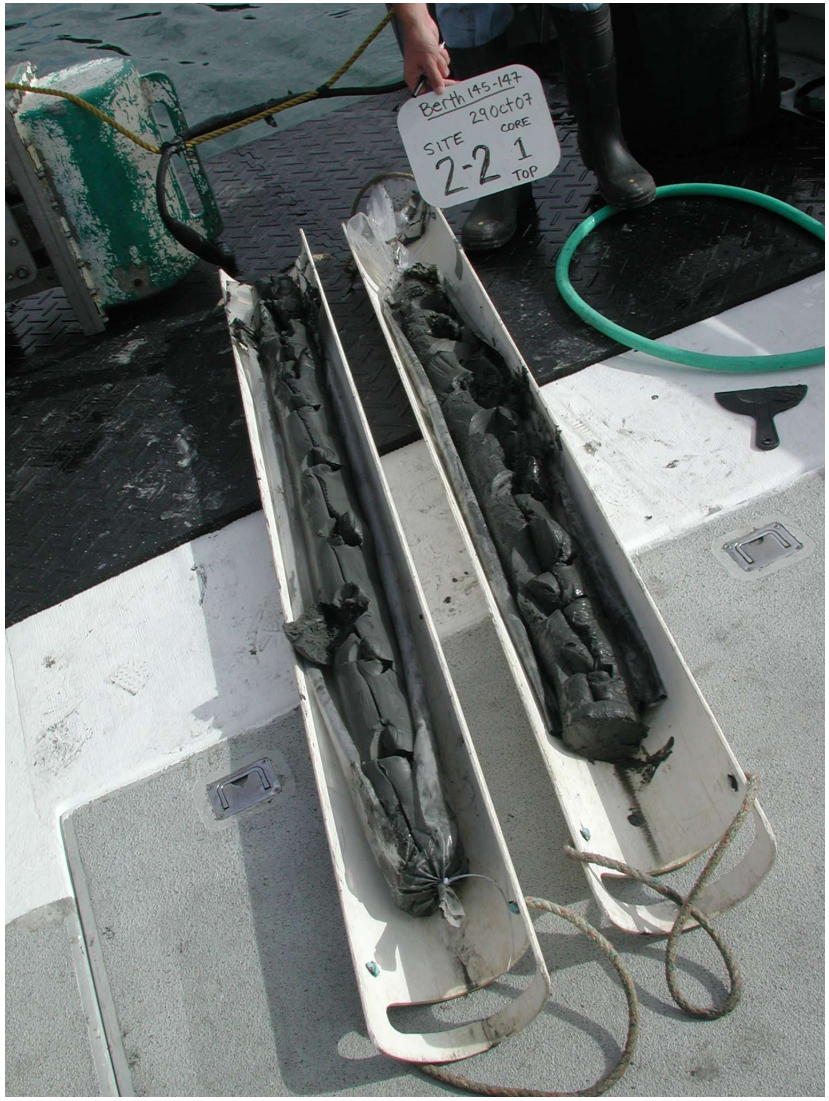
F I G U R E

C-3

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_1_5.fh8



Core 2-1



Core 2-2

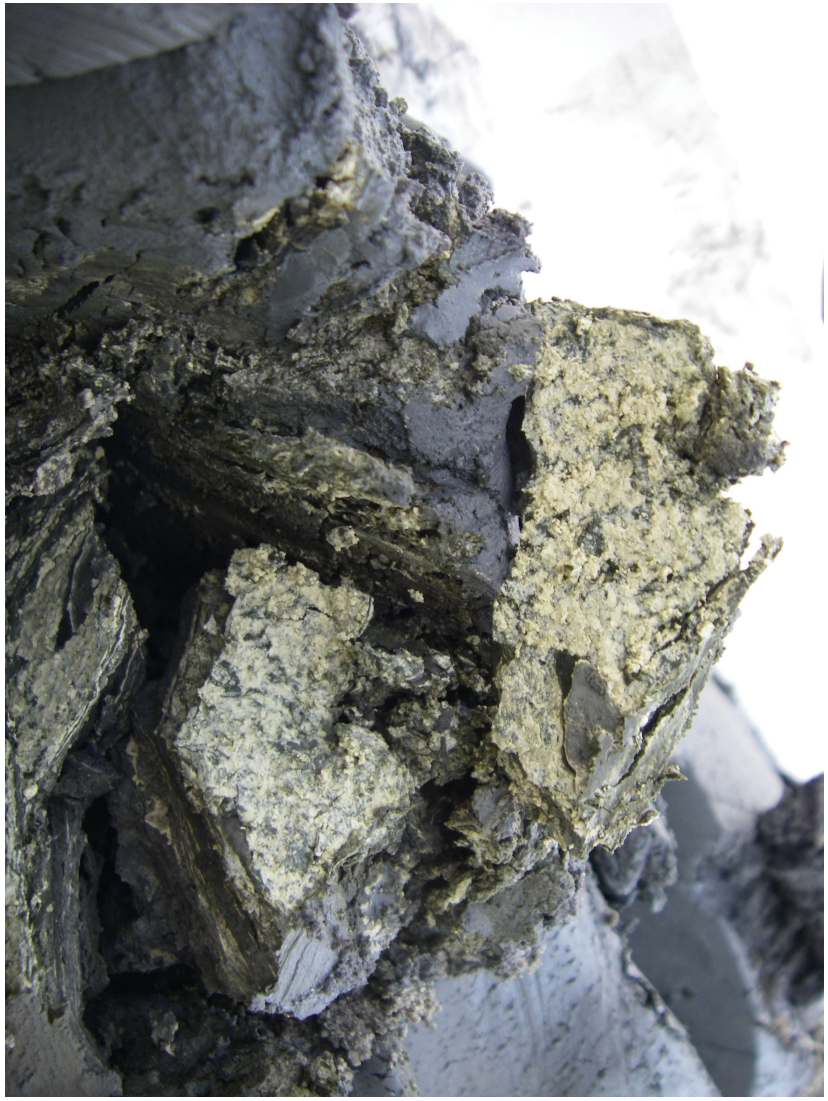
Site 2: Cores 2-1 and 2-2
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-4

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_2_1and2.fh8

Core 2-3 Detail



Core 2-3 Detail 2

Site 2: Detail of Core 2-3
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-5

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_2_3detail.fh8

Core 2-3

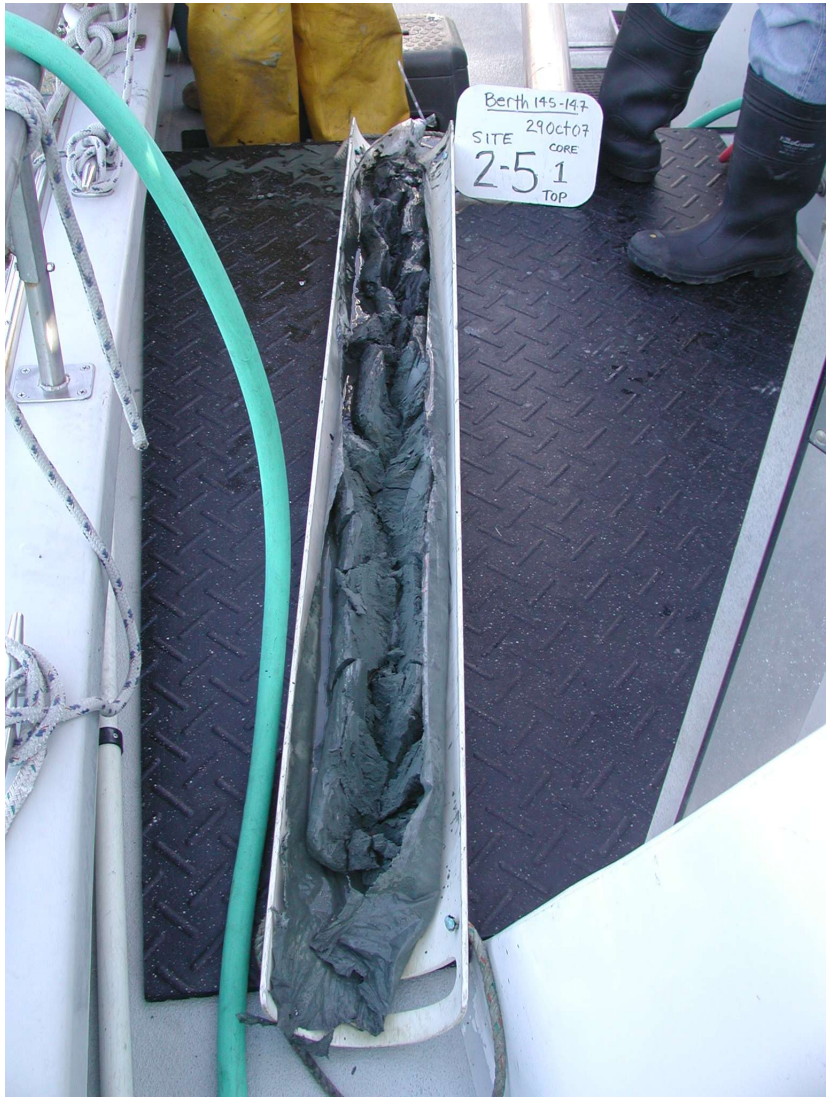
Core 2-4

Site 2: Cores 2-3 and 2-4
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-6

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_2_3and4l.fh8



Core 2-5

Core 2-6

Site 2: Cores 2-5 and 2-6
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-7

Graphics/Aquatics/POLA Berths 145_147/08WtrSd_2_5.fh8

Upper Stratum: Core B1-A
-10 to -15 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-8

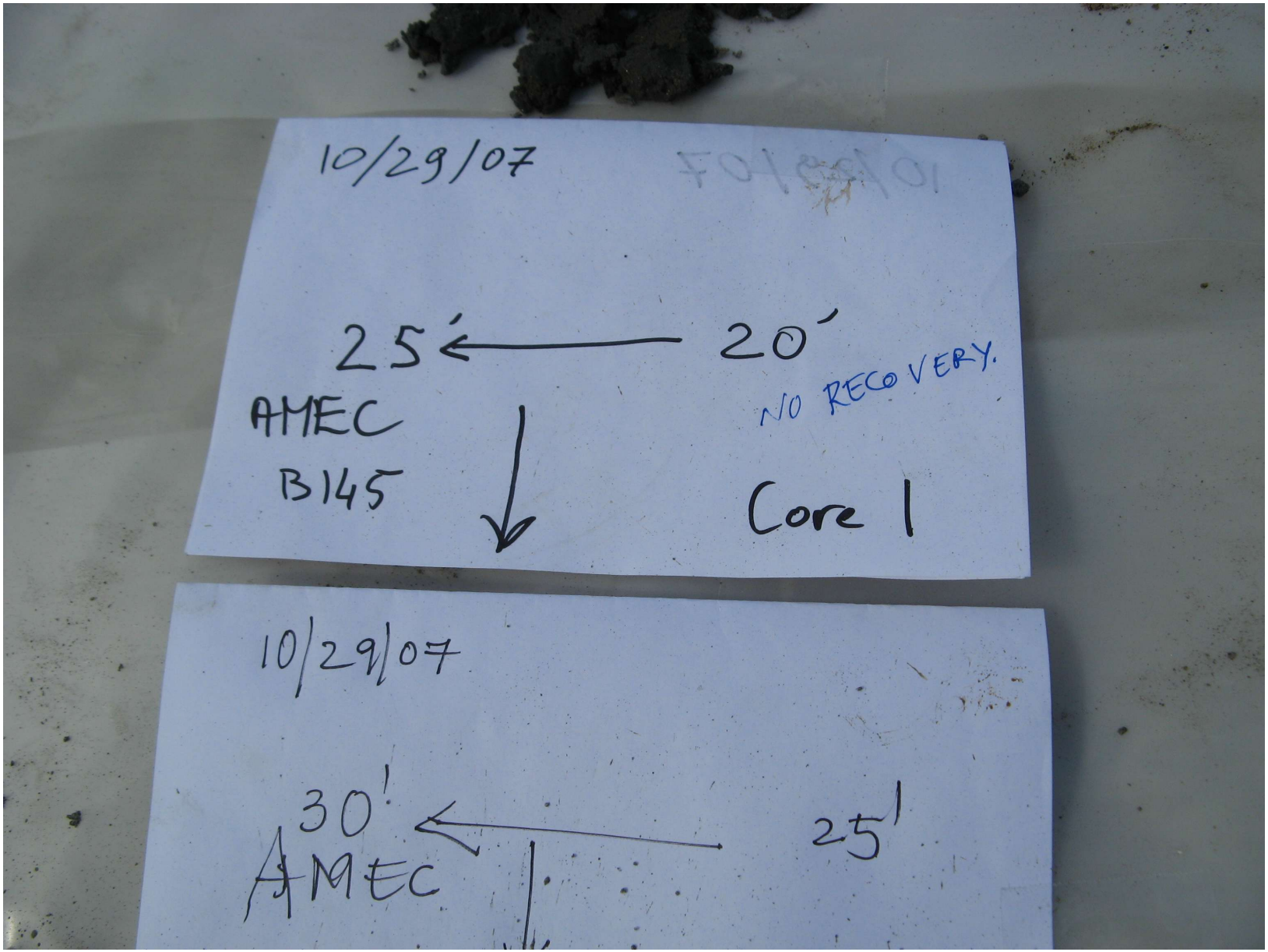
Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_8s.fh8

Upper Stratum: Core B1-A
-15 to -20 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-9

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_9s.fh8



Upper Stratum: Core B1-A
-20 to -25 ft. - No Recovery (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-10

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_10s.fh8

Upper Stratum: Core B1-A
-25 to -30 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-11

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_11s.fh8

Upper Stratum: Core B1-A
-30 to -35 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-12

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_12s.fh8

Upper Stratum: Core B1-A
-35 to -40 ft. - No Recovery (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-13

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_13s.fh8

Lower Stratum: Core B1-A
-40 to -45 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-14

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_14s.fh8

Lower Stratum: Core B1-A
-45 to -50 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-15

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_15s.fh8

Lower Stratum: Core B1-A
-50 to -55 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-16

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_16s.fh8

Lower Stratum: Core B1-A
-55 to -65 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-17

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_17s.fh8

Native Stratum: Core B1-A
-65 to -75 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-18

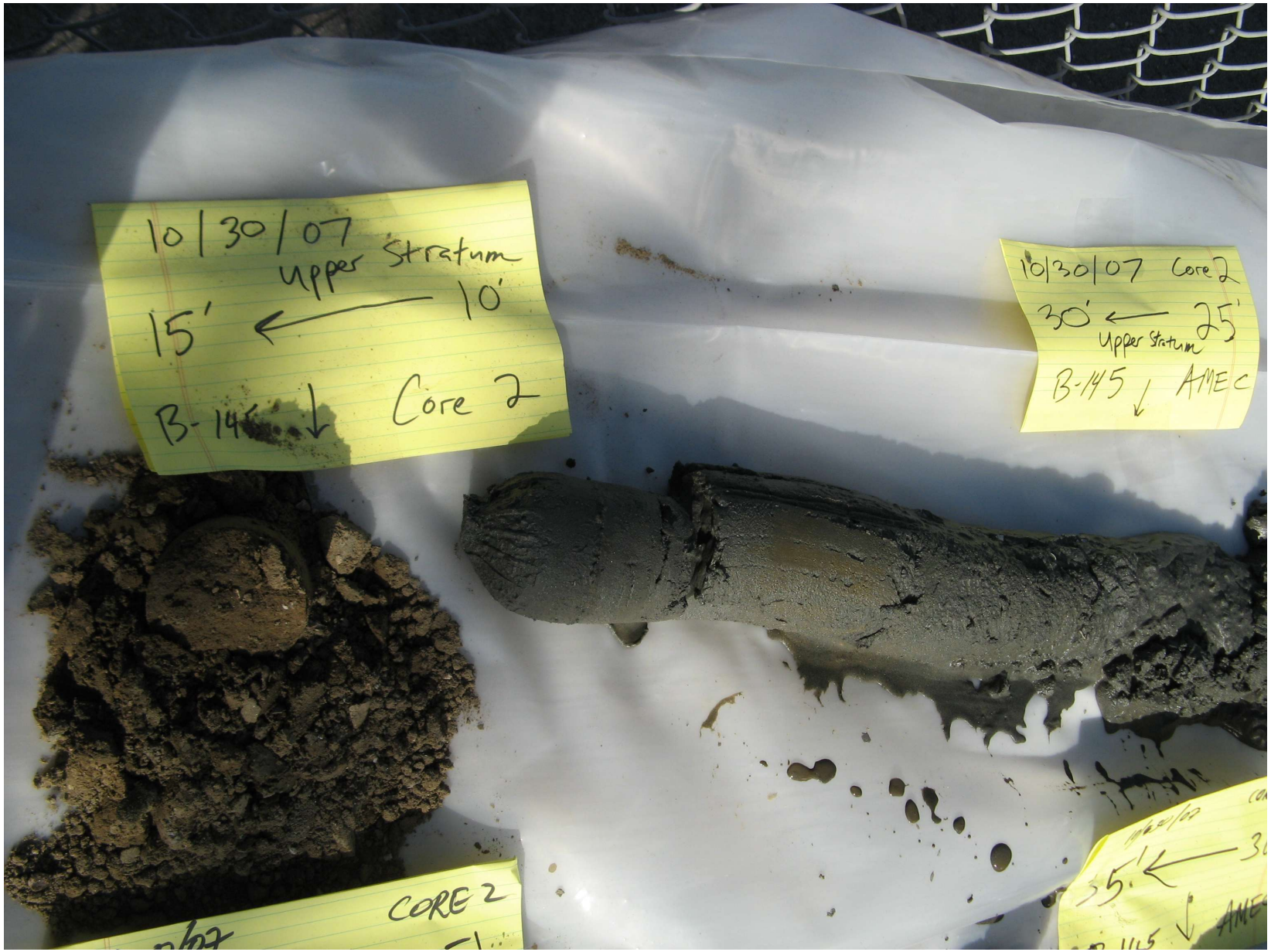
Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_18s.fh8

Native Stratum: Core B1-A
-70 to -80 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-19

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B1_A_19s.fh8



Upper Stratum: Core B2-A
-10 to -15 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-20

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_20s.fh8

Upper Stratum: Core B2-A
-15 to -20 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-21

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_21s.fh8

Upper Stratum: Core B2-A
-20 to -25 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-22

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_22s.fh8

Upper Stratum: Core B2-A
-25 to -30 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-23

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_23s.fh8

Upper Stratum: Core B2-A
-30 to -35 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-24

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_24s.fh8

Upper Stratum: Core B2-A
-35 to -40 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-25

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_25s.fh8

Lower Stratum: Core B2-A
-40 to -55 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-26

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_26s.fh8

Lower Stratum: Core B2-A
-45 to -50 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-27

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_27s.fh8

Lower Stratum: Core B2-A
-50 to -55 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-28

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_28s.fh8

Lower Stratum: Core B2-A
-55 to -65 ft. Left (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-29

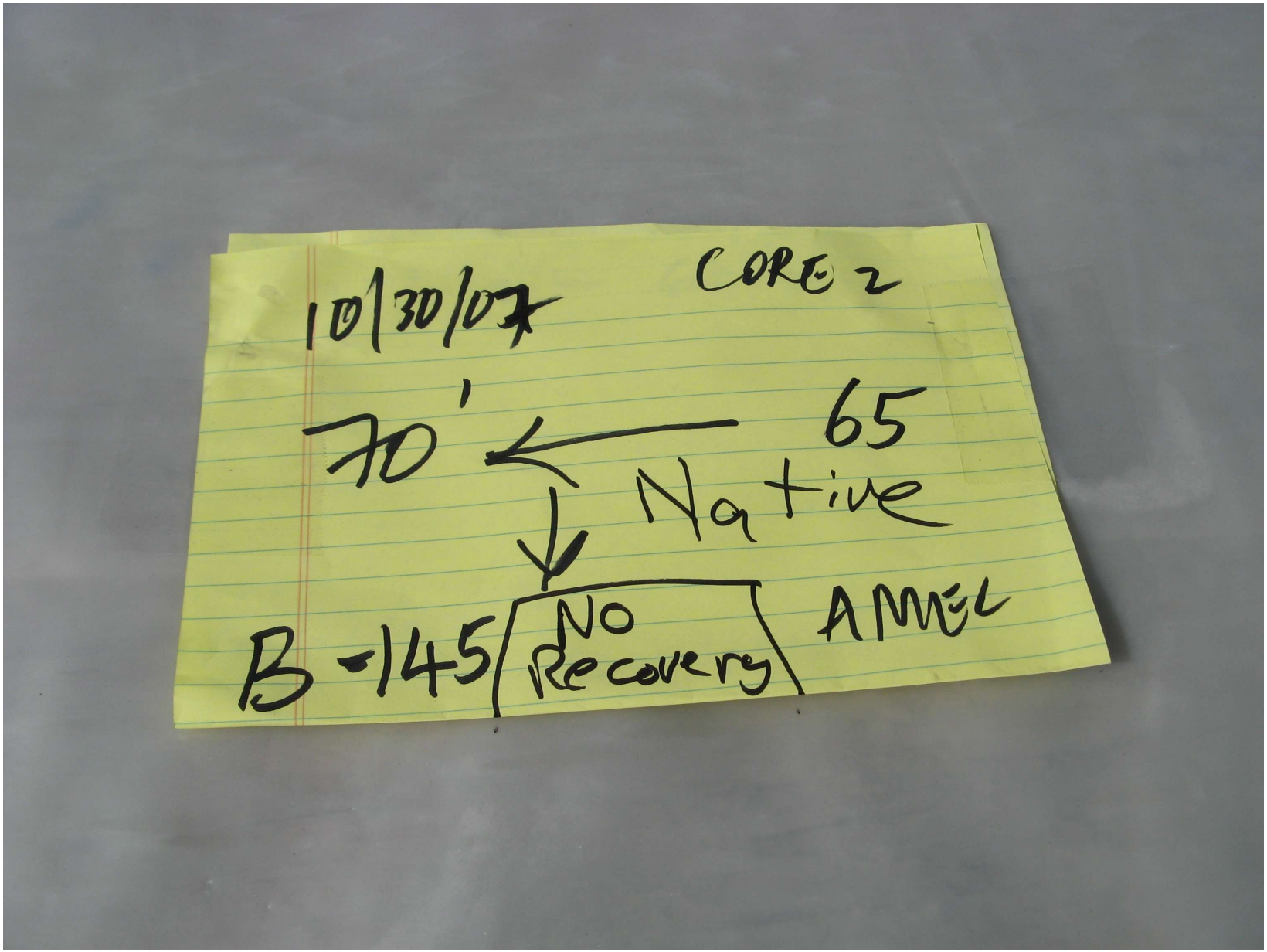
Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_29s.fh8

Lower Stratum: Core B2-A
-55 to -65 ft. Right (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-30

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_30s.fh8



Native Stratum: Core B2-A
-65 to -70 ft. - No Recovery (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE
C-31

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_31s.fh8

Native Stratum: Core B2-A
-70 to -80 ft. (Linear Interval)
Berths 145-147 Dredged Material Testing
Port of Los Angeles

FIGURE

C-32

Graphics/Aquatics/POLA Berths 145_147/08LndSd_B2_A_32s.fh8

Appendix D
Bulk Sediment Chemistry and Grain Size Reports
(Calscience Environmental Laboratories)

Original laboratory reports are included in the following order:

1. Marine (Site 1 and Site 2) and Native Strata Sediment Data (Report 0072)
2. Organotin Data for Marine and Native Strata Sediments (Report 0072 Supplement)
3. Shoreline (Lower Stratum, Upper Stratum) and Reference Sediment Data (Report 0373)
4. Organotin Data for Shoreline and Reference Sediments (Report 0373 Supplement)
5. Archived Site 2 and Lower Stratum Sediment Data (Report 0674)
6. Grain Size Reports

Appendix Table D-1. Summary Bulk Sediment Chemistry Results

			MARINE			SHORELINE				REFERENCE
Compound	**ERL**	**ERM**	**1-C (Berth 145)**	**2-C (Berth 146-47)**	**2-C (DUP)**	**Upper Stratum (U-C)**	**Lower Stratum (L-C)**	**Native B1**	**Native B2**	**REF**
GENERAL CHEMISTRY										
Ammonia (as N)			5	29	29	4	30	39	43	9.9
Carbon, Total Organic (percent)			0.67	1.3	1.7	0.94	0.93	0.78	0.83	ND
Moisture (percent)			30.3	34.1	34.1	24.7	31.1	29.1	29.3	29.6
Solids, Total (percent)			69.7	65.9	65.9	75.3	68.9	70.9	70.7	70.4
Sulfide, Dissolved			ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Total			49	39	26	ND	ND	0.14	1.4	ND
TRPH			38	ND	45	110	ND	ND	ND	ND
METALS										
Arsenic	8.2	70	6.59	***10.1***	***11.2***	4.18	7.42	7.46	***8.34***	2.27
Cadmium	1.2	9.6	0.239	0.445	0.493	0.14	0.176	0.178	0.189	ND
Chromium	81	370	33.8	48.5	53.5	18	32.2	36	44.7	24.9
Copper	34	270	***41.2***	***69.9***	***79.8***	18.9	30.9	***34.3***	***37.7***	11.1
Lead	46.7	218	20.5	38	40.7	10.2	7.64	9.09	10.6	5.18
Mercury	0.15	0.71	***0.164***	***0.449***	***0.4***	0.0421	0.0635	0.0853	0.0775	0.032
Nickel	20.9	51.6	18.5	***29.7***	***32.1***	12.7	***22.8***	***25.4***	***30.1***	11.9
Selenium			ND	ND	1.33	ND	1.09	ND	0.867	ND
Silver	1	3.7	ND	0.212	0.36	ND	ND	0.146	0.155	ND
Zinc	150	410	139	***164***	136	136	133	109	***158***	106
Monobutyltin			ND	ND	ND	ND	ND	ND	ND	ND
Dibutyltin			16	17	15	ND	ND	ND	ND	ND
Tributyltin			14	20	18	ND	ND	ND	ND	ND
Tetrabutyltin			ND	ND	ND	ND	ND	ND	ND	ND
Total Butyltins			30	37	33	0	0	0	0	0
ORGANOCHLORINE PESTICIDES										
2,4'-DDD			ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDE			ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDT			ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2	20	ND	ND	***2.9***	***7***	ND	ND	ND	ND
4,4'-DDE	2.2	27	***5.4***	***11***	***18***	***3.9***	ND	ND	ND	***6.2***
4,4'-DDT	1	7	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin			ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.5	6	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.02	8	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I			ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II			ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate			ND	ND	ND	ND	ND	ND	ND	ND
Endrin			ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde			ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone			ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor			ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide			ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor			ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene			ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclor 1254 only)	22.7	180	***24***	***54***	***98***	ND	ND	ND	ND	ND
POLYCYCLIC AROMATIC HYDROCARBONS										
Naphthalene	160	2100	ND	95	23	ND	120	ND	150	ND
Acenaphthylene	44	640	ND	57	ND	ND	ND	ND	ND	ND
Acenaphthene	16	500	ND	***95***	***45***	***20***	***35***	ND	***57***	ND
Fluorene	19	540	ND	***75***	***64***	***38***	***40***	ND	***84***	ND
Phenanthrene	240	1500	23	130	130	110	95	ND	***330***	ND
Anthracene	85.3	1100	29	76	***99***	32	***95***	ND	38	ND
Total LPAHs	552	3160	52	528	361	200	385	-	***659***	-
Fluoranthene	600	5100	38	290	440	54	40	ND	150	ND
Pyrene	665	2600	330	480	***810***	310	25	ND	110	ND
Benzo (a) Anthracene	261	1600	110	130	230	67	ND	ND	25	ND
Chrysene	384	2800	110	210	310	120	ND	ND	22	ND
Benzo (b) Fluoranthene			190	240	470	44	ND	ND	ND	ND
Benzo (k) Fluoranthene			160	170	340	ND	ND	ND	ND	ND
Benzo (a) Pyrene	430	1600	180	200	350	61	ND	ND	ND	ND
Indeno (1,2,3-c,d) Pyrene			100	110	150	15	ND	ND	ND	ND
Dibenz (a,h) Anthracene	63.4	260	23	31	42	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene			90	85	110	32	ND	ND	ND	ND
Total HPAHs	1700	9600	1331	***1946***	***3252***	703	65	-	307	-
TOTAL PAHs	4022	44792	1383	2474	3613	903	450	-	966	-
PHENOLS										
Total Phenols			65	15	62	-	268	-	1230	-
PHTHALATES										
Total Phthalates			181	153	550	168	48	73	84	75

Except as noted, general chemistry and metals in milligrams per dry kilogram units, organic compounds (including organotins) in microgram per dry kilogram units.
ND - not detected above the reporting limit.
Bold Italic - ERL value exceeded
Bold Italic - ERM value exceeded

Appendix Table D-2. Site 2 Core Archive Bulk Sediment Chemistry Results

			SITE 2 - MARINE							REFERENCE
Compound	**ERL**	**ERM**	**2-C (Composite)**	**2-1 (Archive)**	**2-2 (Archive)**	**2-3 (Archive)**	**2-4 (Archive)**	**2-5 (Archive)**	**2-6 (Archive)**	**REF**
GENERAL CHEMISTRY										
Ammonia (as N)			29	16	20	22	26	6.2	27	9.9
Carbon, Total Organic (percent)			1.3	1.9	1.3	1.6	1.6	0.68	1.9	ND
Moisture (percent)			34.1	38.1	34.2	35.7	34.9	28.3	36.1	29.6
Solids, Total (percent)			65.9	61.9	65.8	64.3	65.1	71.7	63.9	70.4
Sulfide, Dissolved			ND	ND	ND	ND	ND	ND	ND	ND
Sulfide, Total			65	2.6	8.8	1.7	49	24	97	ND
TRPH			ND	350	320	130	320	190	660	ND
METALS										
Arsenic	8.2	70	***10.1***	***12.1***	***11.1***	***12.9***	***10.8***	***9.05***	***12.6***	2.27
Cadmium	1.2	9.6	0.445	0.542	0.4	0.449	0.577	0.303	0.718	ND
Chromium	81	370	48.5	59	47.2	45.9	59.7	39.1	69.2	24.9
Copper	34	270	***69.9***	***79.3***	***57.8***	***69.2***	***158***	***53.2***	***104***	11.1
Lead	46.7	218	38	46	36.7	22.3	***48.4***	22.7	***72.2***	5.18
Mercury	0.15	0.71	***0.449***	***0.432***	***0.345***	***0.165***	***0.698***	***0.165***	***0.747***	0.032
Nickel	20.9	51.6	***29.7***	***32.3***	***30.1***	***34.8***	***35***	***26.4***	***33.3***	11.9
Selenium			ND	1.12	ND	1.17	ND	0.785	1.35	ND
Silver	1	3.7	0.212	0.294	0.191	0.193	0.213	0.144	0.334	ND
Zinc	150	410	***164***	***189***	***163***	***154***	***264***	144	***223***	106
Monobutyltin			ND	ND	ND	ND	ND	ND	ND	ND
Dibutyltin			17	42	15	14	140	31	56	ND
Tributyltin			20	49	17	25	200	35	72	ND
Tetrabutyltin			ND	ND	ND	ND	ND	ND	ND	ND
ORGANOCHLORINE PESTICIDES										
2,4'-DDD			ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDE			ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDT			ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	2	20	ND	1.9	ND	1.6	18	1.7	ND	ND
4,4'-DDE	2.2	27	***11***	***16***	***12***	***7.5***	***22***	***12***	***44***	***6.2***
4,4'-DDT	1	7	ND	3.6	ND	ND	12	ND	ND	ND
Aldrin			ND	ND	ND	ND	ND	ND	ND	ND
Alpha-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Beta-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Delta-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Gamma-BHC			ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.5	6	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.02	8	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I			ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II			ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate			ND	ND	ND	ND	ND	ND	ND	ND
Endrin			ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde			ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone			ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor			ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide			ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor			ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene			ND	ND	ND	ND	ND	ND	ND	ND
PCBs (Aroclor 1254 only)	22.7	180	***54***	***81***	***34***	***27***	***210***	***50***	***120***	ND
POLYCYCLIC AROMATIC HYDROCARBONS										
Naphthalene	160	2100	95	42	59	ND	47	ND	73	ND
Acenaphthylene	44	640	57	36	22	ND	31	18	***75***	ND
Acenaphthene	16	500	***95***	***67***	***220***	ND	***94***	ND	***74***	ND
Fluorene	19	540	***75***	64	***200***	ND	***110***	ND	***120***	ND
Phenanthrene	240	1500	130	79	***290***	18	***680***	28	210	ND
Anthracene	85.3	1100	76	***120***	***94***	31	***310***	47	***400***	ND
Total LPAHs	552	3160	528	408	***885***	49	***1272***	93	***952***	-
Fluoranthene	600	5100	290	250	250	140	***2800***	58	***1300***	ND
Pyrene	665	2600	480	670	***1000***	280	***2700***	120	***1900***	ND
Benzo (a) Anthracene	261	1600	130	160	91	83	***1300***	110	***450***	ND
Chrysene	384	2800	210	300	150	120	***1800***	100	***700***	ND
Benzo (b) Fluoranthene			240	520	310	200	1800	330	910	ND
Benzo (k) Fluoranthene			170	420	230	150	1400	270	600	ND
Benzo (a) Pyrene	430	1600	200	***430***	250	170	***1400***	280	***650***	ND
Indeno (1,2,3-c,d) Pyrene			110	160	110	79	620	130	210	ND
Dibenz (a,h) Anthracene	63.4	260	31	46	31	16	***180***	26	63	ND
Benzo (g,h,i) Perylene			85	120	88	70	470	110	150	ND
Total HPAHs	1700	9600	***1946***	***3076***	***2510***	1308	***14470***	1534	***6933***	-
TOTAL PAHs	4022	44792	2474	3484	3395	1357	***15742***	1627	***7885***	-
PHENOLS										
2,4,5-Trichlorophenol			ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol			ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol			ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol			15	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol			ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol			ND	ND	ND	ND	ND	ND	ND	ND
3/4-Methylphenol			ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-Methylphenol			ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-Methylphenol			ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND	ND	ND	ND	ND
Phenol			ND	ND	ND	ND	ND	ND	ND	ND
Total Phenols			15	-	-	-	-	-	-	-
PHTHALATES										
Bis(2-Ethylhexyl) Phthalate			100	440	180	230	190	260	260	31
Butyl Benzyl Phthalate			26	240	72	53	66	68	98	54
Diethyl Phthalate			ND	ND	ND	ND	ND	ND	ND	0
Dimethyl Phthalate			ND	ND	ND	ND	ND	ND	ND	0
Di-n-Butyl Phthalate			27	55	ND	17	46	32	ND	17
Di-n-Octyl Phthalate			ND	ND	ND	ND	ND	ND	ND	0
Total Phthalates			153	735	252	300	302	360	358	102

Except as noted, general chemistry and metals in milligrams per dry kilogram units, organic compounds (including organotins) in microgram per dry kilogram units.
ND - not detected above the reporting limit.
Bold Italic - ERL value exceeded
Bold Italic - ERM value exceeded

Appendix Table D-3. Lower Stratum Archive Bulk Sediment Chemistry Results

			Shoreline - Lower Stratum Archives					REFERENCE
Compound	**ERL**	**ERM**	**Lower Stratum (L-C) Composite**	**B1-A Lower Stratum (Archive)**	**B2-A Lower Stratum (Archive)**	**Native B1**	**Native B2**	**REF**
GENERAL CHEMISTRY								
Ammonia (as N)			30	23	21	39	43	9.9
Carbon, Total Organic (percent)			0.93	1.5	1.3	0.78	0.83	ND
Moisture (percent)			31.1	28.8	27.5	29.1	29.3	29.6
Solids, Total (percent)			68.9	71.2	72.5	70.9	70.7	70.4
Sulfide, Dissolved			ND	ND	ND	ND	ND	ND
Sulfide, Total			ND	5.9	1.1	0.14	1.4	ND
TRPH			ND	16	ND	ND	ND	ND
METALS								
Arsenic	8.2	70	7.42	***8.46***	***9.14***	7.46	***8.34***	2.27
Cadmium	1.2	9.6	0.176	0.253	0.196	0.178	0.189	ND
Chromium	81	370	32.2	25.7	35.6	36	44.7	24.9
Copper	34	270	30.9	***36.4***	***37.7***	***34.3***	***37.7***	11.1
Lead	46.7	218	7.64	9.10	9.06	9.09	10.6	5.18
Mercury	0.15	0.71	0.0635	0.0706	0.0659	0.0853	0.0775	0.032
Nickel	20.9	51.6	***22.8***	***22.6***	***27.2***	***25.4***	***30.1***	11.9
Selenium			1.09	0.836	0.898	ND	0.867	ND
Silver	1	3.7	ND	ND	ND	0.146	0.155	ND
Zinc	150	410	133	106	113	109	***158***	106
Monobutyltin			ND	ND	ND	ND	ND	ND
Dibutyltin			ND	ND	ND	ND	ND	ND
Tributyltin			ND	ND	ND	ND	ND	ND
Tetrabutyltin			ND	ND	ND	ND	ND	ND
ORGANOCHLORINE PESTICIDES								
2,4'-DDD			ND	ND	ND	ND	ND	ND
2,4'-DDE			ND	ND	ND	ND	ND	ND
2,4'-DDT			ND	ND	ND	ND	ND	ND
4,4'-DDD	2	20	ND	ND	ND	ND	ND	ND
4,4'-DDE	2.2	27	ND	ND	ND	ND	ND	***6.2***
4,4'-DDT	1	7	ND	ND	ND	ND	ND	ND
Aldrin			ND	ND	ND	ND	ND	ND
Alpha-BHC			ND	ND	ND	ND	ND	ND
Beta-BHC			ND	ND	ND	ND	ND	ND
Delta-BHC			ND	ND	ND	ND	ND	ND
Gamma-BHC			ND	ND	ND	ND	ND	ND
Chlordane	0.5	6	ND	ND	ND	ND	ND	ND
Dieldrin	0.02	8	ND	ND	ND	ND	ND	ND
Endosulfan I			ND	ND	ND	ND	ND	ND
Endosulfan II			ND	ND	ND	ND	ND	ND
Endosulfan Sulfate			ND	ND	ND	ND	ND	ND
Endrin			ND	ND	ND	ND	ND	ND
Endrin Aldehyde			ND	ND	ND	ND	ND	ND
Endrin Ketone			ND	ND	ND	ND	ND	ND
Heptachlor			ND	ND	ND	ND	ND	ND
Heptachlor Epoxide			ND	ND	ND	ND	ND	ND
Methoxychlor			ND	ND	ND	ND	ND	ND
Toxaphene			ND	ND	ND	ND	ND	ND
PCBs	22.7	180	ND	ND	ND	ND	ND	ND
POLYCYCLIC AROMATIC HYDROCARBONS								
Naphthalene	160	2100	120	ND	1100	ND	150	ND
Acenaphthylene	44	640	ND	ND	ND	ND	ND	ND
Acenaphthene	16	500	***35***	ND	***190***	ND	***57***	ND
Fluorene	19	540	***40***	ND	***220***	ND	***84***	ND
Phenanthrene	240	1500	95	ND	***550***	ND	***330***	ND
Anthracene	85.3	1100	***95***	ND	60	ND	38	ND
Total LPAHs	552	3160	385	ND	***2120***	-	***659***	-
Fluoranthene	600	5100	40	ND	270	ND	150	ND
Pyrene	665	2600	25	ND	140	ND	110	ND
Benzo (a) Anthracene	261	1600	ND	ND	42	ND	25	ND
Chrysene	384	2800	ND	ND	39	ND	22	ND
Benzo (b) Fluoranthene			ND	ND	ND	ND	ND	ND
Benzo (k) Fluoranthene			ND	ND	ND	ND	ND	ND
Benzo (a) Pyrene	430	1600	ND	130	ND	ND	ND	ND
Indeno (1,2,3-c,d) Pyrene			ND	ND	ND	ND	ND	ND
Dibenz (a,h) Anthracene	63.4	260	ND	ND	ND	ND	ND	ND
Benzo (g,h,i) Perylene			ND	ND	ND	ND	ND	ND
Total HPAHs	1700	9600	65	130	491	-	307	-
TOTAL PAHs	4022	44792	450	130	2611	-	966	-
PHENOLS								
2,4,5-Trichlorophenol			ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol			ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol			ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol			88	ND	610	ND	370	ND
2,4-Dinitrophenol			ND	ND	ND	ND	ND	ND
2-Chlorophenol			ND	ND	ND	ND	ND	ND
2-Methylphenol			37	ND	250	ND	210	ND
2-Nitrophenol			ND	ND	ND	ND	ND	ND
3/4-Methylphenol			93	ND	460	ND	650	ND
4,6-Dinitro-2-Methylphenol			ND	ND	ND	ND	ND	ND
4-Chloro-3-Methylphenol			ND	ND	ND	ND	ND	ND
4-Nitrophenol			ND	ND	ND	ND	ND	ND
Pentachlorophenol			ND	ND	ND	ND	ND	ND
Phenol			ND	ND	ND	ND	ND	ND
Total Phenols			218	-	1320	-	1230	-
PHTHALATES								
Bis(2-Ethylhexyl) Phthalate			27	31	68	33	34	26
Butyl Benzyl Phthalate			21	54	76	24	26	20
Diethyl Phthalate			ND	ND	ND	ND	ND	ND
Dimethyl Phthalate			ND	ND	ND	ND	ND	ND
Di-n-Butyl Phthalate			ND	17	ND	16	24	29
Di-n-Octyl Phthalate			ND	ND	ND	ND	ND	ND
Total Phthalates			48	102	144	73	84	75

Except as noted, general chemistry and metals in milligrams per dry kilogram units, organic compounds (including organotins) in microgram per dry kilogram units.
ND - not detected above the reporting limit.
Bold Italic - ERL value exceeded
Bold Italic - ERM value exceeded

Appendix Table D-4. Summary Particle Size Analysis Results

Sample	General Description	Mean (mm)	GRAVEL	Coarse	Medium SAND	Fine	SILT	CLAY	FINES
Site 1	Silt	0.011	0.00	0.00	0.00	5.15	66.10	28.75	94.85
Site 2	Silt	0.016	0.00	0.00	0.00	18.55	58.18	23.27	81.45
Upper Stratum	Fine sand	0.083	0.00	0.00	7.12	44.99	37.28	10.61	47.89
Lower Stratum	Silt	0.024	0.00	0.00	4.52	24.99	50.84	19.65	70.48
Reference	Fine sand	0.084	0.00	0.00	0.00	58.21	34.39	7.40	41.79

Calscience Environmental Laboratories, Inc.

November 21, 2007

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-11-0072**
Client Reference: POLA B145 - 7151000604

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/1/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-11-0072

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the marine sediment samples.

Sample Condition on Receipt

Four marine sediment samples were received for this project on November 1, 2007. An additional three sediment samples were received November 6, 2007, and though analyzed collectively with these samples, data for these three samples are presented under separate cover. The samples were housed in glass jars. All samples were transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The temperature of the samples upon receipt at the laboratory was 3.8°C. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis. Testing was performed in accordance with pre-established testing methods and compound lists.

No sample receiving anomalies were noted.

Data Summary

As directed by the client, the samples were homogenized prior to analysis. Also, a laboratory duplicate was performed for sample 2-C, and is presented as sample 2-C Dup in the data set.

Holding times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the method blanks were found to be below reporting limits for all testing, with the exception of copper. For copper, a minor concentration was found in the method blank. However, concentrations of copper in the samples were significantly higher than the blank, and thus the data should be unaffected by the blank value. Regardless, the data has been flagged with a B qualifier.

Laboratory Control Samples

Laboratory Control Sample analyses were performed for each applicable method at the required frequencies. All parameters were within control limits for each method.

Matrix Spikes

Matrix spike analyses were performed at required frequencies. Matrix spiking was performed on sample 2-C. The MS/MSD recoveries and RPDs for all testing were within acceptable limits, with the following exceptions.

For the metals by EPA 6020, the matrix spike duplicate (MS/MSD) recoveries for chromium and copper fell above the established control limit for the metals. However, the corresponding LCS/LCSD recoveries and duplicate RPDs were in control, indicating a matrix interference effect, and thus the data is released with no further action. Also, the matrix spike recoveries for zinc do not apply since the concentration of zinc in the spiked sample far exceeded the spike concentration.

For the organochlorine pesticides by EPA 8081A, many of the compounds showed matrix spike recoveries outside of the established control limits for those compounds. Also, the duplicate RPDs for Methoxychlor and Endrin Aldehyde were above control limits. However, the associated LCS/LCSD recoveries and RPDs for these compounds were within control limits, indicating a matrix interference effect, and the data is released with no further qualification.

Finally, for the PCBs by EPA 8082, the MS/MSD recoveries for Aroclor-1260 fell above the established control limit. However, since the corresponding LCS/LCSD recoveries and RPDs for Aroclor-1260 were in control, a matrix interference effect is suspected, and the data is released with no further action.

Surrogates

Surrogate recoveries for all applicable tests and samples were within acceptable control limits.

Acronyms

MS/MSD:	Matrix Spike/Matrix Spike Duplicate
LCS/LCSD:	Laboratory Control Sample/Laboratory Control Sample Duplicate
RPD:	Relative Percent Difference

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	6.59	0.287	1		Nickel	18.5	0.143	1	
Cadmium	0.239	0.143	1		Selenium	ND	0.717	1	
Chromium	33.8	0.143	1		Silver	ND	0.143	1	
Copper	41.2	0.143	1	B	Zinc	139	1.43	1	
Lead	20.5	0.143	1						

2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	10.1	0.303	1		Nickel	29.7	0.152	1	
Cadmium	0.445	0.152	1		Selenium	ND	0.759	1	
Chromium	48.5	0.152	1		Silver	0.212	0.152	1	
Copper	69.9	0.152	1	B	Zinc	164	1.52	1	
Lead	38.0	0.152	1						

Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	7.46	0.282	1		Nickel	25.4	0.141	1	
Cadmium	0.178	0.141	1		Selenium	ND	0.705	1	
Chromium	36.0	0.141	1		Silver	0.146	0.141	1	
Copper	34.3	0.141	1	B	Zinc	109	1.41	1	
Lead	9.09	0.141	1						

Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	8.34	0.283	1		Nickel	30.1	0.141	1	
Cadmium	0.189	0.141	1		Selenium	0.867	0.707	1	
Chromium	44.7	0.141	1		Silver	0.155	0.141	1	
Copper	37.7	0.141	1	B	Zinc	158	1.41	1	
Lead	10.6	0.141	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**ICP/MS A**	**11/12/07**	**11/12/07**	**071112L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	11.2	0.303	1		Nickel	32.1	0.152	1	
Cadmium	0.493	0.152	1		Selenium	1.33	0.759	1	
Chromium	53.5	0.152	1		Silver	0.360	0.152	1	
Copper	79.8	0.152	1		Zinc	136	1.52	1	
Lead	40.7	0.152	1						

Method Blank	**096-10-002-982**	**N/A**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.200	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	0.108	0.100	1		Zinc	ND	1.00	1	
Lead	ND	0.100	1						

Method Blank	**096-10-002-985**	**N/A**	**Solid**	**ICP/MS A**	**11/12/07**	**11/12/07**	**071112L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.200	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	ND	0.100	1		Zinc	ND	1.00	1	
Lead	ND	0.100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	38	14	1		mg/kg

2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	15	1		mg/kg

Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	14	1		mg/kg

Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	14	1		mg/kg

2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**IR #1**	**11/09/07**	**11/09/07**	**071109L02**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	45	15	1		mg/kg

Method Blank	**099-07-015-1,246**	**N/A**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-015-1,250**	**N/A**	**Solid**	**IR #1**	**11/09/07**	**11/09/07**	**071109L02**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.164	0.0288	1		mg/kg

2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.449	0.0304	1		mg/kg

Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0853	0.0283	1		mg/kg

Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0775	0.0283	1		mg/kg

2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**Mercury**	**11/09/07**	**11/09/07**	**071109L02M**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.400	0.0304	1		mg/kg

Method Blank	**099-12-452-49**	**N/A**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-452-51**	**N/A**	**Solid**	**Mercury**	**11/09/07**	**11/09/07**	**071109L02M**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	14	1		Benzo (b) Fluoranthene	190	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	90	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	160	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	110	14	1	
2,4-Dimethylphenol	ND	14	1		Butyl Benzyl Phthalate	34	14	1	
2,4-Dinitrophenol	ND	720	1		Chrysene	110	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	37	14	1	
2-Methylnaphthalene	ND	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	ND	14	1		Dibenz (a,h) Anthracene	23	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	ND	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	720	1		Fluoranthene	38	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	ND	14	1	
4-Nitrophenol	ND	720	1		Indeno (1,2,3-c,d) Pyrene	100	14	1	
Acenaphthene	ND	14	1		Naphthalene	ND	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	720	1	
Anthracene	29	14	1		Phenanthrene	23	14	1	
Benzo (a) Anthracene	110	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	180	14	1		Pyrene	330	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	65	32-143		2-Fluorobiphenyl	94	14-146	
2-Fluorophenol	83	15-138		Nitrobenzene-d5	117	18-162	
p-Terphenyl-d14	90	34-148		Phenol-d6	86	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	15	1		Benzo (b) Fluoranthene	240	15	1	
2,4,5-Trichlorophenol	ND	15	1		Benzo (g,h,i) Perylene	85	15	1	
2,4,6-Trichlorophenol	ND	15	1		Benzo (k) Fluoranthene	170	15	1	
2,4-Dichlorophenol	ND	15	1		Bis(2-Ethylhexyl) Phthalate	100	15	1	
2,4-Dimethylphenol	ND	15	1		Butyl Benzyl Phthalate	26	15	1	
2,4-Dinitrophenol	ND	760	1		Chrysene	210	15	1	
2-Chlorophenol	15	15	1		Di-n-Butyl Phthalate	27	15	1	
2-Methylnaphthalene	ND	15	1		Di-n-Octyl Phthalate	ND	15	1	
2-Methylphenol	ND	15	1		Dibenz (a,h) Anthracene	31	15	1	
2-Nitrophenol	ND	15	1		Diethyl Phthalate	ND	15	1	
3/4-Methylphenol	ND	15	1		Dimethyl Phthalate	ND	15	1	
4,6-Dinitro-2-Methylphenol	ND	760	1		Fluoranthene	290	15	1	
4-Chloro-3-Methylphenol	ND	15	1		Fluorene	75	15	1	
4-Nitrophenol	ND	760	1		Indeno (1,2,3-c,d) Pyrene	110	15	1	
Acenaphthene	95	15	1		Naphthalene	95	15	1	
Acenaphthylene	57	15	1		Pentachlorophenol	ND	760	1	
Anthracene	76	15	1		Phenanthrene	130	15	1	
Benzo (a) Anthracene	130	15	1		Phenol	ND	15	1	
Benzo (a) Pyrene	200	15	1		Pyrene	480	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	59	32-143		2-Fluorobiphenyl	118	14-146	
2-Fluorophenol	90	15-138		Nitrobenzene-d5	135	18-162	
p-Terphenyl-d14	89	34-148		Phenol-d6	87	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	14	1		Benzo (b) Fluoranthene	ND	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	ND	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	ND	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	33	14	1	
2,4-Dimethylphenol	ND	14	1		Butyl Benzyl Phthalate	24	14	1	
2,4-Dinitrophenol	ND	710	1		Chrysene	ND	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	16	14	1	
2-Methylnaphthalene	ND	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	ND	14	1		Dibenz (a,h) Anthracene	ND	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	ND	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	710	1		Fluoranthene	ND	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	ND	14	1	
4-Nitrophenol	ND	710	1		Indeno (1,2,3-c,d) Pyrene	ND	14	1	
Acenaphthene	ND	14	1		Naphthalene	ND	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	710	1	
Anthracene	ND	14	1		Phenanthrene	ND	14	1	
Benzo (a) Anthracene	ND	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	ND	14	1		Pyrene	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	58	32-143		2-Fluorobiphenyl	80	14-146	
2-Fluorophenol	88	15-138		Nitrobenzene-d5	104	18-162	
p-Terphenyl-d14	88	34-148		Phenol-d6	95	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	17	14	1		Benzo (b) Fluoranthene	ND	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	ND	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	ND	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	34	14	1	
2,4-Dimethylphenol	370	14	1		Butyl Benzyl Phthalate	26	14	1	
2,4-Dinitrophenol	ND	710	1		Chrysene	22	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	24	14	1	
2-Methylnaphthalene	34	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	210	14	1		Dibenz (a,h) Anthracene	ND	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	650	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	710	1		Fluoranthene	150	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	84	14	1	
4-Nitrophenol	ND	710	1		Indeno (1,2,3-c,d) Pyrene	ND	14	1	
Acenaphthene	57	14	1		Naphthalene	150	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	710	1	
Anthracene	38	14	1		Phenanthrene	330	14	1	
Benzo (a) Anthracene	25	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	ND	14	1		Pyrene	110	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	47	32-143		2-Fluorobiphenyl	87	14-146	
2-Fluorophenol	82	15-138		Nitrobenzene-d5	97	18-162	
p-Terphenyl-d14	86	34-148		Phenol-d6	85	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**GC/MS N**	**11/12/07**	**11/12/07**	**071112L12**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	15	1		Benzo (b) Fluoranthene	470	15	1	
2,4,5-Trichlorophenol	ND	15	1		Benzo (g,h,i) Perylene	110	15	1	
2,4,6-Trichlorophenol	ND	15	1		Benzo (k) Fluoranthene	340	15	1	
2,4-Dichlorophenol	ND	15	1		Bis(2-Ethylhexyl) Phthalate	260	15	1	
2,4-Dimethylphenol	ND	15	1		Butyl Benzyl Phthalate	250	15	1	
2,4-Dinitrophenol	ND	760	1		Chrysene	310	15	1	
2-Chlorophenol	ND	15	1		Di-n-Butyl Phthalate	40	15	1	
2-Methylnaphthalene	ND	15	1		Di-n-Octyl Phthalate	ND	15	1	
2-Methylphenol	ND	15	1		Dibenz (a,h) Anthracene	42	15	1	
2-Nitrophenol	ND	15	1		Diethyl Phthalate	ND	15	1	
3/4-Methylphenol	ND	15	1		Dimethyl Phthalate	ND	15	1	
4,6-Dinitro-2-Methylphenol	ND	760	1		Fluoranthene	440	15	1	
4-Chloro-3-Methylphenol	ND	15	1		Fluorene	64	15	1	
4-Nitrophenol	ND	760	1		Indeno (1,2,3-c,d) Pyrene	150	15	1	
Acenaphthene	45	15	1		Naphthalene	23	15	1	
Acenaphthylene	ND	15	1		Pentachlorophenol	ND	760	1	
Anthracene	99	15	1		Phenanthrene	130	15	1	
Benzo (a) Anthracene	230	15	1		Phenol	ND	15	1	
Benzo (a) Pyrene	350	15	1		Pyrene	810	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	62	32-143		2-Fluorobiphenyl	75	14-146	
2-Fluorophenol	76	15-138		Nitrobenzene-d5	102	18-162	
p-Terphenyl-d14	80	34-148		Phenol-d6	81	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-70**	**N/A**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
2,4-Dinitrophenol	ND	500	1		Chrysene	ND	10	1	
2-Chlorophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Di-n-Octyl Phthalate	ND	10	1	
2-Methylphenol	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
3/4-Methylphenol	ND	10	1		Dimethyl Phthalate	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluoranthene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Fluorene	ND	10	1	
4-Nitrophenol	ND	500	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthene	ND	10	1		Naphthalene	ND	10	1	
Acenaphthylene	ND	10	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	10	1		Phenanthrene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Phenol	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Pyrene	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	51	32-143		2-Fluorobiphenyl	70	14-146	
2-Fluorophenol	78	15-138		Nitrobenzene-d5	98	18-162	
p-Terphenyl-d14	68	34-148		Phenol-d6	80	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-71**	**N/A**	**Solid**	**GC/MS N**	**11/12/07**	**11/12/07**	**071112L12**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
2,4-Dinitrophenol	ND	500	1		Chrysene	ND	10	1	
2-Chlorophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Di-n-Octyl Phthalate	ND	10	1	
2-Methylphenol	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
3/4-Methylphenol	ND	10	1		Dimethyl Phthalate	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluoranthene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Fluorene	ND	10	1	
4-Nitrophenol	ND	500	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthene	ND	10	1		Naphthalene	ND	10	1	
Acenaphthylene	ND	10	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	10	1		Phenanthrene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Phenol	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Pyrene	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	60	32-143		2-Fluorobiphenyl	75	14-146	
2-Fluorophenol	84	15-138		Nitrobenzene-d5	107	18-162	
p-Terphenyl-d14	84	34-148		Phenol-d6	89	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	29	1	
4,4'-DDE	5.4	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	83	50-130		Decachlorobiphenyl	71	50-130	

2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.5	1		4,4'-DDT	ND	1.5	1	
Alpha-BHC	ND	1.5	1		Endosulfan I	ND	1.5	1	
Beta-BHC	ND	1.5	1		Endosulfan II	ND	1.5	1	
Delta-BHC	ND	1.5	1		Endosulfan Sulfate	ND	1.5	1	
Gamma-BHC	ND	1.5	1		Endrin	ND	1.5	1	
Chlordane	ND	15	1		Endrin Aldehyde	ND	1.5	1	
Dieldrin	ND	1.5	1		Endrin Ketone	ND	1.5	1	
2,4'-DDD	ND	1.5	1		Heptachlor	ND	1.5	1	
2,4'-DDE	ND	1.5	1		Heptachlor Epoxide	ND	1.5	1	
2,4'-DDT	ND	1.5	1		Methoxychlor	ND	1.5	1	
4,4'-DDD	ND	1.5	1		Toxaphene	ND	30	1	
4,4'-DDE	11	1.5	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	82	50-130		Decachlorobiphenyl	74	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	ND	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	79	50-130		Decachlorobiphenyl	69	50-130	

Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	ND	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	85	50-130		Decachlorobiphenyl	78	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**GC 41**	**11/12/07**	**11/12/07**	**071112L13**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.5	1		4,4'-DDT	ND	1.5	1	
Alpha-BHC	ND	1.5	1		Endosulfan I	ND	1.5	1	
Beta-BHC	ND	1.5	1		Endosulfan II	ND	1.5	1	
Delta-BHC	ND	1.5	1		Endosulfan Sulfate	ND	1.5	1	
Gamma-BHC	ND	1.5	1		Endrin	ND	1.5	1	
Chlordane	ND	15	1		Endrin Aldehyde	ND	1.5	1	
Dieldrin	ND	1.5	1		Endrin Ketone	ND	1.5	1	
2,4'-DDD	ND	1.5	1		Heptachlor	ND	1.5	1	
2,4'-DDE	ND	1.5	1		Heptachlor Epoxide	ND	1.5	1	
2,4'-DDT	ND	1.5	1		Methoxychlor	ND	1.5	1	
4,4'-DDD	2.9	1.5	1		Toxaphene	ND	30	1	
4,4'-DDE	18	7.6	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	73	50-130		Decachlorobiphenyl	68	50-130	

Method Blank	**099-12-563-15**	**N/A**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		4,4'-DDT	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endosulfan I	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endosulfan II	ND	1.0	1	
Delta-BHC	ND	1.0	1		Endosulfan Sulfate	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Endrin	ND	1.0	1	
Chlordane	ND	10	1		Endrin Aldehyde	ND	1.0	1	
Dieldrin	ND	1.0	1		Endrin Ketone	ND	1.0	1	
2,4'-DDD	ND	1.0	1		Heptachlor	ND	1.0	1	
2,4'-DDE	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
2,4'-DDT	ND	1.0	1		Methoxychlor	ND	1.0	1	
4,4'-DDD	ND	1.0	1		Toxaphene	ND	20	1	
4,4'-DDE	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	100	50-130		Decachlorobiphenyl	94	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-563-16**	**N/A**	**Solid**	**GC 41**	**11/12/07**	**11/12/07**	**071112L13**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		4,4'-DDT	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endosulfan I	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endosulfan II	ND	1.0	1	
Delta-BHC	ND	1.0	1		Endosulfan Sulfate	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Endrin	ND	1.0	1	
Chlordane	ND	10	1		Endrin Aldehyde	ND	1.0	1	
Dieldrin	ND	1.0	1		Endrin Ketone	ND	1.0	1	
2,4'-DDD	ND	1.0	1		Heptachlor	ND	1.0	1	
2,4'-DDE	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
2,4'-DDT	ND	1.0	1		Methoxychlor	ND	1.0	1	
4,4'-DDD	ND	1.0	1		Toxaphene	ND	20	1	
4,4'-DDE	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	102	50-130		Decachlorobiphenyl	99	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 1 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1**	**10/30/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	24	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	83	50-130		Decachlorobiphenyl	101	50-130	

2-C	**07-11-0072-2**	**10/30/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	15	1		Aroclor-1248	ND	15	1	
Aroclor-1221	ND	15	1		Aroclor-1254	54	15	1	
Aroclor-1232	ND	15	1		Aroclor-1260	ND	15	1	
Aroclor-1242	ND	15	1		Aroclor-1262	ND	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	83	50-130		Decachlorobiphenyl	71	50-130	

Native B1	**07-11-0072-3**	**10/29/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	ND	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	80	50-130		Decachlorobiphenyl	64	50-130	

Native B2	**07-11-0072-4**	**10/30/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	ND	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	87	50-130		Decachlorobiphenyl	84	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 2 of 2

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**	**GC 16**	**11/12/07**	**11/13/07**	**071112L14**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	15	1		Aroclor-1248	ND	15	1	
Aroclor-1221	ND	15	1		Aroclor-1254	98	15	1	
Aroclor-1232	ND	15	1		Aroclor-1260	ND	15	1	
Aroclor-1242	ND	15	1		Aroclor-1262	ND	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	74	50-130		Decachlorobiphenyl	81	50-130	

Method Blank	**099-12-565-28**	**N/A**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	10	1		Aroclor-1248	ND	10	1	
Aroclor-1221	ND	10	1		Aroclor-1254	ND	10	1	
Aroclor-1232	ND	10	1		Aroclor-1260	ND	10	1	
Aroclor-1242	ND	10	1		Aroclor-1262	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	102	50-130		Decachlorobiphenyl	95	50-130	

Method Blank	**099-12-565-29**	**N/A**	**Solid**	**GC 16**	**11/12/07**	**11/12/07**	**071112L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	10	1		Aroclor-1248	ND	10	1	
Aroclor-1221	ND	10	1		Aroclor-1254	ND	10	1	
Aroclor-1232	ND	10	1		Aroclor-1260	ND	10	1	
Aroclor-1242	ND	10	1		Aroclor-1262	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	97	50-130		Decachlorobiphenyl	88	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/01/07
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
1-C	**07-11-0072-1**	**10/30/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	49	0.72	1		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic (9)	0.67	0.072	1		%	N/A	11/08/07	EPA 9060
Solids, Total	69.7	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	5.0	0.29	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

2-C	**07-11-0072-2**	**10/30/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	39	0.76	1		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.15	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic (9)	1.3	0.076	1		%	N/A	11/08/07	EPA 9060
Solids, Total	65.9	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	29	0.30	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

Native B1	**07-11-0072-3**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	0.14	0.14	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic (9)	0.78	0.071	1		%	N/A	11/08/07	EPA 9060
Solids, Total	70.9	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	39	0.28	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/01/07
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Native B2	**07-11-0072-4**	**10/30/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	1.4	0.14	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic (9)	0.83	0.071	1		%	N/A	11/08/07	EPA 9060
Solids, Total	70.7	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	43	0.28	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

2-C DUP	**07-11-0072-5**	**10/30/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	26	0.76	1		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.15	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic (9)	1.7	0.076	1		%	N/A	11/08/07	EPA 9060
Solids, Total	65.9	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	29	0.30	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

Method Blank	**N/A**	**Solid**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total	ND	0.10	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Sulfide, Dissolved	ND	0.10	0.2		mg/kg	11/05/07	11/05/07	EPA 376.2M
Carbon, Total Organic	ND	0.050	1		%	N/A	11/08/07	EPA 9060
Ammonia (as N)	ND	0.10	0.5		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 3050B
Method:	EPA 6020

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	105	109	80-120	3	0-20	
Cadmium	103	107	80-120	4	0-20	
Chromium	115	129	80-120	6	0-20	3
Copper	105	124	80-120	6	0-20	3
Lead	101	87	80-120	7	0-20	
Nickel	97	105	80-120	4	0-20	
Selenium	105	105	80-120	1	0-20	
Silver	102	105	80-120	2	0-20	
Zinc	4X	4X	80-120	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 3050B
Method:	EPA 6020

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0693-1	**Solid**	**ICP/MS A**	**11/12/07**	**11/12/07**	**071112S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	56	54	80-120	3	0-20	3
Cadmium	105	104	80-120	0	0-20	
Chromium	103	103	80-120	0	0-20	
Copper	4X	4X	80-120	4X	0-20	Q
Lead	103	106	80-120	3	0-20	
Nickel	115	161	80-120	14	0-20	3
Selenium	31	29	80-120	7	0-20	3
Silver	112	116	50-150	3	0-20	
Zinc	170	139	80-120	16	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	Extraction
Method:	EPA 418.1M

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	92	94	55-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	Extraction
Method:	EPA 418.1M

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0659-4	**Solid**	**IR #1**	**11/09/07**	**11/09/07**	**071109S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	85	85	55-135	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	90	90	76-136	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0667-1	**Solid**	**Mercury**	**11/09/07**	**11/09/07**	**071109S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	97	84-138	1	0-7	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 3545
Method:	EPA 8270C SIM

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**GC/MS N**	**11/08/07**	**11/13/07**	**071108S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	73	82	40-160	11	0-20	
2,4-Dichlorophenol	75	83	40-160	10	0-20	
2-Methylphenol	85	93	40-160	9	0-20	
2-Nitrophenol	90	102	40-160	13	0-20	
4-Chloro-3-Methylphenol	95	104	40-160	8	0-20	
Acenaphthene	81	92	40-106	11	0-20	
Benzo (a) Pyrene	74	89	17-163	15	0-20	
Chrysene	38	45	17-168	12	0-20	
Di-n-Butyl Phthalate	94	101	40-160	8	0-20	
Dimethyl Phthalate	83	92	40-160	10	0-20	
Fluoranthene	71	81	26-137	11	0-20	
Fluorene	93	102	59-121	9	0-20	
N-Nitrosodimethylamine	110	115	40-160	5	0-20	
Naphthalene	74	91	21-133	19	0-20	
Phenanthrene	81	87	54-120	6	0-20	
Phenol	89	97	40-160	8	0-20	
Pyrene	109	131	6-156	14	0-46	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 3545
Method:	EPA 8081A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**GC 41**	**11/08/07**	**11/10/07**	**071108S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	43	44	50-135	3	0-25	3
Alpha-BHC	44	44	50-135	0	0-25	3
Beta-BHC	45	48	50-135	8	0-25	3
Delta-BHC	60	69	50-135	13	0-25	
Gamma-BHC	38	39	50-135	2	0-25	3
Dieldrin	67	66	50-135	2	0-25	
4,4'-DDD	104	105	50-135	1	0-25	
4,4'-DDE	132	88	50-135	17	0-25	
4,4'-DDT	10	10	50-135	5	0-25	3
Endosulfan I	39	39	50-135	2	0-25	3
Endosulfan II	46	47	50-135	3	0-25	3
Endosulfan Sulfate	41	45	50-135	9	0-25	3
Endrin	51	48	50-135	6	0-25	3
Endrin Aldehyde	46	74	50-135	47	0-25	3,4
Endrin Ketone	31	28	50-135	13	0-25	3
Heptachlor	33	27	50-135	20	0-25	3
Heptachlor Epoxide	65	60	50-135	9	0-25	
Methoxychlor	21	16	50-135	28	0-25	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/01/07
Work Order No:	07-11-0072
Preparation:	EPA 3545
Method:	EPA 8082

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	109	102	50-135	7	0-25	
Aroclor-1260	170	178	50-135	4	0-25	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 9060	2-C	11/08/07	N/A	114	107	75-125	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Moisture	ASTM D-2216	2-C	11/06/07	34.1	34.7	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Sulfide, Total	EPA 376.2M	2-C	11/05/07	26	26	0	0-25	
Sulfide, Dissolved	EPA 376.2M	2-C	11/05/07	ND	ND	NA	0-25	
Ammonia (as N)	SM 4500-NH3 B/E (M)	2-C DUP	11/09/07	19	19	0	0-25	
Solids, Total	SM 2540 B	2-C	11/06/07	65.9	65.3	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-982	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	100	80-120	1	0-20	
Cadmium	103	102	80-120	2	0-20	
Chromium	104	103	80-120	1	0-20	
Copper	98	96	80-120	2	0-20	
Lead	101	99	80-120	1	0-20	
Nickel	101	101	80-120	0	0-20	
Selenium	96	97	80-120	0	0-20	
Silver	97	95	80-120	2	0-20	
Zinc	101	99	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-985	**Solid**	**ICP/MS A**	**11/12/07**	**11/12/07**	**071112L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	106	102	80-120	4	0-20	
Cadmium	101	101	80-120	0	0-20	
Chromium	103	106	80-120	3	0-20	
Copper	101	103	80-120	2	0-20	
Lead	102	102	80-120	0	0-20	
Nickel	105	108	80-120	2	0-20	
Selenium	96	95	80-120	1	0-20	
Silver	95	94	80-120	1	0-20	
Zinc	100	101	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-015-1,246	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	82	85	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-015-1,250	**Solid**	**IR #1**	**11/09/07**	**11/09/07**	**071109L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	71	73	70-130	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-49	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	100	82-124	1	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-51	**Solid**	**Mercury**	**11/09/07**	**11/09/07**	**071109L02M**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	96	96	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072
Preparation: EPA 3545
Method: EPA 8270C SIM

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-70	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	78	78	40-160	1	0-20	
2,4-Dichlorophenol	80	81	40-160	0	0-20	
2-Methylphenol	98	99	40-160	2	0-20	
2-Nitrophenol	93	93	40-160	1	0-20	
4-Chloro-3-Methylphenol	106	108	40-160	2	0-20	
Acenaphthene	91	91	48-108	0	0-11	
Benzo (a) Pyrene	77	77	17-163	1	0-20	
Chrysene	35	35	17-168	0	0-20	
Di-n-Butyl Phthalate	98	97	40-160	1	0-20	
Dimethyl Phthalate	96	95	40-160	1	0-20	
Fluoranthene	80	80	26-137	0	0-20	
Fluorene	87	88	59-121	1	0-20	
N-Nitrosodimethylamine	117	119	40-160	2	0-20	
Naphthalene	93	92	21-133	0	0-20	
Phenanthrene	86	86	54-120	1	0-20	
Phenol	100	103	40-160	2	0-20	
Pyrene	95	98	28-106	3	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-11-0072
Preparation:	EPA 3545
Method:	EPA 8270C SIM

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-71	**Solid**	**GC/MS N**	**11/12/07**	**11/13/07**	**071112L12**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	77	77	40-160	1	0-20	
2,4-Dichlorophenol	78	79	40-160	0	0-20	
2-Methylphenol	95	95	40-160	0	0-20	
2-Nitrophenol	93	93	40-160	0	0-20	
4-Chloro-3-Methylphenol	103	103	40-160	0	0-20	
Acenaphthene	88	89	48-108	1	0-11	
Benzo (a) Pyrene	75	76	17-163	1	0-20	
Chrysene	34	34	17-168	1	0-20	
Di-n-Butyl Phthalate	95	95	40-160	0	0-20	
Dimethyl Phthalate	93	92	40-160	1	0-20	
Fluoranthene	73	76	26-137	3	0-20	
Fluorene	84	84	59-121	0	0-20	
N-Nitrosodimethylamine	109	113	40-160	3	0-20	
Naphthalene	90	90	21-133	1	0-20	
Phenanthrene	83	84	54-120	1	0-20	
Phenol	97	98	40-160	1	0-20	
Pyrene	101	99	28-106	2	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	N/A
Work Order No:	07-11-0072
Preparation:	EPA 3545
Method:	EPA 8081A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-563-16	**Solid**	**GC 41**	**11/12/07**	**11/12/07**	**071112L13**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	88	80	50-135	9	0-25	
Alpha-BHC	89	82	50-135	8	0-25	
Beta-BHC	90	76	50-135	17	0-25	
Delta-BHC	88	78	50-135	12	0-25	
Gamma-BHC	89	82	50-135	8	0-25	
Dieldrin	85	78	50-135	8	0-25	
4,4'-DDD	90	84	50-135	7	0-25	
4,4'-DDE	83	76	50-135	9	0-25	
4,4'-DDT	87	81	50-135	8	0-25	
Endosulfan I	88	82	50-135	7	0-25	
Endosulfan II	88	82	50-135	8	0-25	
Endosulfan Sulfate	87	80	50-135	8	0-25	
Endrin	77	68	50-135	12	0-25	
Endrin Aldehyde	101	94	50-135	6	0-25	
Endrin Ketone	92	87	50-135	6	0-25	
Heptachlor	88	81	50-135	8	0-25	
Heptachlor Epoxide	86	80	50-135	8	0-25	
Methoxychlor	83	77	50-135	7	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072
Preparation: EPA 3545
Method: EPA 8081A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-563-15	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	88	79	50-135	10	0-25	
Alpha-BHC	88	80	50-135	10	0-25	
Beta-BHC	89	84	50-135	6	0-25	
Delta-BHC	85	79	50-135	8	0-25	
Gamma-BHC	90	81	50-135	10	0-25	
Dieldrin	87	78	50-135	10	0-25	
4,4'-DDD	88	81	50-135	9	0-25	
4,4'-DDE	89	86	50-135	4	0-25	
4,4'-DDT	97	89	50-135	9	0-25	
Endosulfan I	87	76	50-135	15	0-25	
Endosulfan II	87	79	50-135	9	0-25	
Endosulfan Sulfate	89	81	50-135	10	0-25	
Endrin	87	78	50-135	10	0-25	
Endrin Aldehyde	96	88	50-135	8	0-25	
Endrin Ketone	90	82	50-135	8	0-25	
Heptachlor	90	81	50-135	10	0-25	
Heptachlor Epoxide	88	80	50-135	10	0-25	
Methoxychlor	92	86	50-135	7	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-565-29	**Solid**	**GC 16**	**11/12/07**	**11/12/07**	**071112L14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	80	83	50-135	3	0-25	
Aroclor-1260	92	109	50-135	17	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-565-28	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	85	73	50-135	15	0-25	
Aroclor-1260	107	99	50-135	8	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0072

Project: POLA B145 - 7151000604

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	EPA 9060	099-06-013-269	11/08/07	N/A	6000	6040	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-0072

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 11/1/07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Court

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858.300.4321 E-MAIL: nicholas.buhbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
please retain until all samples are received
please deliver as PDF & EDD

(*) Other = TOC, total+soluble sulfides, ammonia, total solids

CLIENT PROJECT NAME / NUMBER: POLA B145 - 7151000604

P.O. NO.:

PROJECT CONTACT: Nick Buhbe

LAB USE ONLY: 11-0072

SAMPLER(S): (PRINT) N. Buhbe

COELT LOG CODE

COOLER RECEIPT TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~TPH(g)~~ TRPH	TPH (d) or (C7-C36) or (C7-C44)	~~TPH~~ Grain Size	BTEX / MTBE (8260B)	VOCs (8260B)	VOCs+Oxys (8260B)	Encore Prep (5035)	SVOCs (8270C) PAH, phthalates, phenols	Pesticides (8181A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI)[7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g)[TO-3]+	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	Other (*)
1	1-C		10/30/07	—	SED	2+1	X		X					X	X	X						X	X	X
2	2-C		10/30/07	—	|	4+1	|		X					|	|	|						|	|	|
3	Native B1		10/29/07	—	|	2	|							|	|	|						|	|	|
4	Native B2		10/30/07	—	|	2	|							|	|	|						|	|	|

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	11-1-7	1345
[signature]	[signature] CEL	11-1-07	1655

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and Yellow copies respectively.

05/01/07 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: PTS Labs

CHAIN OF CUSTODY RECORD

DATE: 11/02/07
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.
ADDRESS: 7440 Lincoln Way
CITY: Garden Grove, CA 92841-1427
TEL: (714) 895-5494
E-MAIL: bstearns@calscience.com

CLIENT PROJECT NAME / NUMBER: 07-11-0072
PROJECT CONTACT: Bob Stearns
SAMPLER(S): (PRINT)

P.O. NO.: 07-11-0072
QUOTE NO.:
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Grain Size
	1-C	10/30/07	-	S	1	x
	2-C	10/30/07	-	S	1	x

Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
(CALSCIENCE)		11/02/07	
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 0 0 7 2

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Amec

DATE: 11-1-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

PTS Laboratories, Inc.

Calscience
PTS File No: 37948

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: N/A
PROJECT NO: 07-11-0072

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
1-C	N/A	Silt	0.011	0.00	0.00	0.00	5.15	66.10	28.75	94.85
2-C	N/A	Silt	0.016	0.00	0.00	0.00	18.55	58.18	23.27	81.45

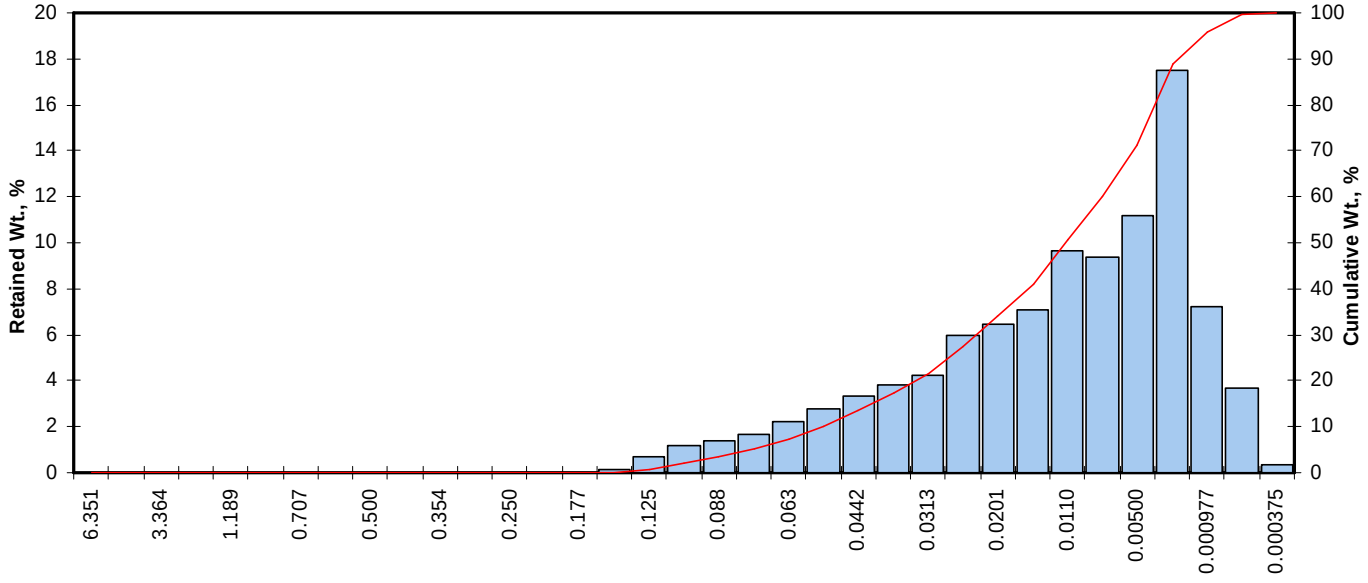
7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX:(714) 894-7501

Calscience Environmental Laboratories, Inc.

C. **Particle Size A** **M**

PTS F 48
Samp -C
Depth /A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.00	0.00	0.00
0.0059	0.149	2.75	100	0.13	0.13	0.13
0.0049	0.125	3.00	120	0.70	0.70	0.83
0.0041	0.105	3.25	140	1.21	1.21	2.04
0.0035	0.088	3.50	170	1.42	1.42	3.46
0.0029	0.074	3.75	200	1.69	1.69	5.15
0.0025	0.063	4.00	230	2.19	2.19	7.34
0.0021	0.053	4.25	270	2.78	2.78	10.12
0.00174	0.0442	4.50	325	3.34	3.34	13.46
0.00146	0.0372	4.75	400	3.80	3.80	17.25
0.00123	0.0313	5.00	450	4.26	4.26	21.51
0.000986	0.0250	5.32	500	6.01	6.01	27.52
0.000790	0.0201	5.64	635	6.43	6.43	33.94
0.000615	0.0156	6.00		7.12	7.12	41.06
0.000435	0.0110	6.50		9.63	9.62	50.69
0.000308	0.00781	7.00		9.37	9.37	60.05
0.000197	0.00500	7.65		11.20	11.19	71.25
0.000077	0.00195	9.00		17.50	17.49	88.74
0.000038	0.000977	10.00		7.25	7.25	95.98

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	3.73	0.0030	0.075
10	4.24	0.0021	0.053
16	4.67	0.0015	0.039
25	5.19	0.0011	0.027
40	5.95	0.0006	0.016
50	6.46	0.0004	0.011
60	7.00	0.0003	0.008
75	7.94	0.0002	0.004
84	8.63	0.0001	0.003
90	9.17	0.0001	0.002
95	9.86	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	6.46	6.46	6.46
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.99	6.65	6.59
Mean, in.	0.0006	0.0004	0.0004
Mean, mm	0.016	0.010	0.010
Sorting	2.594	1.983	1.921
Skewness	0.935	0.094	0.101
Kurtosis	0.228	0.547	0.915
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	5.15

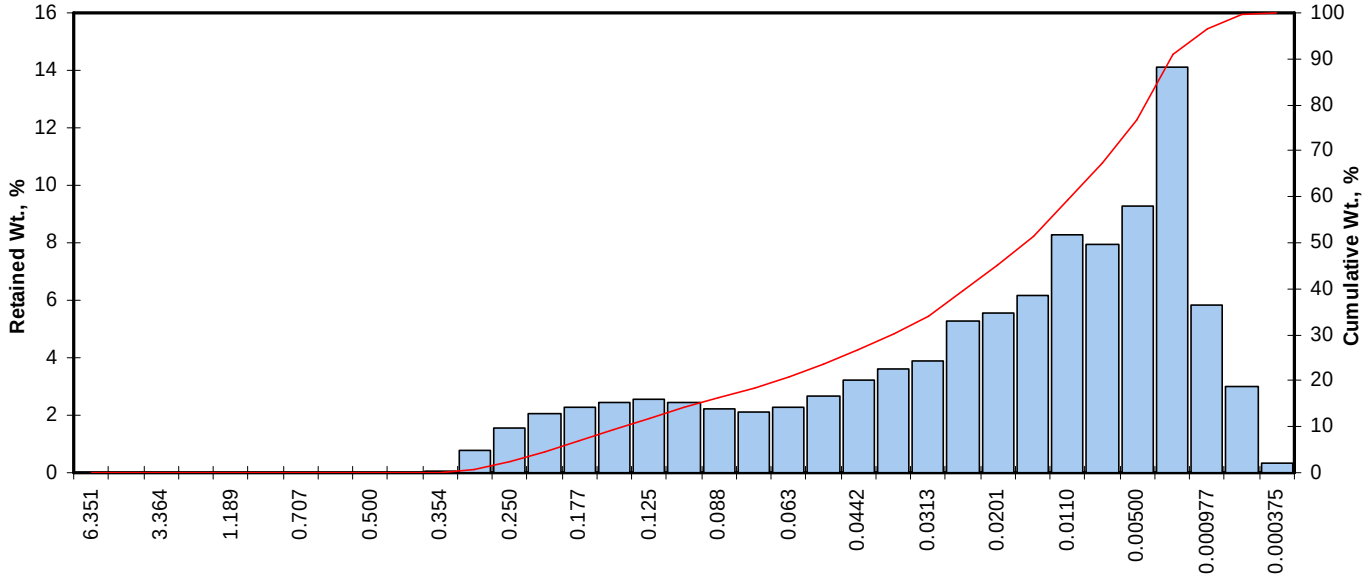
Calscience Environmental Laboratories, Inc.

C.

Particle Size A **M**

PTS F 48
Samp -C
Depth /A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.07	0.07	0.08
0.0117	0.297	1.75	50	0.79	0.79	0.87
0.0098	0.250	2.00	60	1.58	1.58	2.45
0.0083	0.210	2.25	70	2.07	2.07	4.52
0.0070	0.177	2.50	80	2.27	2.27	6.78
0.0059	0.149	2.75	100	2.46	2.46	9.24
0.0049	0.125	3.00	120	2.53	2.53	11.77
0.0041	0.105	3.25	140	2.42	2.42	14.19
0.0035	0.088	3.50	170	2.23	2.23	16.42
0.0029	0.074	3.75	200	2.13	2.13	18.55
0.0025	0.063	4.00	230	2.28	2.28	20.83
0.0021	0.053	4.25	270	2.68	2.68	23.51
0.00174	0.0442	4.50	325	3.22	3.22	26.73
0.00146	0.0372	4.75	400	3.60	3.60	30.33
0.00123	0.0313	5.00	450	3.87	3.87	34.20
0.000986	0.0250	5.32	500	5.27	5.27	39.47
0.000790	0.0201	5.64	635	5.58	5.58	45.05
0.000615	0.0156	6.00		6.17	6.17	51.22
0.000435	0.0110	6.50		8.30	8.30	59.52
0.000308	0.00781	7.00		7.96	7.96	67.48
0.000197	0.00500	7.65		9.26	9.26	76.73
0.000077	0.00195	9.00		14.10	14.10	90.83
0.000038	0.000977	10.00		5.84	5.84	96.67

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.30	0.0080	0.203
10	2.82	0.0056	0.141
16	3.45	0.0036	0.091
25	4.37	0.0019	0.049
40	5.35	0.0010	0.025
50	5.93	0.0006	0.016
60	6.53	0.0004	0.011
75	7.52	0.0002	0.005
84	8.34	0.0001	0.003
90	8.92	0.0001	0.002
95	9.71	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.93	5.93	5.93
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	5.21	5.90	5.91
Mean, in.	0.0011	0.0007	0.0007
Mean, mm	0.027	0.017	0.017
Sorting	2.988	2.445	2.346
Skewness	0.989	-0.013	0.004
Kurtosis	0.155	0.515	0.962
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	18.55

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: PTS Labs

CHAIN OF CUSTODY RECORD

DATE: 11/07/07
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.
ADDRESS: 7440 Lincoln Way
CITY: Garden Grove, CA 92841-1427
TEL: (714) 895-5494
E-MAIL: bstearns@calscience.com

CLIENT PROJECT NAME / NUMBER: 07-11-0072
PROJECT CONTACT: Bob Stearns
SAMPLER(S): (PRINT)

P.O. NO.: 07-11-0072
QUOTE NO.:
LAB USE ONLY: 37948

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Grain Size
	1-C	10/30/07	-	S	1	x
	2-C	10/30/07	-	S	1	x

Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
(CALSCIENCE)	PTS LABS	11/08/07 ~~11/07/07~~	12:40
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 10, 2007

Additional requested analyses are reported as a stand-alone report.

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-11-0072**
Client Reference: POLA B145 - 7151000604

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/1/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
1-C	**07-11-0072-1-A**	**10/30/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	16	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	14	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	117	50-130	

2-C	**07-11-0072-2-A**	**10/30/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	17	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	20	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	129	50-130	

Native B1	**07-11-0072-3-A**	**10/29/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	118	50-130	

Native B2	**07-11-0072-4-A**	**10/30/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	125	50-130	

2-C DUP	**07-11-0072-5-A**	**10/30/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	15	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	18	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	109	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/01/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-016-501**	**N/A**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	122	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/01/07
Work Order No: 07-11-0072
Preparation: EPA 3545
Method: Organotins by Krone et al.

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
2-C	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128S14**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	70	70	50-130	0	0-20	
Tributyltin	87	90	50-130	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0072
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-501	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	82	86	50-130	5	0-20	
Tributyltin	77	78	50-130	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-0072

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 11/1/07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Court

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858.300.4321 E-MAIL: nicholas.buhbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
please retain until all samples are received
please deliver as PDF & EDD

(*) Other = TOC, total+soluble sulfides, ammonia, total solids

CLIENT PROJECT NAME / NUMBER: POLA B145 - 7151000604

P.O. NO.:

PROJECT CONTACT: Nick Buhbe

LAB USE ONLY: 11-0072

SAMPLER(S): (PRINT) N. Buhbe

COELT LOG CODE ☐☐☐☐

COOLER RECEIPT TEMP= °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~TPH(g)~~ TRPH	TPH (d) or (C7-C36) or (C7-C44)	~~TPH~~ Grain Size	BTEX / MTBE (8260B)	VOCs (8260B)	VOCs+Oxys (8260B)	Encore Prep (5035)	SVOCs (8270C) PAH, phthalates, phenols	Pesticides (8181A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI)[7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g)[TO-3]+	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	Other (*)
1	1-C		10/30/07	—	SED	2+1	X		X					X	X	X						X	X	X
2	2-C		10/30/07	—	|	4+1	|		X					|	|	|						|	|	|
3	Native B1		10/29/07	—	|	2	|							|	|	|						|	|	|
4	Native B2		10/30/07	—	|	2	|							|	|	|						|	|	|

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	11-1-7	1345
[signature]	[signature] CEL	11-1-07	1655

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and Yellow copies respectively.

05/01/07 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: PTS Labs

CHAIN OF CUSTODY RECORD

DATE: 11/02/07
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.
ADDRESS: 7440 Lincoln Way
CITY: Garden Grove, CA 92841-1427
TEL: (714) 895-5494
E-MAIL: bstearns@calscience.com

CLIENT PROJECT NAME / NUMBER: 07-11-0072
PROJECT CONTACT: Bob Stearns
SAMPLER(S): (PRINT)

P.O. NO.: 07-11-0072
QUOTE NO.:
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Grain Size
	1-C	10/30/07	-	S	1	x
	2-C	10/30/07	-	S	1	x

Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
(CALSCIENCE)		11/02/07	
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 11 - 0072

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Amec

DATE: 11-1-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Bob Stearns

From: Buhbe, Nicholas P [nicholas.buhbe@amec.com]
Sent: Tuesday, November 27, 2007 4:02 PM
To: Bob Stearns
Subject: POLA Berth 145 Samples

Bob-
Upon review of the data I have a request and a question -

The request is for organotin analyses for all 7 samples analyzed for work orders 07-11-0072 and 07-11-0373 (1-C, 2-C, UC, LC, Native B1, Native B2, and Ref). Normal turnaround time will be fine. Please update COCs as appropriate, and let me know if you need additional sample volume.

Question relates to 07-11-0072. You ran a duplicate on sample 2-C. Total solids data was quite disparate and likely contributed to some variability in the results due to the dry weight conversion. Any obvious reason (e.g., sampled from different containers?)? Is one of the samples more representative?

Thanks on both accounts.
Nick

Nicholas Buhbe, MS
Senior Marine Scientist
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Calscience Environmental Laboratories, Inc.

November 21, 2007

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-11-0373**
Client Reference: POLA B145 - 7151000604

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/6/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-11-0373

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the marine sediment samples.

Sample Condition on Receipt

Three marine sediment samples were received for this project on November 6, 2007. An additional four sediment samples were received November 1, 2007, and though analyzed collectively with these samples, data for these four samples are presented under separate cover. The samples were housed in glass jars. All samples were transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The temperature of the samples upon receipt at the laboratory was 3.8°C. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis. Testing was performed in accordance with pre-established testing methods and compound lists.

The following anamoly was noted upon sample receipt: the sampling dates listed in the CoC did not match those listed on the sample containers. The client was notified, and we were instructed to use the dates listed on the CoC. No sample receiving anomalies were noted.

Testing for Grain Size was subcontracted to PTS Laboratories in Santa Fe Springs, CA. This data follows the Calscience data set herein.

Data Summary

As directed by the client, the samples were homogenized prior to analysis. Also, a laboratory duplicate was performed for sample 2-C, and is presented as sample 2-C Dup under Calscience Work Order 07-11-0072.

Holding times

All holding time requirements were met with the exception of total and dissolved sulfides for sample REF.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the method blanks were found to be below reporting limits for all testing, with the exception of copper. For copper, a minor concentration was found in the method blank. However, concentrations of copper in the samples were significantly higher than the blank, and thus the data should be unaffected by the blank value. Regardless, the data has been flagged with a B qualifier.

Laboratory Control Samples

Laboratory Control Sample analyses were performed for each applicable method at the required frequencies. All parameters were within control limits for each method.

Matrix Spikes

Matrix spike analyses were performed at required frequencies. Matrix spiking was performed on sample 2-C (Calscience Work Order 07-11-0072). The MS/MSD recoveries and RPDs for all testing were within acceptable limits, with the following exceptions.

For the metals by EPA 6020, the matrix spike duplicate (MS/MSD) recoveries for chromium and copper fell above the established control limit for the metals. However, the corresponding LCS/LCSD recoveries and duplicate RPDs were in control, indicating a matrix interference effect, and thus the data is released with no further action. Also, the matrix spike recoveries for zinc do not apply since the concentration of zinc in the spiked sample far exceeded the spike concentration.

For the organochlorine pesticides by EPA 8081A, many of the compounds showed matrix spike recoveries outside of the established control limits for those compounds. Also, the duplicate RPDs for Methoxychlor and Endrin Aldehyde were above control limits. However, the associated LCS/LCSD recoveries and RPDs for these compounds were within control limits, indicating a matrix interference effect, and the data is released with no further qualification.

Finally, for the PCBs by EPA 8082, the MS/MSD recoveries for Aroclor-1260 fell above the established control limit. However, since the corresponding LCS/LCSD recoveries and RPDs for Aroclor-1260 were in control, a matrix interference effect is suspected, and the data is released with no further action.

Surrogates

Surrogate recoveries for all applicable tests and samples were within acceptable control limits.

Acronyms

MS/MSD:	Matrix Spike/Matrix Spike Duplicate
LCS/LCSD:	Laboratory Control Sample/Laboratory Control Sample Duplicate
RPD:	Relative Percent Difference

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	7.42	0.290	1		Nickel	22.8	0.145	1	
Cadmium	0.176	0.145	1		Selenium	1.09	0.726	1	
Chromium	32.2	0.145	1		Silver	ND	0.145	1	
Copper	30.9	0.145	1	B	Zinc	133	1.45	1	
Lead	7.64	0.145	1						

U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	4.18	0.266	1		Nickel	12.7	0.133	1	
Cadmium	0.140	0.133	1		Selenium	ND	0.664	1	
Chromium	18.0	0.133	1		Silver	ND	0.133	1	
Copper	18.9	0.133	1	B	Zinc	136	1.33	1	
Lead	10.2	0.133	1						

REF	**07-11-0373-3**	**10/28/07**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	2.27	0.284	1		Nickel	11.9	0.142	1	
Cadmium	ND	0.142	1		Selenium	ND	0.710	1	
Chromium	24.9	0.142	1		Silver	ND	0.142	1	
Copper	11.1	0.142	1	B	Zinc	106	1.42	1	
Lead	5.18	0.142	1						

Method Blank	**096-10-002-982**	**N/A**	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.200	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	0.108	0.100	1		Zinc	ND	1.00	1	
Lead	ND	0.100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	15	1		mg/kg

U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	110	13	1		mg/kg

REF	**07-11-0373-3**	**10/28/07**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	14	1		mg/kg

Method Blank	**099-07-015-1,251**	**N/A**	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0635	0.0291	1		mg/kg

U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0421	0.0266	1		mg/kg

REF	**07-11-0373-3**	**10/28/07**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0320	0.0285	1		mg/kg

Method Blank	**099-12-452-49**	**N/A**	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	18	15	1		Benzo (b) Fluoranthene	ND	15	1	
2,4,5-Trichlorophenol	ND	15	1		Benzo (g,h,i) Perylene	ND	15	1	
2,4,6-Trichlorophenol	ND	15	1		Benzo (k) Fluoranthene	ND	15	1	
2,4-Dichlorophenol	ND	15	1		Bis(2-Ethylhexyl) Phthalate	27	15	1	
2,4-Dimethylphenol	88	15	1		Butyl Benzyl Phthalate	21	15	1	
2,4-Dinitrophenol	ND	730	1		Chrysene	ND	15	1	
2-Chlorophenol	ND	15	1		Di-n-Butyl Phthalate	ND	15	1	
2-Methylnaphthalene	33	15	1		Di-n-Octyl Phthalate	ND	15	1	
2-Methylphenol	37	15	1		Dibenz (a,h) Anthracene	ND	15	1	
2-Nitrophenol	ND	15	1		Diethyl Phthalate	ND	15	1	
3/4-Methylphenol	93	15	1		Dimethyl Phthalate	ND	15	1	
4,6-Dinitro-2-Methylphenol	ND	730	1		Fluoranthene	40	15	1	
4-Chloro-3-Methylphenol	ND	15	1		Fluorene	40	15	1	
4-Nitrophenol	ND	730	1		Indeno (1,2,3-c,d) Pyrene	ND	15	1	
Acenaphthene	35	15	1		Naphthalene	120	15	1	
Acenaphthylene	ND	15	1		Pentachlorophenol	ND	730	1	
Anthracene	95	15	1		Phenanthrene	95	15	1	
Benzo (a) Anthracene	ND	15	1		Phenol	ND	15	1	
Benzo (a) Pyrene	ND	15	1		Pyrene	25	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	50	32-143		2-Fluorobiphenyl	71	14-146	
2-Fluorophenol	74	15-138		Nitrobenzene-d5	97	18-162	
p-Terphenyl-d14	65	34-148		Phenol-d6	77	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	81	13	1		Benzo (b) Fluoranthene	44	13	1	
2,4,5-Trichlorophenol	ND	13	1		Benzo (g,h,i) Perylene	32	13	1	
2,4,6-Trichlorophenol	ND	13	1		Benzo (k) Fluoranthene	ND	13	1	
2,4-Dichlorophenol	ND	13	1		Bis(2-Ethylhexyl) Phthalate	96	13	1	
2,4-Dimethylphenol	ND	13	1		Butyl Benzyl Phthalate	38	13	1	
2,4-Dinitrophenol	ND	660	1		Chrysene	120	13	1	
2-Chlorophenol	ND	13	1		Di-n-Butyl Phthalate	34	13	1	
2-Methylnaphthalene	ND	13	1		Di-n-Octyl Phthalate	ND	13	1	
2-Methylphenol	ND	13	1		Dibenz (a,h) Anthracene	ND	13	1	
2-Nitrophenol	ND	13	1		Diethyl Phthalate	ND	13	1	
3/4-Methylphenol	ND	13	1		Dimethyl Phthalate	ND	13	1	
4,6-Dinitro-2-Methylphenol	ND	660	1		Fluoranthene	54	13	1	
4-Chloro-3-Methylphenol	ND	13	1		Fluorene	38	13	1	
4-Nitrophenol	ND	660	1		Indeno (1,2,3-c,d) Pyrene	15	13	1	
Acenaphthene	20	13	1		Naphthalene	ND	13	1	
Acenaphthylene	ND	13	1		Pentachlorophenol	ND	660	1	
Anthracene	32	13	1		Phenanthrene	110	13	1	
Benzo (a) Anthracene	67	13	1		Phenol	ND	13	1	
Benzo (a) Pyrene	61	13	1		Pyrene	310	13	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	64	32-143		2-Fluorobiphenyl	93	14-146	
2-Fluorophenol	86	15-138		Nitrobenzene-d5	115	18-162	
p-Terphenyl-d14	94	34-148		Phenol-d6	87	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
REF	**07-11-0373-3**	**10/28/07**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	14	1		Benzo (b) Fluoranthene	ND	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	ND	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	ND	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	26	14	1	
2,4-Dimethylphenol	ND	14	1		Butyl Benzyl Phthalate	20	14	1	
2,4-Dinitrophenol	ND	710	1		Chrysene	ND	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	29	14	1	
2-Methylnaphthalene	ND	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	ND	14	1		Dibenz (a,h) Anthracene	ND	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	ND	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	710	1		Fluoranthene	ND	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	ND	14	1	
4-Nitrophenol	ND	710	1		Indeno (1,2,3-c,d) Pyrene	ND	14	1	
Acenaphthene	ND	14	1		Naphthalene	ND	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	710	1	
Anthracene	ND	14	1		Phenanthrene	ND	14	1	
Benzo (a) Anthracene	ND	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	ND	14	1		Pyrene	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	62	32-143		2-Fluorobiphenyl	101	14-146	
2-Fluorophenol	94	15-138		Nitrobenzene-d5	125	18-162	
p-Terphenyl-d14	93	34-148		Phenol-d6	95	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-70**	**N/A**	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
2,4-Dinitrophenol	ND	500	1		Chrysene	ND	10	1	
2-Chlorophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Di-n-Octyl Phthalate	ND	10	1	
2-Methylphenol	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
3/4-Methylphenol	ND	10	1		Dimethyl Phthalate	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluoranthene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Fluorene	ND	10	1	
4-Nitrophenol	ND	500	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthene	ND	10	1		Naphthalene	ND	10	1	
Acenaphthylene	ND	10	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	10	1		Phenanthrene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Phenol	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Pyrene	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	51	32-143		2-Fluorobiphenyl	70	14-146	
2-Fluorophenol	78	15-138		Nitrobenzene-d5	98	18-162	
p-Terphenyl-d14	68	34-148		Phenol-d6	80	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.5	1		4,4'-DDT	ND	1.5	1	
Alpha-BHC	ND	1.5	1		Endosulfan I	ND	1.5	1	
Beta-BHC	ND	1.5	1		Endosulfan II	ND	1.5	1	
Delta-BHC	ND	1.5	1		Endosulfan Sulfate	ND	1.5	1	
Gamma-BHC	ND	1.5	1		Endrin	ND	1.5	1	
Chlordane	ND	15	1		Endrin Aldehyde	ND	1.5	1	
Dieldrin	ND	1.5	1		Endrin Ketone	ND	1.5	1	
2,4'-DDD	ND	1.5	1		Heptachlor	ND	1.5	1	
2,4'-DDE	ND	1.5	1		Heptachlor Epoxide	ND	1.5	1	
2,4'-DDT	ND	1.5	1		Methoxychlor	ND	1.5	1	
4,4'-DDD	ND	1.5	1		Toxaphene	ND	29	1	
4,4'-DDE	ND	1.5	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	73	50-130		Decachlorobiphenyl	69	50-130	

U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.3	1		4,4'-DDT	ND	1.3	1	
Alpha-BHC	ND	1.3	1		Endosulfan I	ND	1.3	1	
Beta-BHC	ND	1.3	1		Endosulfan II	ND	1.3	1	
Delta-BHC	ND	1.3	1		Endosulfan Sulfate	ND	1.3	1	
Gamma-BHC	ND	1.3	1		Endrin	ND	1.3	1	
Chlordane	ND	13	1		Endrin Aldehyde	ND	1.3	1	
Dieldrin	ND	1.3	1		Endrin Ketone	ND	1.3	1	
2,4'-DDD	ND	1.3	1		Heptachlor	ND	1.3	1	
2,4'-DDE	ND	1.3	1		Heptachlor Epoxide	ND	1.3	1	
2,4'-DDT	ND	1.3	1		Methoxychlor	ND	1.3	1	
4,4'-DDD	7.0	1.3	1		Toxaphene	ND	27	1	
4,4'-DDE	3.9	1.3	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	75	50-130		Decachlorobiphenyl	82	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
REF	**07-11-0373-3**	**10/28/07**	**Solid**	**GC 41**	**11/08/07**	**11/10/07**	**071108L07**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	6.2	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	69	50-130		Decachlorobiphenyl	72	50-130	

Method Blank	**099-12-563-15**	**N/A**	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		4,4'-DDT	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endosulfan I	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endosulfan II	ND	1.0	1	
Delta-BHC	ND	1.0	1		Endosulfan Sulfate	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Endrin	ND	1.0	1	
Chlordane	ND	10	1		Endrin Aldehyde	ND	1.0	1	
Dieldrin	ND	1.0	1		Endrin Ketone	ND	1.0	1	
2,4'-DDD	ND	1.0	1		Heptachlor	ND	1.0	1	
2,4'-DDE	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
2,4'-DDT	ND	1.0	1		Methoxychlor	ND	1.0	1	
4,4'-DDD	ND	1.0	1		Toxaphene	ND	20	1	
4,4'-DDE	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	100	50-130		Decachlorobiphenyl	94	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1**	**11/05/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	15	1		Aroclor-1248	ND	15	1	
Aroclor-1221	ND	15	1		Aroclor-1254	ND	15	1	
Aroclor-1232	ND	15	1		Aroclor-1260	ND	15	1	
Aroclor-1242	ND	15	1		Aroclor-1262	ND	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	70	50-130		Decachlorobiphenyl	59	50-130	

U-C	**07-11-0373-2**	**11/05/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	13	1		Aroclor-1248	ND	13	1	
Aroclor-1221	ND	13	1		Aroclor-1254	ND	13	1	
Aroclor-1232	ND	13	1		Aroclor-1260	ND	13	1	
Aroclor-1242	ND	13	1		Aroclor-1262	ND	13	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	72	50-130		Decachlorobiphenyl	82	50-130	

REF	**07-11-0373-3**	**10/28/07**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	ND	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	78	50-130		Decachlorobiphenyl	72	50-130	

Method Blank	**099-12-565-28**	**N/A**	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	10	1		Aroclor-1248	ND	10	1	
Aroclor-1221	ND	10	1		Aroclor-1254	ND	10	1	
Aroclor-1232	ND	10	1		Aroclor-1260	ND	10	1	
Aroclor-1242	ND	10	1		Aroclor-1262	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	102	50-130		Decachlorobiphenyl	95	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/06/07
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
L-C	**07-11-0373-1**	**11/05/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	ND	0.15	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.15	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Carbon, Total Organic (9)	0.93	0.073	1		%	N/A	11/08/07	EPA 9060
Solids, Total	68.9	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	30	0.29	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

U-C	**07-11-0373-2**	**11/05/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	ND	0.13	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.13	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Carbon, Total Organic (9)	0.94	0.066	1		%	N/A	11/08/07	EPA 9060
Solids, Total	75.3	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	4.0	0.27	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

REF	**07-11-0373-3**	**10/28/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.
(19) Sample was not received within recommended holding time.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9) (19)	ND	0.14	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Sulfide, Dissolved (9) (19)	ND	0.14	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Carbon, Total Organic (9)	ND	0.071	1		%	N/A	11/08/07	EPA 9060
Solids, Total	70.4	0.100	1		%	N/A	11/06/07	SM 2540 B
Ammonia (as N) (9)	9.9	0.28	1		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/06/07
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Solid**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total	ND	0.10	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Sulfide, Dissolved	ND	0.10	0.2		mg/kg	11/09/07	11/09/07	EPA 376.2M
Carbon, Total Organic	ND	0.050	1		%	N/A	11/08/07	EPA 9060
Ammonia (as N)	ND	0.10	0.5		mg/kg	11/09/07	11/09/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	EPA 3050B
Method:	EPA 6020

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	105	109	80-120	3	0-20	
Cadmium	103	107	80-120	4	0-20	
Chromium	115	129	80-120	6	0-20	3
Copper	105	124	80-120	6	0-20	3
Lead	101	87	80-120	7	0-20	
Nickel	97	105	80-120	4	0-20	
Selenium	105	105	80-120	1	0-20	
Silver	102	105	80-120	2	0-20	
Zinc	4X	4X	80-120	4X	0-20	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	Extraction
Method:	EPA 418.1M

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	92	94	55-135	2	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	90	90	76-136	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	EPA 3545
Method:	EPA 8270C SIM

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**GC/MS N**	**11/08/07**	**11/13/07**	**071108S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	73	82	40-160	11	0-20	
2,4-Dichlorophenol	75	83	40-160	10	0-20	
2-Methylphenol	85	93	40-160	9	0-20	
2-Nitrophenol	90	102	40-160	13	0-20	
4-Chloro-3-Methylphenol	95	104	40-160	8	0-20	
Acenaphthene	81	92	40-106	11	0-20	
Benzo (a) Pyrene	74	89	17-163	15	0-20	
Chrysene	38	45	17-168	12	0-20	
Di-n-Butyl Phthalate	94	101	40-160	8	0-20	
Dimethyl Phthalate	83	92	40-160	10	0-20	
Fluoranthene	71	81	26-137	11	0-20	
Fluorene	93	102	59-121	9	0-20	
N-Nitrosodimethylamine	110	115	40-160	5	0-20	
Naphthalene	74	91	21-133	19	0-20	
Phenanthrene	81	87	54-120	6	0-20	
Phenol	89	97	40-160	8	0-20	
Pyrene	109	131	6-156	14	0-46	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	EPA 3545
Method:	EPA 8081A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**GC 41**	**11/08/07**	**11/10/07**	**071108S07**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	43	44	50-135	3	0-25	3
Alpha-BHC	44	44	50-135	0	0-25	3
Beta-BHC	45	48	50-135	8	0-25	3
Delta-BHC	60	69	50-135	13	0-25	
Gamma-BHC	38	39	50-135	2	0-25	3
Dieldrin	67	66	50-135	2	0-25	
4,4'-DDD	104	105	50-135	1	0-25	
4,4'-DDE	132	88	50-135	17	0-25	
4,4'-DDT	10	10	50-135	5	0-25	3
Endosulfan I	39	39	50-135	2	0-25	3
Endosulfan II	46	47	50-135	3	0-25	3
Endosulfan Sulfate	41	45	50-135	9	0-25	3
Endrin	51	48	50-135	6	0-25	3
Endrin Aldehyde	46	74	50-135	47	0-25	3,4
Endrin Ketone	31	28	50-135	13	0-25	3
Heptachlor	33	27	50-135	20	0-25	3
Heptachlor Epoxide	65	60	50-135	9	0-25	
Methoxychlor	21	16	50-135	28	0-25	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	11/06/07
Work Order No:	07-11-0373
Preparation:	EPA 3545
Method:	EPA 8082

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108S08**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	109	102	50-135	7	0-25	
Aroclor-1260	170	178	50-135	4	0-25	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 9060	07-11-0072-2	11/08/07	N/A	114	107	75-125	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Moisture	ASTM D-2216	07-11-0072-2	11/06/07	34.1	34.7	2	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Sulfide, Total	EPA 376.2M	REF	11/09/07	ND	ND	NA	0-25	
Sulfide, Dissolved	EPA 376.2M	REF	11/09/07	ND	ND	NA	0-25	
Ammonia (as N)	SM 4500-NH3 B/E (M)	07-11-0072-5	11/09/07	29	29	0	0-25	
Solids, Total	SM 2540 B	07-11-0072-2	11/06/07	65.9	65.3	1	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-982	**Solid**	**ICP/MS A**	**11/07/07**	**11/07/07**	**071107L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	100	80-120	1	0-20	
Cadmium	103	102	80-120	2	0-20	
Chromium	104	103	80-120	1	0-20	
Copper	98	96	80-120	2	0-20	
Lead	101	99	80-120	1	0-20	
Nickel	101	101	80-120	0	0-20	
Selenium	96	97	80-120	0	0-20	
Silver	97	95	80-120	2	0-20	
Zinc	101	99	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-015-1,251	**Solid**	**IR #1**	**11/07/07**	**11/07/07**	**071107L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	82	85	70-130	3	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-49	**Solid**	**Mercury**	**11/07/07**	**11/07/07**	**071107L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	99	100	82-124	1	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-70	**Solid**	**GC/MS N**	**11/08/07**	**11/12/07**	**071108L06**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	78	78	40-160	1	0-20	
2,4-Dichlorophenol	80	81	40-160	0	0-20	
2-Methylphenol	98	99	40-160	2	0-20	
2-Nitrophenol	93	93	40-160	1	0-20	
4-Chloro-3-Methylphenol	106	108	40-160	2	0-20	
Acenaphthene	91	91	48-108	0	0-11	
Benzo (a) Pyrene	77	77	17-163	1	0-20	
Chrysene	35	35	17-168	0	0-20	
Di-n-Butyl Phthalate	98	97	40-160	1	0-20	
Dimethyl Phthalate	96	95	40-160	1	0-20	
Fluoranthene	80	80	26-137	0	0-20	
Fluorene	87	88	59-121	1	0-20	
N-Nitrosodimethylamine	117	119	40-160	2	0-20	
Naphthalene	93	92	21-133	0	0-20	
Phenanthrene	86	86	54-120	1	0-20	
Phenol	100	103	40-160	2	0-20	
Pyrene	95	98	28-106	3	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0373
Preparation: EPA 3545
Method: EPA 8081A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-563-15	**Solid**	**GC 41**	**11/08/07**	**11/09/07**	**071108L07**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	88	79	50-135	10	0-25	
Alpha-BHC	88	80	50-135	10	0-25	
Beta-BHC	89	84	50-135	6	0-25	
Delta-BHC	85	79	50-135	8	0-25	
Gamma-BHC	90	81	50-135	10	0-25	
Dieldrin	87	78	50-135	10	0-25	
4,4'-DDD	88	81	50-135	9	0-25	
4,4'-DDE	89	86	50-135	4	0-25	
4,4'-DDT	97	89	50-135	9	0-25	
Endosulfan I	87	76	50-135	15	0-25	
Endosulfan II	87	79	50-135	9	0-25	
Endosulfan Sulfate	89	81	50-135	10	0-25	
Endrin	87	78	50-135	10	0-25	
Endrin Aldehyde	96	88	50-135	8	0-25	
Endrin Ketone	90	82	50-135	8	0-25	
Heptachlor	90	81	50-135	10	0-25	
Heptachlor Epoxide	88	80	50-135	10	0-25	
Methoxychlor	92	86	50-135	7	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-565-28	**Solid**	**GC 16**	**11/08/07**	**11/09/07**	**071108L08**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	85	73	50-135	15	0-25	
Aroclor-1260	107	99	50-135	8	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-11-0373

Project: POLA B145 - 7151000604

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	EPA 9060	099-06-013-269	11/08/07	N/A	6000	6040	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-0373

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Calscience Environmental Laboratories, Inc.

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7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 11/6/07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Court

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858.300.4321 E-MAIL: nicholas.buhbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ _____

SPECIAL INSTRUCTIONS:
please include in batch delivered 11/1/07
bagged sample for grain size
please report as PDF & EDD
* other = TOC, total + soluble sulfides, ammonia, total solids

CLIENT PROJECT NAME / NUMBER: POLA B145 - 7151000604 (2 of 2)

P.O. NO.:

PROJECT CONTACT: NICK BUHBE

LAB USE ONLY: 11-0373

SAMPLER(S): (PRINT) N. BUHBE

COELT LOG CODE: ☐☐☐☐

COOLER RECEIPT TEMP= _____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~TPH (g)~~ TRPH	TPH (d) or (C7-C36) or (C7-C44)	~~TPH~~ (Grain Size)	BTEX / MTBE (8260B)	VOCs (8260B)	VOCs+Oxys (8260B)	Encore Prep (5035)	SVOCs (8270C) PAH, phenols phthalates	Pesticides (8181A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI)[7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g)[TO-3]+	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	Other (*)
1	L-C		5NOV07		SED	3	X		X					X	X	X						X	X	X
2	U-C		5NOV07		↓	4	↓		↓					↓	↓	↓						↓	↓	↓
3	REF		28OCT07		↓	3	↓		↓					↓	↓	↓						↓	↓	↓

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	11/6/07	1215
[signature]	[signature] Shen Loma CEL	11-6-7	1615

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and Yellow copies respectively.

05/01/07 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 0 3 7 3

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Amec **DATE:** 11-6-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✗ (H.C)	H.C	
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Sample (-1) L-C as 5NOV07 was received as 10-30-07
(-2) U-C " 5NOV07 " " " 11-2-07
(-3) REF " 28OCT07 " " " 10-30-07

H.C 11-6-07

PTS Laboratories, Inc.

Calscience
PTS File No: 37947

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: N/A
PROJECT NO: 07-11-0373

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
L-C	N/A	Silt	0.024	0.00	0.00	4.52	24.99	50.84	19.65	70.48
U-C	N/A	Fine sand	0.083	0.00	0.00	7.12	44.99	37.28	10.61	47.89
REF	N/A	Fine sand	0.084	0.00	0.00	0.00	58.21	34.39	7.40	41.79

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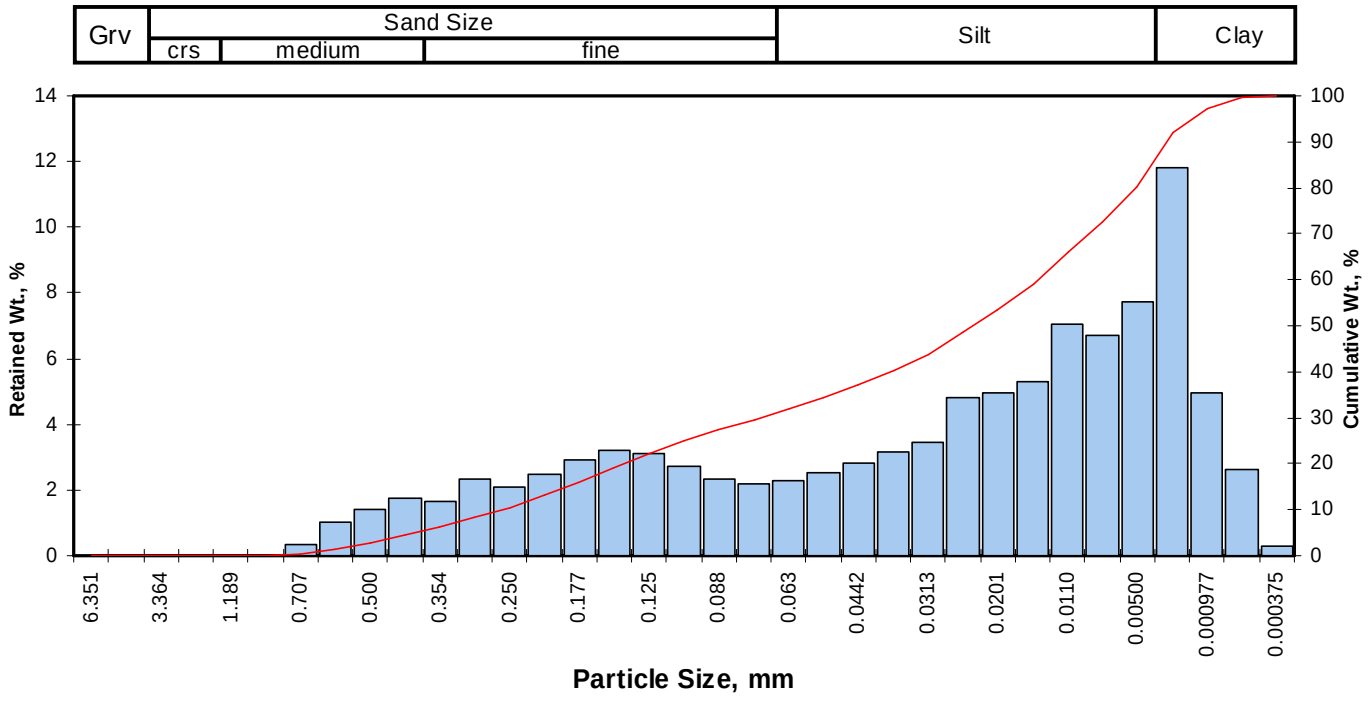
C.

Particle Size A **M**

PTS F 47
Samp -C
Depth /A



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.02	0.02	0.02
0.0278	0.707	0.50	25	0.35	0.35	0.37
0.0234	0.595	0.75	30	1.00	1.00	1.37
0.0197	0.500	1.00	35	1.39	1.39	2.76
0.0166	0.420	1.25	40	1.76	1.76	4.52
0.0139	0.354	1.50	45	1.63	1.63	6.15
0.0117	0.297	1.75	50	2.31	2.31	8.46
0.0098	0.250	2.00	60	2.10	2.10	10.56
0.0083	0.210	2.25	70	2.47	2.47	13.03
0.0070	0.177	2.50	80	2.93	2.93	15.96
0.0059	0.149	2.75	100	3.22	3.22	19.18
0.0049	0.125	3.00	120	3.11	3.11	22.29
0.0041	0.105	3.25	140	2.71	2.71	25.00
0.0035	0.088	3.50	170	2.33	2.33	27.33
0.0029	0.074	3.75	200	2.19	2.19	29.52
0.0025	0.063	4.00	230	2.30	2.30	31.82
0.0021	0.053	4.25	270	2.54	2.54	34.36
0.00174	0.0442	4.50	325	2.84	2.84	37.20
0.00146	0.0372	4.75	400	3.14	3.14	40.33
0.00123	0.0313	5.00	450	3.47	3.47	43.80
0.000986	0.0250	5.32	500	4.79	4.79	48.59
0.000790	0.0201	5.64	635	4.95	4.95	53.54
0.000615	0.0156	6.00		5.32	5.32	58.86
0.000435	0.0110	6.50		7.05	7.05	65.91
0.000308	0.00781	7.00		6.70	6.70	72.61
0.000197	0.00500	7.65		7.75	7.75	80.35
0.000077	0.00195	9.00		11.80	11.80	92.15
0.000038	0.000977	10.00		4.97	4.97	97.12

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.32	0.0157	0.400
10	1.93	0.0103	0.262
16	2.50	0.0069	0.176
25	3.25	0.0041	0.105
40	4.72	0.0015	0.038
50	5.41	0.0009	0.024
60	6.08	0.0006	0.015
75	7.20	0.0003	0.007
84	8.06	0.0001	0.004
90	8.75	0.0001	0.002
95	9.57	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.41	5.41	5.41
Median, in.	0.0009	0.0009	0.0009
Median, mm	0.024	0.024	0.024
Mean, phi	4.16	5.28	5.33
Mean, in.	0.0022	0.0010	0.0010
Mean, mm	0.056	0.026	0.025
Sorting	3.930	2.780	2.640
Skewness	1.138	-0.046	-0.018
Kurtosis	0.189	0.484	0.856
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	4.52
Fine Sand	200	24.99

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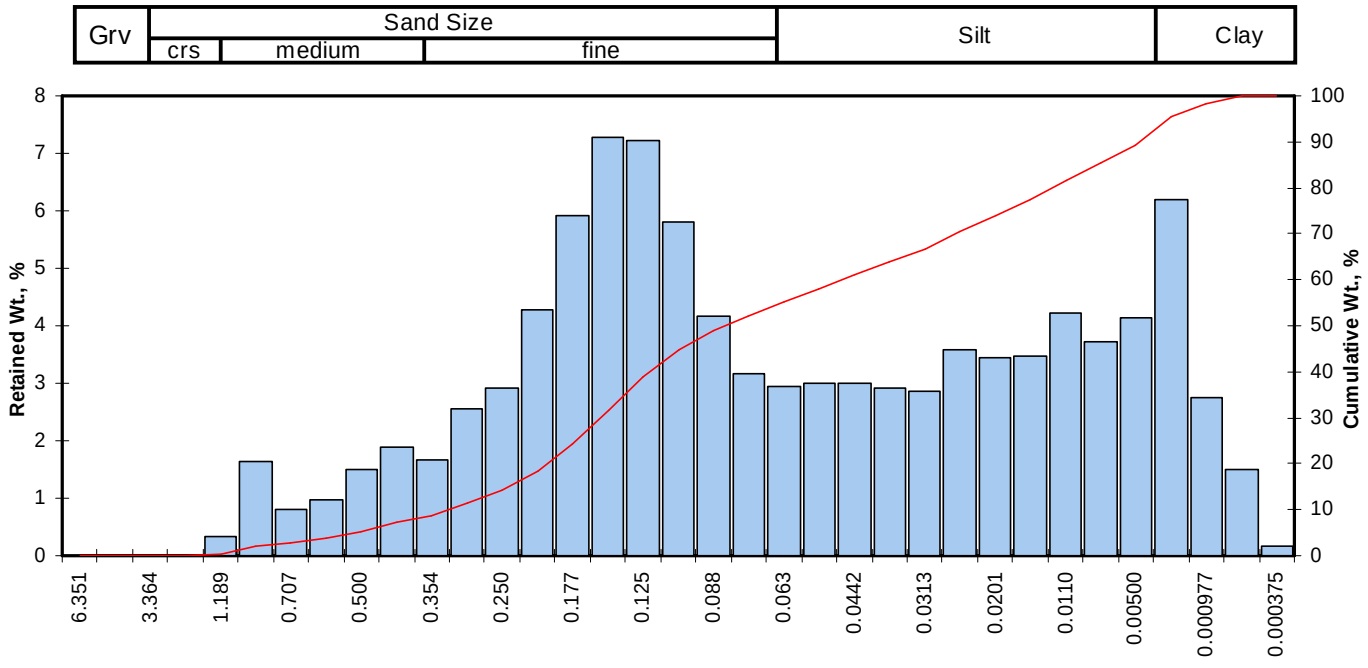
C. **Particle Size A** **M**

PTS F 47
Samp -C
Depth /A



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.33	0.33	0.33
0.0331	0.841	0.25	20	1.63	1.63	1.96
0.0278	0.707	0.50	25	0.81	0.81	2.77
0.0234	0.595	0.75	30	0.98	0.98	3.75
0.0197	0.500	1.00	35	1.49	1.49	5.24
0.0166	0.420	1.25	40	1.88	1.88	7.12
0.0139	0.354	1.50	45	1.67	1.67	8.79
0.0117	0.297	1.75	50	2.55	2.55	11.34
0.0098	0.250	2.00	60	2.93	2.93	14.27
0.0083	0.210	2.25	70	4.27	4.27	18.54
0.0070	0.177	2.50	80	5.93	5.93	24.47
0.0059	0.149	2.75	100	7.28	7.28	31.75
0.0049	0.125	3.00	120	7.21	7.21	38.96
0.0041	0.105	3.25	140	5.81	5.81	44.77
0.0035	0.088	3.50	170	4.16	4.16	48.93
0.0029	0.074	3.75	200	3.18	3.18	52.11
0.0025	0.063	4.00	230	2.94	2.94	55.05
0.0021	0.053	4.25	270	3.00	3.00	58.05
0.00174	0.0442	4.50	325	3.01	3.01	61.06
0.00146	0.0372	4.75	400	2.92	2.92	63.98
0.00123	0.0313	5.00	450	2.85	2.85	66.83
0.000986	0.0250	5.32	500	3.58	3.58	70.41
0.000790	0.0201	5.64	635	3.44	3.44	73.85
0.000615	0.0156	6.00		3.46	3.46	77.31
0.000435	0.0110	6.50		4.21	4.21	81.52
0.000308	0.00781	7.00		3.73	3.73	85.25
0.000197	0.00500	7.65		4.14	4.14	89.39
0.000077	0.00195	9.00		6.19	6.19	95.58
0.000038	0.000977	10.00		2.75	2.75	98.33

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.96	0.0202	0.514
10	1.62	0.0128	0.326
16	2.10	0.0092	0.233
25	2.52	0.0069	0.175
40	3.04	0.0048	0.121
50	3.58	0.0033	0.083
60	4.41	0.0018	0.047
75	5.76	0.0007	0.018
84	6.83	0.0003	0.009
90	7.78	0.0002	0.005
95	8.87	0.0001	0.002

Measure	Trask	Inman	Folk-Ward
Median, phi	3.58	3.58	3.58
Median, in.	0.0033	0.0033	0.0033
Median, mm	0.083	0.083	0.083
Mean, phi	3.37	4.47	4.17
Mean, in.	0.0038	0.0018	0.0022
Mean, mm	0.097	0.045	0.055
Sorting	3.075	2.366	2.382
Skewness	0.681	0.373	0.355
Kurtosis	0.243	0.673	1.001
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.12
Fine Sand	200	44.99

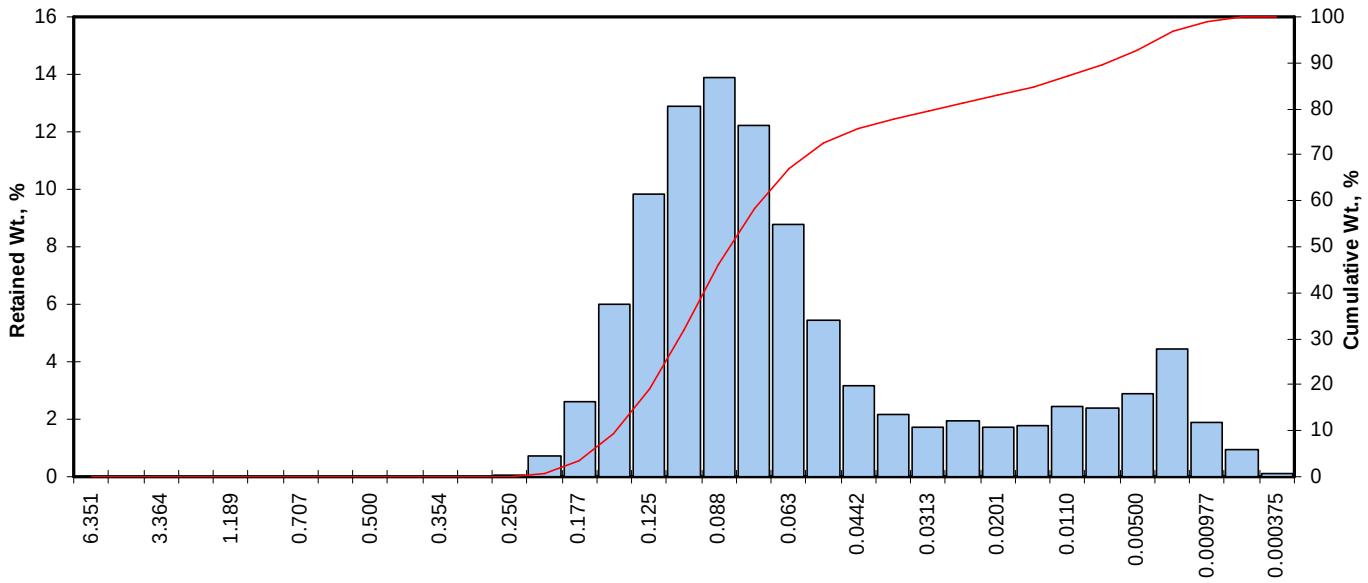
Calscience Environmental Laboratories, Inc.

C.

Particle Size A **M**

PTS F 47
Samp EF
Depth /A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Particle Size, mm

Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.07	0.07	0.07
0.0083	0.210	2.25	70	0.71	0.71	0.78
0.0070	0.177	2.50	80	2.63	2.63	3.41
0.0059	0.149	2.75	100	5.98	5.98	9.39
0.0049	0.125	3.00	120	9.83	9.83	19.22
0.0041	0.105	3.25	140	12.90	12.90	32.12
0.0035	0.088	3.50	170	13.90	13.90	46.01
0.0029	0.074	3.75	200	12.20	12.20	58.21
0.0025	0.063	4.00	230	8.78	8.78	66.99
0.0021	0.053	4.25	270	5.43	5.43	72.42
0.00174	0.0442	4.50	325	3.19	3.19	75.61
0.00146	0.0372	4.75	400	2.14	2.14	77.75
0.00123	0.0313	5.00	450	1.72	1.72	79.47
0.000986	0.0250	5.32	500	1.92	1.92	81.39
0.000790	0.0201	5.64	635	1.71	1.71	83.10
0.000615	0.0156	6.00		1.78	1.78	84.88
0.000435	0.0110	6.50		2.44	2.44	87.32
0.000308	0.00781	7.00		2.41	2.41	89.73
0.000197	0.00500	7.65		2.87	2.87	92.60
0.000077	0.00195	9.00		4.43	4.43	97.03
0.000038	0.000977	10.00		1.90	1.90	98.93

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.57	0.0066	0.169
10	2.77	0.0058	0.147
16	2.92	0.0052	0.132
25	3.11	0.0046	0.116
40	3.39	0.0038	0.095
50	3.58	0.0033	0.084
60	3.80	0.0028	0.072
75	4.45	0.0018	0.046
84	5.82	0.0007	0.018
90	7.06	0.0003	0.007
95	8.38	0.0001	0.003

Measure	Trask	Inman	Folk-Ward
Median, phi	3.58	3.58	3.58
Median, in.	0.0033	0.0033	0.0033
Median, mm	0.084	0.084	0.084
Mean, phi	3.63	4.37	4.11
Mean, in.	0.0032	0.0019	0.0023
Mean, mm	0.081	0.048	0.058
Sorting	1.591	1.452	1.606
Skewness	0.870	0.543	0.597
Kurtosis	0.251	1.002	1.778
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	58.21

Calscience Environmental Laboratories, Inc.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 . FAX: (714) 894-7501

TO: PTS Labs

CHAIN OF CUSTODY RECORD

DATE: 11/07/07
PAGE: 1 OF 1

LABORATORY CLIENT: Calscience Environmental Laboratories, Inc.
ADDRESS: 7440 Lincoln Way
CITY: Garden Grove, CA 92841-1427
TEL: (714) 895-5494
E-MAIL: bstearns@calscience.com

CLIENT PROJECT NAME / NUMBER: 07-11-0373
PROJECT CONTACT: Bob Stearns
SAMPLER(S): (PRINT)

P.O. NO.: 07-11-0373
QUOTE NO.:
LAB USE ONLY: 57947

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ NORMAL

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
~~please use sample dates listed on coc (container labels have different sample dates)~~ TV 11/7/07

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	Grain Size
✓	L-C	11/05/07	-	S	1	x
✓	U-C	11/05/07	-	S	1	x
✓	REF	10/28/07	-	S	1	x

Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
(CALSCIENCE)	PTS LABS	11-08-07 ~~11/07/07~~	12:40
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by / Affiliation: (Signature)	Date:	Time:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

December 10, 2007

Additional requested analyses are reported as a stand-alone report.

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-11-0373**
Client Reference: POLA B145 - 7151000604

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 11/6/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	11/06/07
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
L-C	**07-11-0373-1-A**	**11/05/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	104	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
U-C	**07-11-0373-2-A**	**11/05/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	108	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
REF	**07-11-0373-3-A**	**10/28/07**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	102	50-130	

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-07-016-501**	**N/A**	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	122	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 11/06/07
Work Order No: 07-11-0373
Preparation: EPA 3545
Method: Organotins by Krone et al.

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
07-11-0072-2	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128S14**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	70	70	50-130	0	0-20	
Tributyltin	87	90	50-130	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-11-0373
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-501	**Solid**	**GC/MS Y**	**11/28/07**	**12/03/07**	**071128L14**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	82	86	50-130	5	0-20	
Tributyltin	77	78	50-130	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-11-0373

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Calscience Environmental Laboratories, Inc.

☐ SoCal Laboratory
7440 Lincoln Way
Garden Grove, CA 92841-1427
(714) 895-5494

☐ NorCal Service Center
5063 Commercial Circle, Suite H
Concord, CA 94520-8577
(925) 689-9022

CHAIN OF CUSTODY RECORD

Date 11/6/07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Court

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858.300.4321 E-MAIL: nicholas.buhbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐ _____

SPECIAL INSTRUCTIONS:
please include in batch delivered 11/1/07
bagged sample for grain size
please report as PDF & EDD
* other = TOC, total + soluble sulfides, ammonia, total solids

CLIENT PROJECT NAME / NUMBER: POLA B145 - 7151000604 (2 of 2)

P.O. NO.:

PROJECT CONTACT: NICK BUHBE

LAB USE ONLY: 11-0373

SAMPLER(S): (PRINT) N. BUHBE

COELT LOG CODE: ☐☐☐☐

COOLER RECEIPT TEMP= _____ °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~TPH (g)~~ TRPH	TPH (d) or (C7-C36) or (C7-C44)	~~TPH~~ (Grain Size)	BTEX / MTBE (8260B)	VOCs (8260B)	VOCs+Oxys (8260B)	Encore Prep (5035)	SVOCs (8270C) PAH, phenols phthalates	Pesticides (8181A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI)[7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g)[TO-3]+	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	Other (*)
1	L-C		5NOV07		SED	3	X		X					X	X	X						X	X	X
2	U-C		5NOV07		↓	4	↓		↓					↓	↓	↓						↓	↓	↓
3	REF		28OCT07		↓	3	↓		↓					↓	↓	↓						↓	↓	↓

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	11/6/07	1215
[signature]	[signature] Shen Loma CEL	11-6-7	1615

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the green and Yellow copies respectively.

05/01/07 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 1 1 - 0 3 7 3

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Amec **DATE:** 11-6-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ____ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ✓ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

3.8 °C Temperature blank.

Initial: [illegible]

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: [illegible]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✗ (HC)	HC	
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)			✓
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [illegible]

COMMENTS:

Sample (-1) L-C as 5NOV07 was received as 10-30-07
(-2) U-C " 5NOV07 " " " 11-2-07
(-3) REF " 28OCT07 " " " 10-30-07

HC 11-6-07

Bob Stearns

From: Buhbe, Nicholas P [nicholas.buhbe@amec.com]
Sent: Tuesday, November 27, 2007 4:02 PM
To: Bob Stearns
Subject: POLA Berth 145 Samples

Bob-
Upon review of the data I have a request and a question -

The request is for organotin analyses for all 7 samples analyzed for work orders 07-11-0072 and 07-11-0373 (1-C, 2-C, UC, LC, Native B1, Native B2, and Ref). Normal turnaround time will be fine. Please update COCs as appropriate, and let me know if you need additional sample volume.

Question relates to 07-11-0072. You ran a duplicate on sample 2-C. Total solids data was quite disparate and likely contributed to some variability in the results due to the dry weight conversion. Any obvious reason (e.g., sampled from different containers?)? Is one of the samples more representative?

Thanks on both accounts.
Nick

Nicholas Buhbe, MS
Senior Marine Scientist
amec Earth & Environmental
9210 Sky Park Court, Suite 200
San Diego, CA 92123
dir: (858) 300-4321
fax: (858) 300-4301
mob: (619) 985-9111

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Its contents (including any attachments) may contain confidential and/or privileged information.
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If you receive this e-mail in error, please notify the sender by reply e-mail and delete and destroy the message.

Calscience Environmental Laboratories, Inc.

December 20, 2007

Nick Buhbe
AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Subject: **Calscience Work Order No.: 07-12-0674**
Client Reference: POLA B145 - 7151000604

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/7/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Robert Stearns
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-12-0674

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the marine sediment samples.

Sample Condition on Receipt

Eight marine sediment samples were received for this project on December 7, 2007. The samples were housed in glass jars. All samples were transferred to the laboratory in an ice-chest with wet ice, following strict chain-of-custody (COC) procedures. The samples were received frozen. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis. Testing was performed in accordance with the COC using pre-established testing methods and compound lists.

No sample receiving anomalies were noted.

Data Summary

Each sample was allowed to thaw, then homogenized prior to analysis.

Holding times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Blanks

Concentrations of target analytes in the method blanks were found to be below reporting limits for all testing, with the exception of arsenic. For arsenic, a minor concentration was found in the method blank. However, concentrations in the samples were significantly higher than the blank, and thus the data should be

unaffected by the blank value. Regardless, the data has been flagged with a B qualifier.

Laboratory Control Samples

Laboratory Control Sample analyses were performed for each applicable method at the required frequencies. All parameters were within control limits for each method with the exception of the SVOCs. The LCS recovery for N-Nitrosodimethylamine was slightly higher than the established control limit for this compound. However, all samples and the method blank showed undetectable levels of N-Nitrosodimethylamine, and thus the data is released with no further action.

Matrix Spikes

Matrix spike analyses were performed at required frequencies. Spiking was performed only on a project sample (B1-A-Lower). The MS/MSD recoveries and RPDs for all testing were within acceptable limits, with the following exceptions.

For the metals by EPA 6020, the matrix spike and matrix spike duplicate (MS/MSD) recoveries for zinc fell below the established control limit for the metal. However, the corresponding LCS/LCSD recoveries and RPD for zinc were in control, suggesting a matrix interference effect, and thus the data is released with no further action

For Tributyltin by Krone et. al., the matrix spike recovery fell above the established control limit. However, the corresponding LCS/LCSD recoveries were in control, indicating a matrix interference effect, and the data is thus released with no further qualification.

For the organochlorine pesticides/PCBs by EPA 8081A/8082, many of the compounds showed matrix spike recoveries outside of the established control limits for those compounds. Also, the duplicate RPDs for DDT and Methoxychlor were above control limits. However, the associated LCS/LCSD recoveries and RPDs for each of these compounds were within control limits, indicating a matrix interference effect, and the data is released with no further qualification.

Finally, for the SVOCs by EPA 8270C SIM, the MS/MSD recoveries for Acenaphthene and N-Nitrosodimethylamine fell above the established control limits. However, since the corresponding LCS/LCSD recoveries and RPDs for each compound was in control, a matrix interference effect is the apparent cause, and the data is released with no further qualification.

Surrogates

Surrogate recoveries for all applicable tests and samples were within acceptable control limits, with the exception of 2-Fluorophenol, one of the surrogate compounds for EPA 8270C SIM. The surrogate was above the established control limit in four of the eight samples. In addition, surrogate compound Nitrobenzene-d5 was above the control limit in sample 2-1. However, because of matrix effects and the fact that the surrogate was in control for the method blank, the data is released with no further qualification.

Acronyms

MS/MSD: Matrix Spike/Matrix Spike Duplicate
LCS/LCSD: Laboratory Control Sample/Laboratory Control Sample Duplicate
RPD: Relative Percent Difference

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	12.1	0.323	1		Nickel	32.3	0.162	1	
Cadmium	0.542	0.162	1		Selenium	1.12	0.808	1	
Chromium	59.0	0.162	1		Silver	0.294	0.162	1	
Copper	79.3	0.162	1		Zinc	189	1.62	1	
Lead	46.0	0.162	1						

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	11.1	0.304	1		Nickel	30.1	0.152	1	
Cadmium	0.400	0.152	1		Selenium	ND	0.760	1	
Chromium	47.2	0.152	1		Silver	0.191	0.152	1	
Copper	57.8	0.152	1		Zinc	163	1.52	1	
Lead	36.7	0.152	1						

2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	12.9	0.311	1		Nickel	34.8	0.156	1	
Cadmium	0.449	0.156	1		Selenium	1.17	0.778	1	
Chromium	45.9	0.156	1		Silver	0.193	0.156	1	
Copper	69.2	0.156	1		Zinc	154	1.56	1	
Lead	22.3	0.156	1						

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	10.8	0.307	1		Nickel	35.0	0.154	1	
Cadmium	0.577	0.154	1		Selenium	ND	0.768	1	
Chromium	59.7	0.154	1		Silver	0.213	0.154	1	
Copper	158	0.154	1		Zinc	264	1.54	1	
Lead	48.4	0.154	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	9.05	0.279	1		Nickel	26.4	0.139	1	
Cadmium	0.303	0.139	1		Selenium	0.785	0.697	1	
Chromium	39.1	0.139	1		Silver	0.144	0.139	1	
Copper	53.2	0.139	1		Zinc	144	1.39	1	
Lead	22.7	0.139	1						

2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	12.6	0.313	1		Nickel	33.3	0.156	1	
Cadmium	0.718	0.156	1		Selenium	1.35	0.782	1	
Chromium	69.2	0.156	1		Silver	0.334	0.156	1	
Copper	104	0.156	1		Zinc	223	1.56	1	
Lead	72.2	0.156	1						

B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	8.46	0.281	1		Nickel	22.6	0.140	1	
Cadmium	0.253	0.140	1		Selenium	0.836	0.702	1	
Chromium	25.7	0.140	1		Silver	ND	0.140	1	
Copper	36.4	0.140	1		Zinc	106	1.40	1	
Lead	9.10	0.140	1						

B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	9.14	0.276	1		Nickel	27.2	0.138	1	
Cadmium	0.196	0.138	1		Selenium	0.898	0.690	1	
Chromium	35.6	0.138	1		Silver	ND	0.138	1	
Copper	37.7	0.138	1		Zinc	113	1.38	1	
Lead	9.06	0.138	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020
		Units:	mg/kg
Project: POLA B145 - 7151000604			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**096-10-002-996**	**N/A**	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Arsenic	ND	0.200	1		Nickel	ND	0.100	1	
Cadmium	ND	0.100	1		Selenium	ND	0.500	1	
Chromium	ND	0.100	1		Silver	ND	0.100	1	
Copper	ND	0.100	1		Zinc	ND	1.00	1	
Lead	ND	0.100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	350	16	1		mg/kg

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	320	15	1		mg/kg

2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	130	16	1		mg/kg

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	320	15	1		mg/kg

2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	190	14	1		mg/kg

2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	660	31	2		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
B1-A Lower	**07-12-0674-7-A**	**10/29/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	16	14	1		mg/kg

B2-A Lower	**07-12-0674-8-A**	**10/30/07**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	14	1		mg/kg

Method Blank	**099-07-015-1,272**	**N/A**	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

Parameter	Result	RL	DF	Qual	Units
TRPH	ND	10	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.432	0.0324	1		mg/kg

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.345	0.0305	1		mg/kg

2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.165	0.0312	1		mg/kg

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.698	0.0308	1		mg/kg

2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.165	0.0279	1		mg/kg

2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.747	0.0314	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0706	0.0281	1		mg/kg

B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

-Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units
Mercury	0.0659	0.0276	1		mg/kg

Method Blank	**099-12-452-53**	**N/A**	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

Parameter	Result	RL	DF	Qual	Units
Mercury	ND	0.0200	1		mg/kg

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	42	4.8	1		Tetrabutyltin	ND	4.8	1	
Monobutyltin	ND	4.8	1		Tributyltin	49	4.8	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	127	50-130	

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	15	4.6	1		Tetrabutyltin	ND	4.6	1	
Monobutyltin	ND	4.6	1		Tributyltin	17	4.6	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	123	50-130	

2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	14	4.7	1		Tetrabutyltin	ND	4.7	1	
Monobutyltin	ND	4.7	1		Tributyltin	25	4.7	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	129	50-130	

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	140	4.6	1		Tetrabutyltin	ND	4.6	1	
Monobutyltin	ND	4.6	1		Tributyltin	200	4.6	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	121	50-130	

2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	31	4.2	1		Tetrabutyltin	ND	4.2	1	
Monobutyltin	ND	4.2	1		Tributyltin	35	4.2	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	125	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	56	4.7	1		Tetrabutyltin	ND	4.7	1	
Monobutyltin	ND	4.7	1		Tributyltin	72	4.7	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	122	50-130	

B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	4.2	1		Tetrabutyltin	ND	4.2	1	
Monobutyltin	ND	4.2	1		Tributyltin	ND	4.2	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	115	50-130	

B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	4.1	1		Tetrabutyltin	ND	4.1	1	
Monobutyltin	ND	4.1	1		Tributyltin	ND	4.1	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	121	50-130	

Method Blank	**099-07-016-506**	**N/A**	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Dibutyltin	ND	3.0	1		Tetrabutyltin	ND	3.0	1	
Monobutyltin	ND	3.0	1		Tributyltin	ND	3.0	1	

Surrogates:	REC (%)	Control Limits	Qual
Tripentyltin	126	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	16	1		Benzo (b) Fluoranthene	520	16	1	
2,4,5-Trichlorophenol	ND	16	1		Benzo (g,h,i) Perylene	120	16	1	
2,4,6-Trichlorophenol	ND	16	1		Benzo (k) Fluoranthene	420	16	1	
2,4-Dichlorophenol	ND	16	1		Bis(2-Ethylhexyl) Phthalate	440	16	1	
2,4-Dimethylphenol	ND	16	1		Butyl Benzyl Phthalate	240	16	1	
2,4-Dinitrophenol	ND	810	1		Chrysene	300	16	1	
2-Chlorophenol	ND	16	1		Di-n-Butyl Phthalate	55	16	1	
2-Methylnaphthalene	ND	16	1		Di-n-Octyl Phthalate	ND	16	1	
2-Methylphenol	ND	16	1		Dibenz (a,h) Anthracene	46	16	1	
2-Nitrophenol	ND	16	1		Diethyl Phthalate	ND	16	1	
3/4-Methylphenol	ND	16	1		Dimethyl Phthalate	ND	16	1	
4,6-Dinitro-2-Methylphenol	ND	810	1		Fluoranthene	250	16	1	
4-Chloro-3-Methylphenol	ND	16	1		Fluorene	64	16	1	
4-Nitrophenol	ND	810	1		Indeno (1,2,3-c,d) Pyrene	160	16	1	
Acenaphthene	67	16	1		Naphthalene	42	16	1	
Acenaphthylene	36	16	1		Pentachlorophenol	ND	810	1	
Anthracene	120	16	1		Phenanthrene	79	16	1	
Benzo (a) Anthracene	160	16	1		Phenol	ND	16	1	
Benzo (a) Pyrene	430	16	1		Pyrene	670	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	110	32-143		2-Fluorobiphenyl	129	14-146	
2-Fluorophenol	164	15-138	2	Nitrobenzene-d5	179	18-162	2
p-Terphenyl-d14	124	34-148		Phenol-d6	135	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	65	15	1		Benzo (b) Fluoranthene	310	15	1	
2,4,5-Trichlorophenol	ND	15	1		Benzo (g,h,i) Perylene	88	15	1	
2,4,6-Trichlorophenol	ND	15	1		Benzo (k) Fluoranthene	230	15	1	
2,4-Dichlorophenol	ND	15	1		Bis(2-Ethylhexyl) Phthalate	180	15	1	
2,4-Dimethylphenol	ND	15	1		Butyl Benzyl Phthalate	72	15	1	
2,4-Dinitrophenol	ND	760	1		Chrysene	150	15	1	
2-Chlorophenol	ND	15	1		Di-n-Butyl Phthalate	ND	15	1	
2-Methylnaphthalene	46	15	1		Di-n-Octyl Phthalate	ND	15	1	
2-Methylphenol	ND	15	1		Dibenz (a,h) Anthracene	31	15	1	
2-Nitrophenol	ND	15	1		Diethyl Phthalate	ND	15	1	
3/4-Methylphenol	ND	15	1		Dimethyl Phthalate	ND	15	1	
4,6-Dinitro-2-Methylphenol	ND	760	1		Fluoranthene	250	15	1	
4-Chloro-3-Methylphenol	ND	15	1		Fluorene	200	15	1	
4-Nitrophenol	ND	760	1		Indeno (1,2,3-c,d) Pyrene	110	15	1	
Acenaphthene	220	15	1		Naphthalene	59	15	1	
Acenaphthylene	22	15	1		Pentachlorophenol	ND	760	1	
Anthracene	94	15	1		Phenanthrene	290	15	1	
Benzo (a) Anthracene	91	15	1		Phenol	ND	15	1	
Benzo (a) Pyrene	250	15	1		Pyrene	1000	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	87	32-143		2-Fluorobiphenyl	117	14-146	
2-Fluorophenol	112	15-138		Nitrobenzene-d5	150	18-162	
p-Terphenyl-d14	109	34-148		Phenol-d6	80	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/13/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	16	1		Benzo (b) Fluoranthene	200	16	1	
2,4,5-Trichlorophenol	ND	16	1		Benzo (g,h,i) Perylene	70	16	1	
2,4,6-Trichlorophenol	ND	16	1		Benzo (k) Fluoranthene	150	16	1	
2,4-Dichlorophenol	ND	16	1		Bis(2-Ethylhexyl) Phthalate	230	16	1	
2,4-Dimethylphenol	ND	16	1		Butyl Benzyl Phthalate	53	16	1	
2,4-Dinitrophenol	ND	780	1		Chrysene	120	16	1	
2-Chlorophenol	ND	16	1		Di-n-Butyl Phthalate	17	16	1	
2-Methylnaphthalene	ND	16	1		Di-n-Octyl Phthalate	ND	16	1	
2-Methylphenol	ND	16	1		Dibenz (a,h) Anthracene	16	16	1	
2-Nitrophenol	ND	16	1		Diethyl Phthalate	ND	16	1	
3/4-Methylphenol	ND	16	1		Dimethyl Phthalate	ND	16	1	
4,6-Dinitro-2-Methylphenol	ND	780	1		Fluoranthene	140	16	1	
4-Chloro-3-Methylphenol	ND	16	1		Fluorene	ND	16	1	
4-Nitrophenol	ND	780	1		Indeno (1,2,3-c,d) Pyrene	79	16	1	
Acenaphthene	ND	16	1		Naphthalene	ND	16	1	
Acenaphthylene	ND	16	1		Pentachlorophenol	ND	780	1	
Anthracene	31	16	1		Phenanthrene	18	16	1	
Benzo (a) Anthracene	83	16	1		Phenol	ND	16	1	
Benzo (a) Pyrene	170	16	1		Pyrene	280	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	91	32-143		2-Fluorobiphenyl	121	14-146	
2-Fluorophenol	141	15-138	2	Nitrobenzene-d5	157	18-162	
p-Terphenyl-d14	113	34-148		Phenol-d6	103	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	15	1		Benzo (b) Fluoranthene	1800	15	1	
2,4,5-Trichlorophenol	ND	15	1		Benzo (g,h,i) Perylene	470	15	1	
2,4,6-Trichlorophenol	ND	15	1		Benzo (k) Fluoranthene	1400	15	1	
2,4-Dichlorophenol	ND	15	1		Bis(2-Ethylhexyl) Phthalate	190	15	1	
2,4-Dimethylphenol	ND	15	1		Butyl Benzyl Phthalate	66	15	1	
2,4-Dinitrophenol	ND	770	1		Chrysene	1800	15	1	
2-Chlorophenol	ND	15	1		Di-n-Butyl Phthalate	46	15	1	
2-Methylnaphthalene	ND	15	1		Di-n-Octyl Phthalate	ND	15	1	
2-Methylphenol	ND	15	1		Dibenz (a,h) Anthracene	180	15	1	
2-Nitrophenol	ND	15	1		Diethyl Phthalate	ND	15	1	
3/4-Methylphenol	ND	15	1		Dimethyl Phthalate	ND	15	1	
4,6-Dinitro-2-Methylphenol	ND	770	1		Fluoranthene	2800	15	1	
4-Chloro-3-Methylphenol	ND	15	1		Fluorene	110	15	1	
4-Nitrophenol	ND	770	1		Indeno (1,2,3-c,d) Pyrene	620	15	1	
Acenaphthene	94	15	1		Naphthalene	47	15	1	
Acenaphthylene	31	15	1		Pentachlorophenol	ND	770	1	
Anthracene	310	15	1		Phenanthrene	680	15	1	
Benzo (a) Anthracene	1300	15	1		Phenol	ND	15	1	
Benzo (a) Pyrene	1400	15	1		Pyrene	2700	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	82	32-143		2-Fluorobiphenyl	115	14-146	
2-Fluorophenol	133	15-138		Nitrobenzene-d5	153	18-162	
p-Terphenyl-d14	108	34-148		Phenol-d6	101	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/13/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	14	1		Benzo (b) Fluoranthene	330	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	110	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	270	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	260	14	1	
2,4-Dimethylphenol	ND	14	1		Butyl Benzyl Phthalate	68	14	1	
2,4-Dinitrophenol	ND	700	1		Chrysene	100	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	32	14	1	
2-Methylnaphthalene	ND	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	ND	14	1		Dibenz (a,h) Anthracene	26	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	ND	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	700	1		Fluoranthene	58	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	ND	14	1	
4-Nitrophenol	ND	700	1		Indeno (1,2,3-c,d) Pyrene	130	14	1	
Acenaphthene	ND	14	1		Naphthalene	ND	14	1	
Acenaphthylene	18	14	1		Pentachlorophenol	ND	700	1	
Anthracene	47	14	1		Phenanthrene	28	14	1	
Benzo (a) Anthracene	110	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	280	14	1		Pyrene	120	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	94	32-143		2-Fluorobiphenyl	120	14-146	
2-Fluorophenol	134	15-138		Nitrobenzene-d5	155	18-162	
p-Terphenyl-d14	109	34-148		Phenol-d6	101	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	16	1		Benzo (b) Fluoranthene	910	16	1	
2,4,5-Trichlorophenol	ND	16	1		Benzo (g,h,i) Perylene	150	16	1	
2,4,6-Trichlorophenol	ND	16	1		Benzo (k) Fluoranthene	600	16	1	
2,4-Dichlorophenol	ND	16	1		Bis(2-Ethylhexyl) Phthalate	260	16	1	
2,4-Dimethylphenol	ND	16	1		Butyl Benzyl Phthalate	98	16	1	
2,4-Dinitrophenol	ND	780	1		Chrysene	700	16	1	
2-Chlorophenol	ND	16	1		Di-n-Butyl Phthalate	ND	16	1	
2-Methylnaphthalene	18	16	1		Di-n-Octyl Phthalate	ND	16	1	
2-Methylphenol	ND	16	1		Dibenz (a,h) Anthracene	63	16	1	
2-Nitrophenol	ND	16	1		Diethyl Phthalate	ND	16	1	
3/4-Methylphenol	ND	16	1		Dimethyl Phthalate	ND	16	1	
4,6-Dinitro-2-Methylphenol	ND	780	1		Fluoranthene	1300	16	1	
4-Chloro-3-Methylphenol	ND	16	1		Fluorene	120	16	1	
4-Nitrophenol	ND	780	1		Indeno (1,2,3-c,d) Pyrene	210	16	1	
Acenaphthene	74	16	1		Naphthalene	73	16	1	
Acenaphthylene	75	16	1		Pentachlorophenol	ND	780	1	
Anthracene	400	16	1		Phenanthrene	210	16	1	
Benzo (a) Anthracene	450	16	1		Phenol	ND	16	1	
Benzo (a) Pyrene	650	16	1		Pyrene	1900	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	102	32-143		2-Fluorobiphenyl	121	14-146	
2-Fluorophenol	149	15-138	2	Nitrobenzene-d5	162	18-162	
p-Terphenyl-d14	116	34-148		Phenol-d6	119	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/13/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	14	1		Benzo (b) Fluoranthene	ND	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	ND	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	ND	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	31	14	1	
2,4-Dimethylphenol	ND	14	1		Butyl Benzyl Phthalate	54	14	1	
2,4-Dinitrophenol	ND	700	1		Chrysene	ND	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	17	14	1	
2-Methylnaphthalene	ND	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	ND	14	1		Dibenz (a,h) Anthracene	ND	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	ND	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	700	1		Fluoranthene	ND	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	ND	14	1	
4-Nitrophenol	ND	700	1		Indeno (1,2,3-c,d) Pyrene	ND	14	1	
Acenaphthene	ND	14	1		Naphthalene	ND	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	700	1	
Anthracene	ND	14	1		Phenanthrene	ND	14	1	
Benzo (a) Anthracene	ND	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	130	14	1		Pyrene	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	80	32-143		2-Fluorobiphenyl	112	14-146	
2-Fluorophenol	135	15-138		Nitrobenzene-d5	149	18-162	
p-Terphenyl-d14	100	34-148		Phenol-d6	97	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**GC/MS N**	**12/12/07**	**12/13/07**	**071212L06**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	90	14	1		Benzo (b) Fluoranthene	ND	14	1	
2,4,5-Trichlorophenol	ND	14	1		Benzo (g,h,i) Perylene	ND	14	1	
2,4,6-Trichlorophenol	ND	14	1		Benzo (k) Fluoranthene	ND	14	1	
2,4-Dichlorophenol	ND	14	1		Bis(2-Ethylhexyl) Phthalate	68	14	1	
2,4-Dimethylphenol	610	14	1		Butyl Benzyl Phthalate	76	14	1	
2,4-Dinitrophenol	ND	690	1		Chrysene	39	14	1	
2-Chlorophenol	ND	14	1		Di-n-Butyl Phthalate	ND	14	1	
2-Methylnaphthalene	180	14	1		Di-n-Octyl Phthalate	ND	14	1	
2-Methylphenol	250	14	1		Dibenz (a,h) Anthracene	ND	14	1	
2-Nitrophenol	ND	14	1		Diethyl Phthalate	ND	14	1	
3/4-Methylphenol	460	14	1		Dimethyl Phthalate	ND	14	1	
4,6-Dinitro-2-Methylphenol	ND	690	1		Fluoranthene	270	14	1	
4-Chloro-3-Methylphenol	ND	14	1		Fluorene	220	14	1	
4-Nitrophenol	ND	690	1		Indeno (1,2,3-c,d) Pyrene	ND	14	1	
Acenaphthene	190	14	1		Naphthalene	1100	14	1	
Acenaphthylene	ND	14	1		Pentachlorophenol	ND	690	1	
Anthracene	60	14	1		Phenanthrene	550	14	1	
Benzo (a) Anthracene	42	14	1		Phenol	ND	14	1	
Benzo (a) Pyrene	ND	14	1		Pyrene	140	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	92	32-143		2-Fluorobiphenyl	130	14-146	
2-Fluorophenol	142	15-138	2	Nitrobenzene-d5	162	18-162	
p-Terphenyl-d14	112	34-148		Phenol-d6	92	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-413-72**	**N/A**	**Solid**	**GC/MS N**	**12/12/07**	**12/13/07**	**071212L06**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
1-Methylnaphthalene	ND	10	1		Benzo (b) Fluoranthene	ND	10	1	
2,4,5-Trichlorophenol	ND	10	1		Benzo (g,h,i) Perylene	ND	10	1	
2,4,6-Trichlorophenol	ND	10	1		Benzo (k) Fluoranthene	ND	10	1	
2,4-Dichlorophenol	ND	10	1		Bis(2-Ethylhexyl) Phthalate	ND	10	1	
2,4-Dimethylphenol	ND	10	1		Butyl Benzyl Phthalate	ND	10	1	
2,4-Dinitrophenol	ND	500	1		Chrysene	ND	10	1	
2-Chlorophenol	ND	10	1		Di-n-Butyl Phthalate	ND	10	1	
2-Methylnaphthalene	ND	10	1		Di-n-Octyl Phthalate	ND	10	1	
2-Methylphenol	ND	10	1		Dibenz (a,h) Anthracene	ND	10	1	
2-Nitrophenol	ND	10	1		Diethyl Phthalate	ND	10	1	
3/4-Methylphenol	ND	10	1		Dimethyl Phthalate	ND	10	1	
4,6-Dinitro-2-Methylphenol	ND	500	1		Fluoranthene	ND	10	1	
4-Chloro-3-Methylphenol	ND	10	1		Fluorene	ND	10	1	
4-Nitrophenol	ND	500	1		Indeno (1,2,3-c,d) Pyrene	ND	10	1	
Acenaphthene	ND	10	1		Naphthalene	ND	10	1	
Acenaphthylene	ND	10	1		Pentachlorophenol	ND	500	1	
Anthracene	ND	10	1		Phenanthrene	ND	10	1	
Benzo (a) Anthracene	ND	10	1		Phenol	ND	10	1	
Benzo (a) Pyrene	ND	10	1		Pyrene	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,6-Tribromophenol	50	32-143		2-Fluorobiphenyl	82	14-146	
2-Fluorophenol	111	15-138		Nitrobenzene-d5	115	18-162	
p-Terphenyl-d14	71	34-148		Phenol-d6	85	17-141	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.6	1		4,4'-DDT	3.6	1.6	1	
Alpha-BHC	ND	1.6	1		Endosulfan I	ND	1.6	1	
Beta-BHC	ND	1.6	1		Endosulfan II	ND	1.6	1	
Delta-BHC	ND	1.6	1		Endosulfan Sulfate	ND	1.6	1	
Gamma-BHC	ND	1.6	1		Endrin	ND	1.6	1	
Chlordane	ND	16	1		Endrin Aldehyde	ND	1.6	1	
Dieldrin	ND	1.6	1		Endrin Ketone	ND	1.6	1	
2,4'-DDD	ND	1.6	1		Heptachlor	ND	1.6	1	
2,4'-DDE	ND	1.6	1		Heptachlor Epoxide	ND	1.6	1	
2,4'-DDT	ND	1.6	1		Methoxychlor	ND	1.6	1	
4,4'-DDD	1.9	1.6	1		Toxaphene	ND	32	1	
4,4'-DDE	16	8.1	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	75	50-130		Decachlorobiphenyl	73	50-130	

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.5	1		4,4'-DDT	ND	1.5	1	
Alpha-BHC	ND	1.5	1		Endosulfan I	ND	1.5	1	
Beta-BHC	ND	1.5	1		Endosulfan II	ND	1.5	1	
Delta-BHC	ND	1.5	1		Endosulfan Sulfate	ND	1.5	1	
Gamma-BHC	ND	1.5	1		Endrin	ND	1.5	1	
Chlordane	ND	15	1		Endrin Aldehyde	ND	1.5	1	
Dieldrin	ND	1.5	1		Endrin Ketone	ND	1.5	1	
2,4'-DDD	ND	1.5	1		Heptachlor	ND	1.5	1	
2,4'-DDE	ND	1.5	1		Heptachlor Epoxide	ND	1.5	1	
2,4'-DDT	ND	1.5	1		Methoxychlor	ND	1.5	1	
4,4'-DDD	ND	1.5	1		Toxaphene	ND	30	1	
4,4'-DDE	12	1.5	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	83	50-130		Decachlorobiphenyl	76	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.6	1		4,4'-DDT	ND	1.6	1	
Alpha-BHC	ND	1.6	1		Endosulfan I	ND	1.6	1	
Beta-BHC	ND	1.6	1		Endosulfan II	ND	1.6	1	
Delta-BHC	ND	1.6	1		Endosulfan Sulfate	ND	1.6	1	
Gamma-BHC	ND	1.6	1		Endrin	ND	1.6	1	
Chlordane	ND	16	1		Endrin Aldehyde	ND	1.6	1	
Dieldrin	ND	1.6	1		Endrin Ketone	ND	1.6	1	
2,4'-DDD	ND	1.6	1		Heptachlor	ND	1.6	1	
2,4'-DDE	ND	1.6	1		Heptachlor Epoxide	ND	1.6	1	
2,4'-DDT	ND	1.6	1		Methoxychlor	ND	1.6	1	
4,4'-DDD	1.6	1.6	1		Toxaphene	ND	31	1	
4,4'-DDE	7.5	1.6	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	68	50-130		Decachlorobiphenyl	58	50-130	

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.5	1		4,4'-DDT	12	1.5	1	
Alpha-BHC	ND	1.5	1		Endosulfan I	ND	1.5	1	
Beta-BHC	ND	1.5	1		Endosulfan II	ND	1.5	1	
Delta-BHC	ND	1.5	1		Endosulfan Sulfate	ND	1.5	1	
Gamma-BHC	ND	1.5	1		Endrin	ND	1.5	1	
Chlordane	ND	15	1		Endrin Aldehyde	ND	1.5	1	
Dieldrin	ND	1.5	1		Endrin Ketone	ND	1.5	1	
2,4'-DDD	ND	1.5	1		Heptachlor	ND	1.5	1	
2,4'-DDE	ND	1.5	1		Heptachlor Epoxide	ND	1.5	1	
2,4'-DDT	ND	1.5	1		Methoxychlor	ND	1.5	1	
4,4'-DDD	18	7.7	5		Toxaphene	ND	31	1	
4,4'-DDE	22	7.7	5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	93	50-130		Decachlorobiphenyl	85	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	1.7	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	12	2.8	2						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	59	50-130		Decachlorobiphenyl	59	50-130	

2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.6	1		4,4'-DDT	ND	1.6	1	
Alpha-BHC	ND	1.6	1		Endosulfan I	ND	1.6	1	
Beta-BHC	ND	1.6	1		Endosulfan II	ND	1.6	1	
Delta-BHC	ND	1.6	1		Endosulfan Sulfate	ND	1.6	1	
Gamma-BHC	ND	1.6	1		Endrin	ND	1.6	1	
Chlordane	ND	16	1		Endrin Aldehyde	ND	1.6	1	
Dieldrin	ND	1.6	1		Endrin Ketone	ND	1.6	1	
2,4'-DDD	ND	1.6	1		Heptachlor	ND	1.6	1	
2,4'-DDE	ND	1.6	1		Heptachlor Epoxide	ND	1.6	1	
2,4'-DDT	ND	1.6	1		Methoxychlor	ND	1.6	1	
4,4'-DDD	ND	1.6	1		Toxaphene	ND	31	1	
4,4'-DDE	44	16	10						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	79	50-130		Decachlorobiphenyl	86	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	ND	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	71	50-130		Decachlorobiphenyl	66	50-130	

B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.4	1		4,4'-DDT	ND	1.4	1	
Alpha-BHC	ND	1.4	1		Endosulfan I	ND	1.4	1	
Beta-BHC	ND	1.4	1		Endosulfan II	ND	1.4	1	
Delta-BHC	ND	1.4	1		Endosulfan Sulfate	ND	1.4	1	
Gamma-BHC	ND	1.4	1		Endrin	ND	1.4	1	
Chlordane	ND	14	1		Endrin Aldehyde	ND	1.4	1	
Dieldrin	ND	1.4	1		Endrin Ketone	ND	1.4	1	
2,4'-DDD	ND	1.4	1		Heptachlor	ND	1.4	1	
2,4'-DDE	ND	1.4	1		Heptachlor Epoxide	ND	1.4	1	
2,4'-DDT	ND	1.4	1		Methoxychlor	ND	1.4	1	
4,4'-DDD	ND	1.4	1		Toxaphene	ND	28	1	
4,4'-DDE	ND	1.4	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	62	50-130		Decachlorobiphenyl	56	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8081A
		Units:	ug/kg

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-563-18**	**N/A**	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aldrin	ND	1.0	1		4,4'-DDT	ND	1.0	1	
Alpha-BHC	ND	1.0	1		Endosulfan I	ND	1.0	1	
Beta-BHC	ND	1.0	1		Endosulfan II	ND	1.0	1	
Delta-BHC	ND	1.0	1		Endosulfan Sulfate	ND	1.0	1	
Gamma-BHC	ND	1.0	1		Endrin	ND	1.0	1	
Chlordane	ND	10	1		Endrin Aldehyde	ND	1.0	1	
Dieldrin	ND	1.0	1		Endrin Ketone	ND	1.0	1	
2,4'-DDD	ND	1.0	1		Heptachlor	ND	1.0	1	
2,4'-DDE	ND	1.0	1		Heptachlor Epoxide	ND	1.0	1	
2,4'-DDT	ND	1.0	1		Methoxychlor	ND	1.0	1	
4,4'-DDD	ND	1.0	1		Toxaphene	ND	20	1	
4,4'-DDE	ND	1.0	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	111	50-130		Decachlorobiphenyl	102	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 1 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-1	**07-12-0674-1-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	16	1		Aroclor-1248	ND	16	1	
Aroclor-1221	ND	16	1		Aroclor-1254	81	16	1	
Aroclor-1232	ND	16	1		Aroclor-1260	ND	16	1	
Aroclor-1242	ND	16	1		Aroclor-1262	ND	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	74	50-130		Decachlorobiphenyl	101	50-130	

2-2	**07-12-0674-2-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	15	1		Aroclor-1248	ND	15	1	
Aroclor-1221	ND	15	1		Aroclor-1254	34	15	1	
Aroclor-1232	ND	15	1		Aroclor-1260	ND	15	1	
Aroclor-1242	ND	15	1		Aroclor-1262	ND	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	68	50-130		Decachlorobiphenyl	91	50-130	

2-3	**07-12-0674-3-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	16	1		Aroclor-1248	ND	16	1	
Aroclor-1221	ND	16	1		Aroclor-1254	27	16	1	
Aroclor-1232	ND	16	1		Aroclor-1260	ND	16	1	
Aroclor-1242	ND	16	1		Aroclor-1262	ND	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	65	50-130		Decachlorobiphenyl	70	50-130	

2-4	**07-12-0674-4-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	15	1		Aroclor-1248	ND	15	1	
Aroclor-1221	ND	15	1		Aroclor-1254	210	15	1	
Aroclor-1232	ND	15	1		Aroclor-1260	ND	15	1	
Aroclor-1242	ND	15	1		Aroclor-1262	ND	15	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	84	50-130		Decachlorobiphenyl	106	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 2 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
2-5	**07-12-0674-5-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	50	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	61	50-130		Decachlorobiphenyl	89	50-130	

2-6	**07-12-0674-6-A**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	16	1		Aroclor-1248	ND	16	1	
Aroclor-1221	ND	16	1		Aroclor-1254	120	16	1	
Aroclor-1232	ND	16	1		Aroclor-1260	ND	16	1	
Aroclor-1242	ND	16	1		Aroclor-1262	ND	16	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	71	50-130		Decachlorobiphenyl	76	50-130	

B1-A Lower	**07-12-0674-7-C**	**10/29/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	ND	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	67	50-130		Decachlorobiphenyl	64	50-130	

B2-A Lower	**07-12-0674-8-C**	**10/30/07**	**Solid**	**GC 16**	**12/13/07**	**12/13/07**	**071212L05**

Comment(s): -Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	14	1		Aroclor-1248	ND	14	1	
Aroclor-1221	ND	14	1		Aroclor-1254	ND	14	1	
Aroclor-1232	ND	14	1		Aroclor-1260	ND	14	1	
Aroclor-1242	ND	14	1		Aroclor-1262	ND	14	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	52	50-130		Decachlorobiphenyl	60	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC		Date Received:	12/07/07
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082
		Units:	ug/kg
Project: POLA B145 - 7151000604			Page 3 of 3

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-12-565-31**	**N/A**	**Solid**	**GC 16**	**12/12/07**	**12/13/07**	**071212L05**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Aroclor-1016	ND	10	1		Aroclor-1248	ND	10	1	
Aroclor-1221	ND	10	1		Aroclor-1254	ND	10	1	
Aroclor-1232	ND	10	1		Aroclor-1260	ND	10	1	
Aroclor-1242	ND	10	1		Aroclor-1262	ND	10	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
2,4,5,6-Tetrachloro-m-Xylene	82	50-130		Decachlorobiphenyl	104	50-130	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 12/07/07
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
2-1	**07-12-0674-1**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	2.6	0.16	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.16	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.9	0.081	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	61.9	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	16	0.16	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

2-2	**07-12-0674-2**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	8.8	0.15	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.15	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.3	0.076	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	65.8	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	20	0.15	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

2-3	**07-12-0674-3**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	1.7	0.16	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.16	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.6	0.078	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	64.3	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	22	0.16	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 12/07/07
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
2-4	**07-12-0674-4**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	49	1.5	2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.15	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.6	0.077	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	65.1	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	26	0.15	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

2-5	**07-12-0674-5**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	24	1.4	2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	0.68	0.070	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	71.7	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	6.2	0.14	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

2-6	**07-12-0674-6**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	97	1.6	2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.16	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.9	0.078	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	63.9	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	27	0.16	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

ACCREDITED IN ACCORDANCE WITH nelac

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 12/07/07
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Client Sample Number	Lab Sample Number	Date Collected	Matrix
B1-A Lower	**07-12-0674-7**	**10/29/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	5.9	0.14	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.5	0.070	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	71.2	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	23	0.14	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

B2-A Lower	**07-12-0674-8**	**10/30/07**	**Solid**

Comment(s): (9) Results are reported on a dry weight basis.

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total (9)	1.1	0.14	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved (9)	ND	0.14	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic (9)	1.3	0.069	1		%	N/A	12/12/07	EPA 9060A
Solids, Total	72.5	0.100	1		%	N/A	12/13/07	SM 2540 B
Ammonia (as N) (9)	21	0.14	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

Method Blank	**N/A**	**Solid**

Parameter	Result	RL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfide, Total	ND	0.10	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Sulfide, Dissolved	ND	0.10	0.2		mg/kg	12/13/07	12/13/07	EPA 376.2M
Carbon, Total Organic	ND	0.050	1		%	N/A	12/12/07	EPA 9060A
Ammonia (as N)	ND	0.10	0.5		mg/kg	12/12/07	12/13/07	SM 4500-NH3 B/E (M)

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	12/07/07
Work Order No:	07-12-0674
Preparation:	EPA 3050B
Method:	EPA 6020

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	101	105	80-120	3	0-20	
Cadmium	101	103	80-120	2	0-20	
Chromium	105	113	80-120	4	0-20	
Copper	97	102	80-120	2	0-20	
Lead	100	99	80-120	1	0-20	
Nickel	96	104	80-120	5	0-20	
Selenium	96	98	80-120	2	0-20	
Silver	104	104	80-120	1	0-20	
Zinc	12	24	80-120	4	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	12/07/07
Work Order No:	07-12-0674
Preparation:	Extraction
Method:	EPA 418.1M

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	82	86	55-135	4	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	12/07/07
Work Order No:	07-12-0674
Preparation:	EPA 7471A Total
Method:	EPA 7471A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	79	80	76-136	1	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 12/07/07
Work Order No: 07-12-0674
Preparation: EPA 3545
Method: Organotins by Krone et al.

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	105	97	50-130	8	0-20	
Tributyltin	139	130	50-130	6	0-20	3

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: 12/07/07
Work Order No: 07-12-0674
Preparation: EPA 3545
Method: EPA 8270C SIM

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212S06**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	105	106	40-160	1	0-20	
2,4-Dichlorophenol	105	109	40-160	3	0-20	
2-Methylphenol	119	122	40-160	3	0-20	
2-Nitrophenol	116	114	40-160	1	0-20	
4-Chloro-3-Methylphenol	137	141	40-160	3	0-20	
Acenaphthene	123	126	40-106	2	0-20	3
Benzo (a) Pyrene	94	96	17-163	2	0-20	
Chrysene	47	46	17-168	0	0-20	
Di-n-Butyl Phthalate	139	139	40-160	0	0-20	
Dimethyl Phthalate	121	120	40-160	1	0-20	
Fluoranthene	126	123	26-137	2	0-20	
Fluorene	118	115	59-121	3	0-20	
N-Nitrosodimethylamine	184	193	40-160	5	0-20	3
Naphthalene	126	127	21-133	1	0-20	
Phenanthrene	117	118	54-120	1	0-20	
Phenol	122	127	40-160	4	0-20	
Pyrene	127	128	6-156	1	0-46	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	12/07/07
Work Order No:	07-12-0674
Preparation:	EPA 3545
Method:	EPA 8081A

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212S03**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	47	57	50-135	20	0-25	3
Alpha-BHC	50	58	50-135	15	0-25	
Beta-BHC	46	55	50-135	19	0-25	3
Delta-BHC	62	77	50-135	22	0-25	
Gamma-BHC	46	57	50-135	21	0-25	3
Dieldrin	48	57	50-135	18	0-25	3
4,4'-DDD	74	87	50-135	16	0-25	
4,4'-DDE	68	84	50-135	21	0-25	
4,4'-DDT	12	17	50-135	39	0-25	3,4
Endosulfan I	40	49	50-135	19	0-25	3
Endosulfan II	47	57	50-135	18	0-25	3
Endosulfan Sulfate	46	56	50-135	19	0-25	3
Endrin	53	61	50-135	14	0-25	
Endrin Aldehyde	62	66	50-135	6	0-25	
Endrin Ketone	33	40	50-135	18	0-25	3
Heptachlor	40	50	50-135	20	0-25	3
Heptachlor Epoxide	48	59	50-135	19	0-25	3
Methoxychlor	19	26	50-135	31	0-25	3,4

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received:	12/07/07
Work Order No:	07-12-0674
Preparation:	EPA 3545
Method:	EPA 8082

Project POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B1-A Lower	**Solid**	**GC 16**	**12/12/07**	**12/13/07**	**071212S05**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	67	66	50-135	2	0-25	
Aroclor-1260	92	78	50-135	16	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Carbon, Total Organic	EPA 9060A	B1-A Lower	12/12/07	N/A	104	98	75-125	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Matrix: Solid

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Sulfide, Total	EPA 376.2M	B1-A Lower	12/13/07	5.9	6.0	1	0-25	
Sulfide, Dissolved	EPA 376.2M	B1-A Lower	12/13/07	ND	ND	NA	0-25	
Ammonia (as N)	SM 4500-NH3 B/E (M)	B1-A Lower	12/13/07	23	22	1	0-25	
Solids, Total	SM 2540 B	B1-A Lower	12/13/07	71.2	71.1	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3050B
		Method:	EPA 6020

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
096-10-002-996	**Solid**	**ICP/MS A**	**12/11/07**	**12/11/07**	**071211L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Arsenic	100	100	80-120	0	0-20	
Cadmium	101	103	80-120	2	0-20	
Chromium	103	100	80-120	3	0-20	
Copper	98	98	80-120	0	0-20	
Lead	99	101	80-120	1	0-20	
Nickel	99	99	80-120	0	0-20	
Selenium	96	96	80-120	1	0-20	
Silver	102	103	80-120	1	0-20	
Zinc	102	101	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	Extraction
		Method:	EPA 418.1M

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-015-1,272	**Solid**	**IR #1**	**12/12/07**	**12/12/07**	**071212L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
TRPH	89	90	70-130	1	0-30	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 7471A Total
		Method:	EPA 7471A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-452-53	**Solid**	**Mercury**	**12/11/07**	**12/11/07**	**071211L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Mercury	96	96	82-124	0	0-16	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	Organotins by Krone et al.

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-07-016-506	**Solid**	**GC/MS Y**	**12/12/07**	**12/18/07**	**071212L04**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Tetrabutyltin	87	86	50-130	0	0-20	
Tributyltin	80	80	50-130	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8270C SIM

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-413-72	**Solid**	**GC/MS N**	**12/12/07**	**12/14/07**	**071212L06**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
2,4,6-Trichlorophenol	70	70	40-160	0	0-20	
2,4-Dichlorophenol	68	70	40-160	2	0-20	
2-Methylphenol	75	73	40-160	2	0-20	
2-Nitrophenol	81	80	40-160	2	0-20	
4-Chloro-3-Methylphenol	88	89	40-160	1	0-20	
Acenaphthene	81	81	48-108	0	0-11	
Benzo (a) Pyrene	69	68	17-163	1	0-20	
Chrysene	30	30	17-168	0	0-20	
Di-n-Butyl Phthalate	84	83	40-160	2	0-20	
Dimethyl Phthalate	86	86	40-160	1	0-20	
Fluoranthene	77	76	26-137	1	0-20	
Fluorene	86	88	59-121	3	0-20	
N-Nitrosodimethylamine	161	158	40-160	2	0-20	X
Naphthalene	80	81	21-133	1	0-20	
Phenanthrene	77	77	54-120	1	0-20	
Phenol	83	82	40-160	2	0-20	
Pyrene	79	81	28-106	1	0-16	

Note "X" : The percent recovery is above acceptable control limits. The samples and method blank associated with this batch are non-detect, and therefore, the results have been reported without further clarification.

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-12-0674
Preparation: EPA 3545
Method: EPA 8081A

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-563-18	**Solid**	**GC 41**	**12/12/07**	**12/13/07**	**071212L03**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aldrin	88	90	50-135	3	0-25	
Alpha-BHC	90	93	50-135	2	0-25	
Beta-BHC	86	87	50-135	1	0-25	
Delta-BHC	87	89	50-135	3	0-25	
Gamma-BHC	90	92	50-135	2	0-25	
Dieldrin	85	87	50-135	3	0-25	
4,4'-DDD	80	89	50-135	10	0-25	
4,4'-DDE	73	75	50-135	4	0-25	
4,4'-DDT	85	89	50-135	5	0-25	
Endosulfan I	91	95	50-135	4	0-25	
Endosulfan II	84	89	50-135	6	0-25	
Endosulfan Sulfate	88	90	50-135	2	0-25	
Endrin	71	73	50-135	3	0-25	
Endrin Aldehyde	99	102	50-135	3	0-25	
Endrin Ketone	91	93	50-135	2	0-25	
Heptachlor	88	90	50-135	3	0-25	
Heptachlor Epoxide	86	88	50-135	3	0-25	
Methoxychlor	79	82	50-135	4	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

AMEC		Date Received:	N/A
9210 Sky Park Court, Suite 200		Work Order No:	07-12-0674
San Diego, CA 92123-4302		Preparation:	EPA 3545
		Method:	EPA 8082

Project: POLA B145 - 7151000604

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-565-31	**Solid**	**GC 16**	**12/12/07**	**12/13/07**	**071212L05**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Aroclor-1016	59	59	50-135	0	0-25	
Aroclor-1260	79	83	50-135	5	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

AMEC
9210 Sky Park Court, Suite 200
San Diego, CA 92123-4302

Date Received: N/A
Work Order No: 07-12-0674

Project: POLA B145 - 7151000604

Matrix : Solid

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Carbon, Total Organic	EPA 9060A	099-06-013-272	12/12/07	N/A	6000	5770	96	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-12-0674

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

CALSCIENCE ENVIRONMENTAL LABORATORIES, INC.
7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1427
TEL: (714) 895-5494 • FAX: (714) 894-7501

CHAIN OF CUSTODY RECORD

Date 12/7/07

Page 1 of 1

LABORATORY CLIENT: AMEC

ADDRESS: 9210 Sky Park Ct

CITY: San Diego STATE: CA ZIP: 92123

TEL: 858-300-4321 E-MAIL: nicholas.buhbe@amec.com

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING FORMS ☐ COELT EDF ☐

SPECIAL INSTRUCTIONS:
* metals = As, cd, Cr, Cu, Pb, Hg, Ni, Se, Ag, Zn
Samples submitted frozen (since 10/30/07)
Please deliver report as PDF & EDD

CLIENT PROJECT NAME / NUMBER: POLA B145-7151000604

P.O. NO.:

PROJECT CONTACT: Nick Buhbe

LAB USE ONLY: 12-0674

SAMPLER(S): (PRINT) "

COELT LOG CODE

COOLER RECEIPT TEMP = °C

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	~~TPH(G)~~ TRPH	~~TPH(D) or~~ Organotins	BTEX / MTBE (8260B) or	OXYGENATES (8260B)	VOCs (8260B)	5035 ENCORE PREP	SVOCs (8270C) PAHs, Phenols, phthalates	PEST (8081A)	PCBs (8082)	CAC, T22 METALS (6010B) / 747	PNAs (8310) or (8270C)	VOCs (TO-14A) or (TO-15)	TPH(G) (TO-3M)	Metals *	TOC, Ammonia	Total + Soluble Sulfides	Total Solids
1	2-1		10/29/07	–	SED	1	X	X					X	X	X					X	X	X	X
2	2-2			–																			
3	2-3			–																			
4	2-4			–																			
5	2-5			–																			
6	2-6			–																			
7	B1-A Lower		10/29/07	–		2																	
8	B2-A Lower		10/30/07	–		2																	

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
[signature]	[signature] CEL	12-7-7	1320
[signature]	[signature]	12-7-7	1550

DISTRIBUTION: White with final report, Green and Yellow to Client.
Please note that pages 1 and 2 of 2 of our T/Cs are printed on the reverse side of the Green and Yellow copies respectively.

05/10/06 Revision

Q&Q Graphic 714-898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 0 7 - 1 2 - 0 6 7 4

Cooler 1 **of** 1

SAMPLE RECEIPT FORM

CLIENT: Amec **DATE:** 12-7-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ✓ Chilled, cooler with temperature blank provided.
- ___ Chilled, cooler without temperature blank.
- ___ Chilled and placed in cooler with wet ice.
- ___ Ambient and placed in cooler with wet ice.
- ___ Ambient temperature.

3.8 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ___ °C Temperature blank.
- ___ °C IR thermometer.
- ___ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ___ Cooler: ___ No (Not Intact) : ___ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.			✓
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

PTS Laboratories, Inc.

Calscience
PTS File No: 37948

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME: N/A
PROJECT NO: 07-11-0072

Sample ID	Depth, ft.	Mean Grain Size Description (1)	Median Grain Size mm	Particle Size Distribution, wt. percent						Silt & Clay
				Gravel	Sand Size			Silt	Clay	
					Coarse	Medium	Fine			
1-C	N/A	Silt	0.011	0.00	0.00	0.00	5.15	66.10	28.75	94.85
2-C	N/A	Silt	0.016	0.00	0.00	0.00	18.55	58.18	23.27	81.45
L-C	N/A	Silt	0.024	0.00	0.00	4.52	24.99	50.84	19.65	70.48
U-C	N/A	Fine sand	0.083	0.00	0.00	7.12	44.99	37.28	10.61	47.89
REF	N/A	Fine sand	0.084	0.00	0.00	0.00	58.21	34.39	7.40	41.79

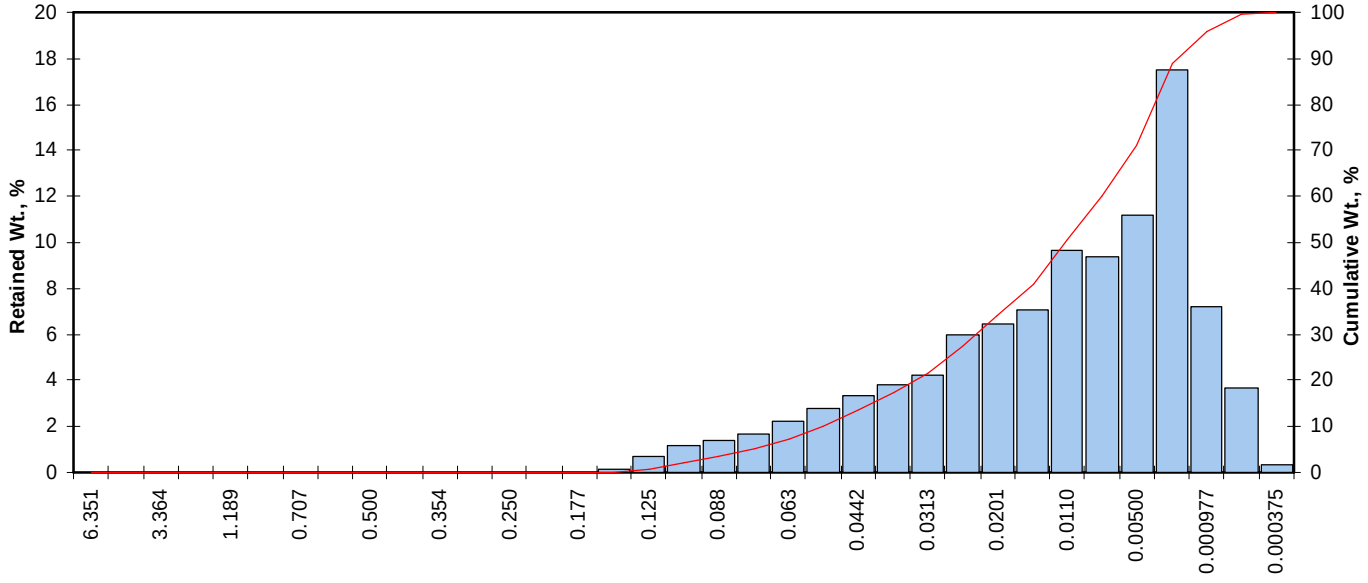
(1) Based on Mean from Trask

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Calscience	**PTS File No:**	37948
Project:	N/A	**Sample ID:**	1-C
Project No:	07-11-0072	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.00	0.00	0.00
0.0083	0.210	2.25	70	0.00	0.00	0.00
0.0070	0.177	2.50	80	0.00	0.00	0.00
0.0059	0.149	2.75	100	0.13	0.13	0.13
0.0049	0.125	3.00	120	0.70	0.70	0.83
0.0041	0.105	3.25	140	1.21	1.21	2.04
0.0035	0.088	3.50	170	1.42	1.42	3.46
0.0029	0.074	3.75	200	1.69	1.69	5.15
0.0025	0.063	4.00	230	2.19	2.19	7.34
0.0021	0.053	4.25	270	2.78	2.78	10.12
0.00174	0.0442	4.50	325	3.34	3.34	13.46
0.00146	0.0372	4.75	400	3.80	3.80	17.25
0.00123	0.0313	5.00	450	4.26	4.26	21.51
0.000986	0.0250	5.32	500	6.01	6.01	27.52
0.000790	0.0201	5.64	635	6.43	6.43	33.94
0.000615	0.0156	6.00		7.12	7.12	41.06
0.000435	0.0110	6.50		9.63	9.62	50.69
0.000308	0.00781	7.00		9.37	9.37	60.05
0.000197	0.00500	7.65		11.20	11.19	71.25
0.000077	0.00195	9.00		17.50	17.49	88.74
0.000038	0.000977	10.00		7.25	7.25	95.98
0.000019	0.000488	11.00		3.65	3.65	99.63
0.000015	0.000375	11.38		0.37	0.37	100.00
TOTALS				**100.10**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	3.73	0.0030	0.075
10	4.24	0.0021	0.053
16	4.67	0.0015	0.039
25	5.19	0.0011	0.027
40	5.95	0.0006	0.016
50	6.46	0.0004	0.011
60	7.00	0.0003	0.008
75	7.94	0.0002	0.004
84	8.63	0.0001	0.003
90	9.17	0.0001	0.002
95	9.86	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	6.46	6.46	6.46
Median, in.	0.0004	0.0004	0.0004
Median, mm	0.011	0.011	0.011
Mean, phi	5.99	6.65	6.59
Mean, in.	0.0006	0.0004	0.0004
Mean, mm	0.016	0.010	0.010
Sorting	2.594	1.983	1.921
Skewness	0.935	0.094	0.101
Kurtosis	0.228	0.547	0.915
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

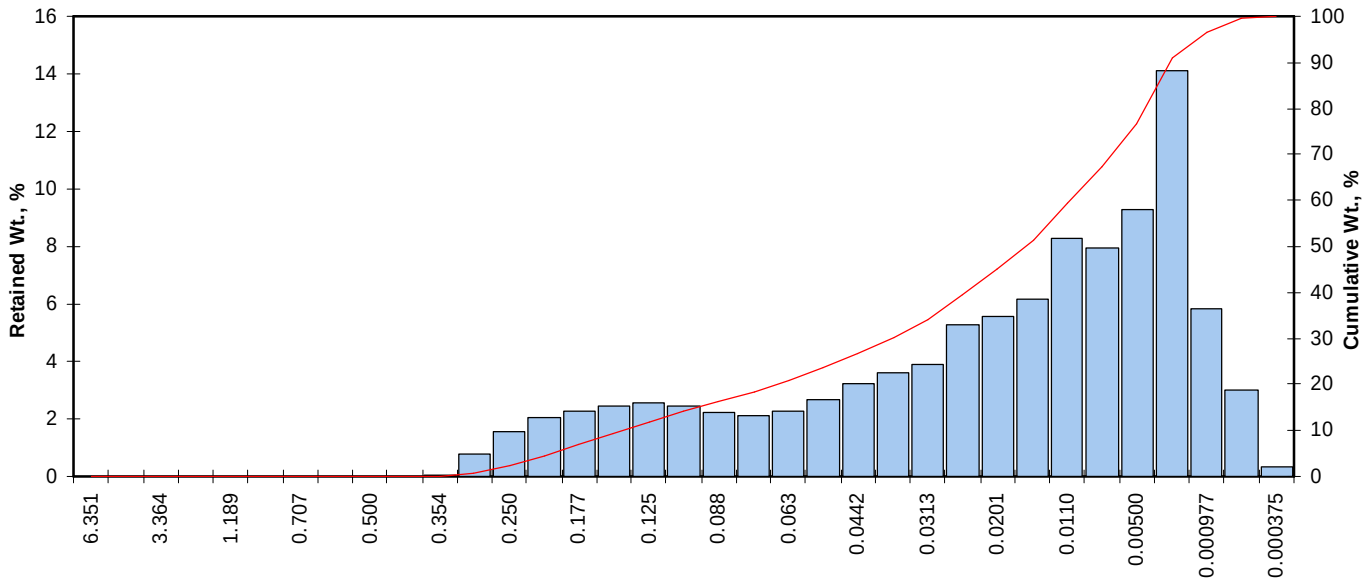
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	5.15
Silt	>0.005 mm	66.10
Clay	<0.005 mm	28.75
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Calscience	**PTS File No:**	37948
Project:	N/A	**Sample ID:**	2-C
Project No:	07-11-0072	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.07	0.07	0.08
0.0117	0.297	1.75	50	0.79	0.79	0.87
0.0098	0.250	2.00	60	1.58	1.58	2.45
0.0083	0.210	2.25	70	2.07	2.07	4.52
0.0070	0.177	2.50	80	2.27	2.27	6.78
0.0059	0.149	2.75	100	2.46	2.46	9.24
0.0049	0.125	3.00	120	2.53	2.53	11.77
0.0041	0.105	3.25	140	2.42	2.42	14.19
0.0035	0.088	3.50	170	2.23	2.23	16.42
0.0029	0.074	3.75	200	2.13	2.13	18.55
0.0025	0.063	4.00	230	2.28	2.28	20.83
0.0021	0.053	4.25	270	2.68	2.68	23.51
0.00174	0.0442	4.50	325	3.22	3.22	26.73
0.00146	0.0372	4.75	400	3.60	3.60	30.33
0.00123	0.0313	5.00	450	3.87	3.87	34.20
0.000986	0.0250	5.32	500	5.27	5.27	39.47
0.000790	0.0201	5.64	635	5.58	5.58	45.05
0.000615	0.0156	6.00		6.17	6.17	51.22
0.000435	0.0110	6.50		8.30	8.30	59.52
0.000308	0.00781	7.00		7.96	7.96	67.48
0.000197	0.00500	7.65		9.26	9.26	76.73
0.000077	0.00195	9.00		14.10	14.10	90.83
0.000038	0.000977	10.00		5.84	5.84	96.67
0.000019	0.000488	11.00		3.02	3.02	99.69
0.000015	0.000375	11.38		0.31	0.31	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.30	0.0080	0.203
10	2.82	0.0056	0.141
16	3.45	0.0036	0.091
25	4.37	0.0019	0.049
40	5.35	0.0010	0.025
50	5.93	0.0006	0.016
60	6.53	0.0004	0.011
75	7.52	0.0002	0.005
84	8.34	0.0001	0.003
90	8.92	0.0001	0.002
95	9.71	0.0000	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.93	5.93	5.93
Median, in.	0.0006	0.0006	0.0006
Median, mm	0.016	0.016	0.016
Mean, phi	5.21	5.90	5.91
Mean, in.	0.0011	0.0007	0.0007
Mean, mm	0.027	0.017	0.017
Sorting	2.988	2.445	2.346
Skewness	0.989	-0.013	0.004
Kurtosis	0.155	0.515	0.962
Grain Size Description (ASTM-USCS Scale)		Silt (based on Mean from Trask)	

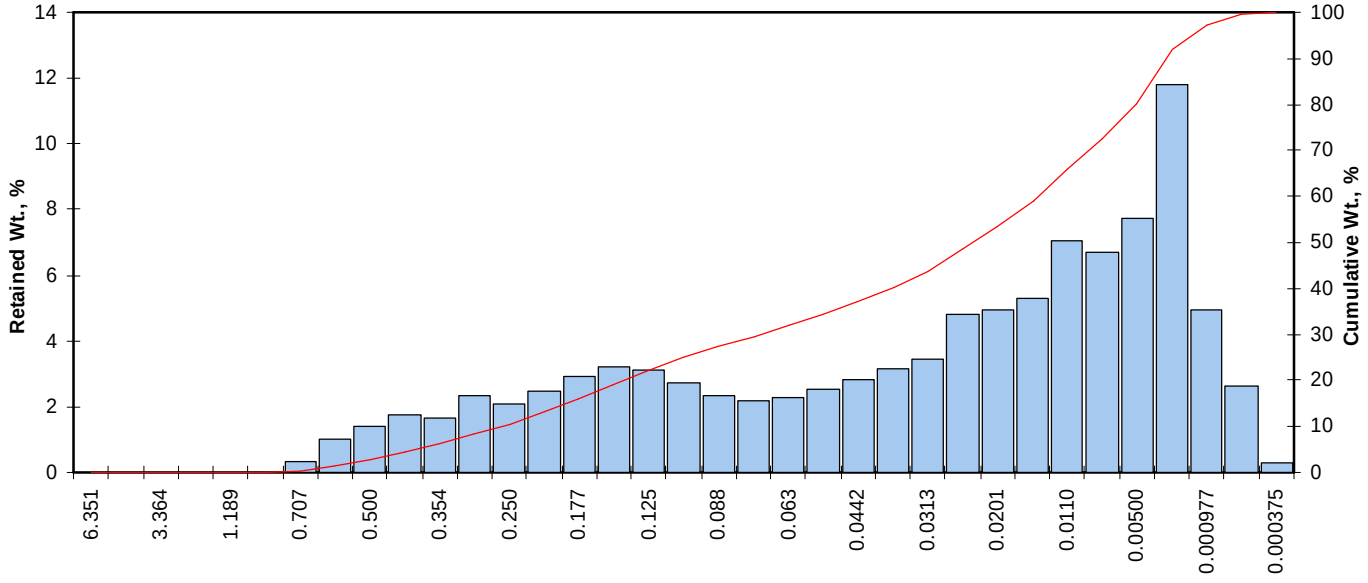
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	18.55
Silt	>0.005 mm	58.18
Clay	<0.005 mm	23.27
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Calscience	**PTS File No:**	37947
Project:	N/A	**Sample ID:**	L-C
Project No:	07-11-0373	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.02	0.02	0.02
0.0278	0.707	0.50	25	0.35	0.35	0.37
0.0234	0.595	0.75	30	1.00	1.00	1.37
0.0197	0.500	1.00	35	1.39	1.39	2.76
0.0166	0.420	1.25	40	1.76	1.76	4.52
0.0139	0.354	1.50	45	1.63	1.63	6.15
0.0117	0.297	1.75	50	2.31	2.31	8.46
0.0098	0.250	2.00	60	2.10	2.10	10.56
0.0083	0.210	2.25	70	2.47	2.47	13.03
0.0070	0.177	2.50	80	2.93	2.93	15.96
0.0059	0.149	2.75	100	3.22	3.22	19.18
0.0049	0.125	3.00	120	3.11	3.11	22.29
0.0041	0.105	3.25	140	2.71	2.71	25.00
0.0035	0.088	3.50	170	2.33	2.33	27.33
0.0029	0.074	3.75	200	2.19	2.19	29.52
0.0025	0.063	4.00	230	2.30	2.30	31.82
0.0021	0.053	4.25	270	2.54	2.54	34.36
0.00174	0.0442	4.50	325	2.84	2.84	37.20
0.00146	0.0372	4.75	400	3.14	3.14	40.33
0.00123	0.0313	5.00	450	3.47	3.47	43.80
0.000986	0.0250	5.32	500	4.79	4.79	48.59
0.000790	0.0201	5.64	635	4.95	4.95	53.54
0.000615	0.0156	6.00		5.32	5.32	58.86
0.000435	0.0110	6.50		7.05	7.05	65.91
0.000308	0.00781	7.00		6.70	6.70	72.61
0.000197	0.00500	7.65		7.75	7.75	80.35
0.000077	0.00195	9.00		11.80	11.80	92.15
0.000038	0.000977	10.00		4.97	4.97	97.12
0.000019	0.000488	11.00		2.61	2.61	99.73
0.000015	0.000375	11.38		0.27	0.27	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than

Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	1.32	0.0157	0.400
10	1.93	0.0103	0.262
16	2.50	0.0069	0.176
25	3.25	0.0041	0.105
40	4.72	0.0015	0.038
50	5.41	0.0009	0.024
60	6.08	0.0006	0.015
75	7.20	0.0003	0.007
84	8.06	0.0001	0.004
90	8.75	0.0001	0.002
95	9.57	0.0001	0.001

Measure	Trask	Inman	Folk-Ward
Median, phi	5.41	5.41	5.41
Median, in.	0.0009	0.0009	0.0009
Median, mm	0.024	0.024	0.024
Mean, phi	4.16	5.28	5.33
Mean, in.	0.0022	0.0010	0.0010
Mean, mm	0.056	0.026	0.025
Sorting	3.930	2.780	2.640
Skewness	1.138	-0.046	-0.018
Kurtosis	0.189	0.484	0.856

Grain Size Description (ASTM-USCS Scale)	Silt (based on Mean from Trask)

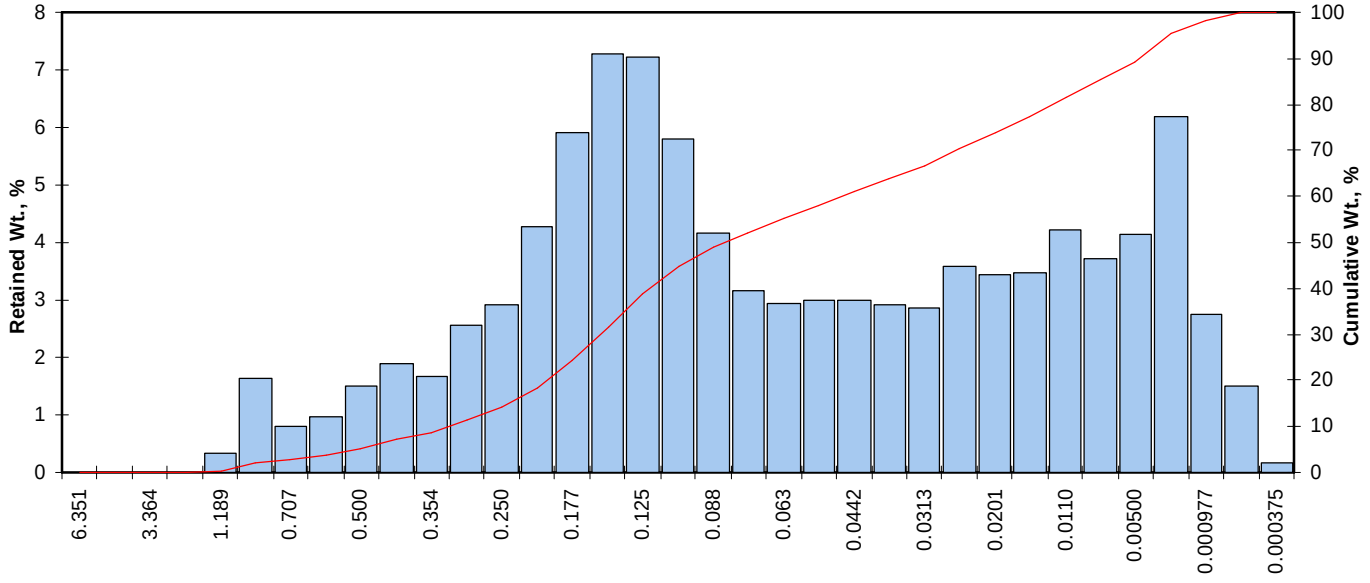
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	4.52
Fine Sand	200	24.99
Silt	>0.005 mm	50.84
Clay	<0.005 mm	19.65
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Calscience	**PTS File No:**	37947
Project:	N/A	**Sample ID:**	U-C
Project No:	07-11-0373	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.33	0.33	0.33
0.0331	0.841	0.25	20	1.63	1.63	1.96
0.0278	0.707	0.50	25	0.81	0.81	2.77
0.0234	0.595	0.75	30	0.98	0.98	3.75
0.0197	0.500	1.00	35	1.49	1.49	5.24
0.0166	0.420	1.25	40	1.88	1.88	7.12
0.0139	0.354	1.50	45	1.67	1.67	8.79
0.0117	0.297	1.75	50	2.55	2.55	11.34
0.0098	0.250	2.00	60	2.93	2.93	14.27
0.0083	0.210	2.25	70	4.27	4.27	18.54
0.0070	0.177	2.50	80	5.93	5.93	24.47
0.0059	0.149	2.75	100	7.28	7.28	31.75
0.0049	0.125	3.00	120	7.21	7.21	38.96
0.0041	0.105	3.25	140	5.81	5.81	44.77
0.0035	0.088	3.50	170	4.16	4.16	48.93
0.0029	0.074	3.75	200	3.18	3.18	52.11
0.0025	0.063	4.00	230	2.94	2.94	55.05
0.0021	0.053	4.25	270	3.00	3.00	58.05
0.00174	0.0442	4.50	325	3.01	3.01	61.06
0.00146	0.0372	4.75	400	2.92	2.92	63.98
0.00123	0.0313	5.00	450	2.85	2.85	66.83
0.000986	0.0250	5.32	500	3.58	3.58	70.41
0.000790	0.0201	5.64	635	3.44	3.44	73.85
0.000615	0.0156	6.00		3.46	3.46	77.31
0.000435	0.0110	6.50		4.21	4.21	81.52
0.000308	0.00781	7.00		3.73	3.73	85.25
0.000197	0.00500	7.65		4.14	4.14	89.39
0.000077	0.00195	9.00		6.19	6.19	95.58
0.000038	0.000977	10.00		2.75	2.75	98.33
0.000019	0.000488	11.00		1.51	1.51	99.84
0.000015	0.000375	11.38		0.16	0.16	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	0.96	0.0202	0.514
10	1.62	0.0128	0.326
16	2.10	0.0092	0.233
25	2.52	0.0069	0.175
40	3.04	0.0048	0.121
50	3.58	0.0033	0.083
60	4.41	0.0018	0.047
75	5.76	0.0007	0.018
84	6.83	0.0003	0.009
90	7.78	0.0002	0.005
95	8.87	0.0001	0.002

Measure	Trask	Inman	Folk-Ward
Median, phi	3.58	3.58	3.58
Median, in.	0.0033	0.0033	0.0033
Median, mm	0.083	0.083	0.083
Mean, phi	3.37	4.47	4.17
Mean, in.	0.0038	0.0018	0.0022
Mean, mm	0.097	0.045	0.055
Sorting	3.075	2.366	2.382
Skewness	0.681	0.373	0.355
Kurtosis	0.243	0.673	1.001
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

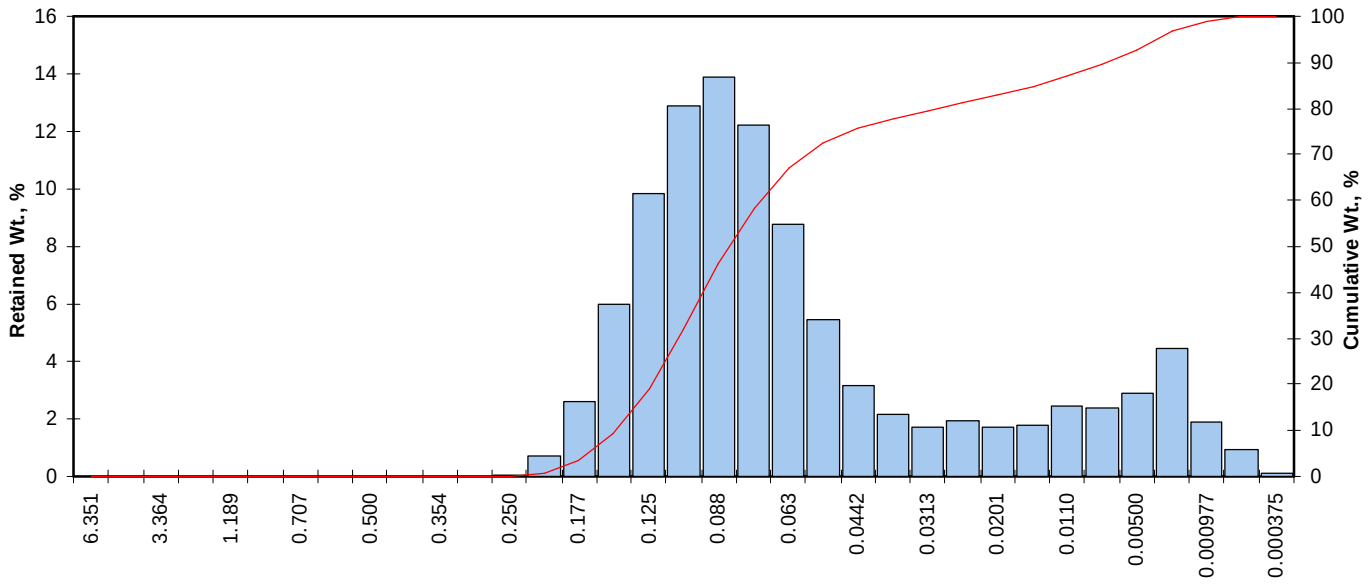
Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	7.12
Fine Sand	200	44.99
Silt	>0.005 mm	37.28
Clay	<0.005 mm	10.61
	Total	**100**

PTS Laboratories, Inc.

Particle Size Analysis - ASTM D4464M

Client:	Calscience	**PTS File No:**	37947
Project:	N/A	**Sample ID:**	REF
Project No:	07-11-0373	**Depth, ft:**	N/A

Grv	Sand Size			Silt	Clay
	crs	medium	fine		



Opening Inches	Opening Millimeters	Phi of Screen	U.S. No.	Sample Weight, grams	Increment Weight, percent	Cumulative Weight, percent
0.2500	6.351	-2.67	1/4	0.00	0.00	0.00
0.1873	4.757	-2.25	4	0.00	0.00	0.00
0.1324	3.364	-1.75	6	0.00	0.00	0.00
0.0787	2.000	-1.00	10	0.00	0.00	0.00
0.0468	1.189	-0.25	16	0.00	0.00	0.00
0.0331	0.841	0.25	20	0.00	0.00	0.00
0.0278	0.707	0.50	25	0.00	0.00	0.00
0.0234	0.595	0.75	30	0.00	0.00	0.00
0.0197	0.500	1.00	35	0.00	0.00	0.00
0.0166	0.420	1.25	40	0.00	0.00	0.00
0.0139	0.354	1.50	45	0.00	0.00	0.00
0.0117	0.297	1.75	50	0.00	0.00	0.00
0.0098	0.250	2.00	60	0.07	0.07	0.07
0.0083	0.210	2.25	70	0.71	0.71	0.78
0.0070	0.177	2.50	80	2.63	2.63	3.41
0.0059	0.149	2.75	100	5.98	5.98	9.39
0.0049	0.125	3.00	120	9.83	9.83	19.22
0.0041	0.105	3.25	140	12.90	12.90	32.12
0.0035	0.088	3.50	170	13.90	13.90	46.01
0.0029	0.074	3.75	200	12.20	12.20	58.21
0.0025	0.063	4.00	230	8.78	8.78	66.99
0.0021	0.053	4.25	270	5.43	5.43	72.42
0.00174	0.0442	4.50	325	3.19	3.19	75.61
0.00146	0.0372	4.75	400	2.14	2.14	77.75
0.00123	0.0313	5.00	450	1.72	1.72	79.47
0.000986	0.0250	5.32	500	1.92	1.92	81.39
0.000790	0.0201	5.64	635	1.71	1.71	83.10
0.000615	0.0156	6.00		1.78	1.78	84.88
0.000435	0.0110	6.50		2.44	2.44	87.32
0.000308	0.00781	7.00		2.41	2.41	89.73
0.000197	0.00500	7.65		2.87	2.87	92.60
0.000077	0.00195	9.00		4.43	4.43	97.03
0.000038	0.000977	10.00		1.90	1.90	98.93
0.000019	0.000488	11.00		0.97	0.97	99.90
0.000015	0.000375	11.38		0.10	0.10	100.00
TOTALS				**100.00**	**100.00**	**100.00**

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size Inches	Particle Size Millimeters
5	2.57	0.0066	0.169
10	2.77	0.0058	0.147
16	2.92	0.0052	0.132
25	3.11	0.0046	0.116
40	3.39	0.0038	0.095
50	3.58	0.0033	0.084
60	3.80	0.0028	0.072
75	4.45	0.0018	0.046
84	5.82	0.0007	0.018
90	7.06	0.0003	0.007
95	8.38	0.0001	0.003

Measure	Trask	Inman	Folk-Ward
Median, phi	3.58	3.58	3.58
Median, in.	0.0033	0.0033	0.0033
Median, mm	0.084	0.084	0.084
Mean, phi	3.63	4.37	4.11
Mean, in.	0.0032	0.0019	0.0023
Mean, mm	0.081	0.048	0.058
Sorting	1.591	1.452	1.606
Skewness	0.870	0.543	0.597
Kurtosis	0.251	1.002	1.778
Grain Size Description (ASTM-USCS Scale)		Fine sand (based on Mean from Trask)	

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.00
Coarse Sand	10	0.00
Medium Sand	40	0.00
Fine Sand	200	58.21
Silt	>0.005 mm	34.39
Clay	<0.005 mm	7.40
	Total	**100**

Appendix E
Bioaccumulation Tissue Chemistry Report
(CRG Marine Laboratories)

Appendix Table E-1. Clam Tissue Replicate and Mean Concentration Data and Statistical Test Results - METALS

All units milligrams per kilogram

WET WEIGHT	Site 1							Site 2							Lower Stratum							Upper Stratum							Reference						
Metal	1C - A	1C - B	1C - C	1C - D	1C - E	Average	SE	2C -A	2C -B	2C -C	2C -D	2C -E	Average	SE	LC - A	LC - B	LC - C	LC - D	LC - E	Average	SE	UC - A	UC - B	UC - C	UC - D	UC - E	Average	SE	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E	Average	SE
Arsenic (As)	3.92	2.10	3.13	2.87	2.88	2.98	0.29	2.74	3.16	2.41	2.85	3.27	2.89	0.15	2.94	2.79	3.06	2.59	2.12	2.70	0.16	3.13	3.00	2.51	3.01	2.82	2.90	0.11	2.62	2.93	2.43	3.20	3.02	2.84	0.14
Cadmium (Cd)	0.04	ND	0.04	0.04	0.03	0.04	0.00	0.03	0.04	0.03	0.03	0.04	0.03	0.00	0.04	0.04	0.05	0.04	0.03	0.04	0.00	0.03	0.03	0.04	0.04	0.05	0.04	0.00	0.03	0.03	0.03	0.04	0.05	0.04	0.00
Chromium (Cr)	0.17	0.18	0.13	0.22	0.15	0.17	0.01	0.14	0.12	0.19	0.15	0.17	0.15	0.01	0.16	0.19	0.14	0.39	0.12	0.20	0.05	0.09	0.10	0.34	0.11	0.19	0.17	0.05	0.22	0.09	0.12	0.18	0.25	0.17	0.03
Copper (Cu)	1.42	1.04	0.93	1.16	0.89	1.09	0.10	1.06	1.36	1.36	1.08	1.25	1.22	0.06	1.25	1.68	1.73	1.98	1.47	1.62	0.12	1.28	1.26	1.96	2.16	1.85	1.70	0.18	1.14	0.87	0.81	1.23	1.37	1.08	0.11
Lead (Pb)	0.25	0.22	0.21	0.31	0.19	0.24	0.02	0.25	0.27	0.28	0.21	0.27	0.25	0.01	0.13	0.18	0.15	0.18	0.11	0.15	0.01	0.15	0.14	0.19	0.16	0.17	0.16	0.01	0.15	0.12	0.12	0.16	0.18	0.15	0.01
Mercury (Hg)	ND	ND	ND	ND	ND	-	-	0.01	0.01	ND	ND	ND	0.01	-	0.01	ND	0.01	0.01	ND	0.01	-	ND	ND	0.01	0.01	0.01	0.01	-	ND	ND	ND	ND	ND	0.01	-
Nickel (Ni)	0.39	0.24	0.35	0.37	0.30	0.33	0.03	0.33	0.37	0.31	0.36	0.35	0.34	0.01	0.34	0.49	0.33	0.50	0.26	0.38	0.05	0.27	0.26	0.43	0.28	0.34	0.32	0.03	0.42	0.30	0.28	0.42	0.41	0.37	0.03
Selenium (Se)	0.40	0.20	0.35	0.32	0.29	0.31	0.03	0.28	0.30	0.27	0.30	0.30	0.29	0.01	0.30	0.37	0.33	0.27	0.26	0.30	0.02	0.29	0.29	0.29	0.30	0.29	0.29	0.00	0.32	0.28	0.26	0.34	0.33	0.31	0.02
Silver (Ag)	0.06	0.04	0.06	0.06	0.04	0.05	0.00	0.07	0.07	0.06	0.05	0.06	0.06	0.00	0.07	0.07	0.06	0.08	0.07	0.07	0.00	0.06	0.06	0.06	0.07	0.07	0.06	0.00	0.06	0.05	0.05	0.04	0.06	0.05	0.00
Zinc (Zn)	15.20	8.75	15.40	12.39	12.09	12.77	1.22	12.31	11.41	12.45	11.12	12.44	11.95	0.28	12.69	11.68	13.17	10.12	10.05	11.54	0.64	11.17	10.46	9.89	10.59	12.19	10.86	0.39	11.05	11.38	10.69	12.54	13.64	11.86	0.54

DRY WEIGHT	Site 1							Site 2							Lower Stratum							Upper Stratum							Reference						
Metal	1C - A	1C - B	1C - C	1C - D	1C - E	Average	SE	2C -A	2C -B	2C -C	2C -D	2C -E	Average	SE	LC - A	LC - B	LC - C	LC - D	LC - E	Average	SE	UC - A	UC - B	UC - C	UC - D	UC - E	Average	SE	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E	Average	SE
Arsenic (As)	29.15	15.59	23.25	21.37	21.43	22.16	2.17	21.64	24.92	19.06	22.47	25.85	22.79	1.21	21.99	20.86	22.89	19.35	15.86	20.19	1.23	23.42	22.44	18.77	22.52	21.07	21.64	0.81	18.83	21.11	17.51	23.04	21.75	20.45	1.00
Cadmium (Cd)	0.30	ND	0.29	0.28	0.23	0.27	0.01	0.24	0.28	0.27	0.26	0.30	0.27	0.01	0.28	0.28	0.34	0.31	0.22	0.29	0.02	0.23	0.24	0.31	0.27	0.34	0.28	0.02	0.24	0.24	0.22	0.29	0.37	0.27	0.03
Chromium (Cr)	1.26	1.34	1.00	1.61	1.08	1.26	0.11	1.12	0.91	1.50	1.19	1.30	1.21	0.10	1.17	1.42	1.02	2.88	0.86	1.47	0.36	0.67	0.72	2.52	0.84	1.43	1.24	0.35	1.57	0.62	0.87	1.32	1.81	1.24	0.22
Copper (Cu)	10.59	7.71	6.88	8.63	6.61	8.08	0.72	8.37	10.72	10.70	8.49	9.86	9.63	0.51	9.35	12.57	12.95	14.85	11.03	12.15	0.93	9.57	9.38	14.62	16.13	13.84	12.71	1.37	8.17	6.29	5.79	8.88	9.88	7.80	0.77
Lead (Pb)	1.85	1.61	1.58	2.31	1.42	1.76	0.16	1.94	2.09	2.20	1.68	2.10	2.00	0.09	0.94	1.32	1.10	1.36	0.84	1.11	0.10	1.12	1.07	1.43	1.16	1.30	1.22	0.07	1.09	0.84	0.89	1.14	1.26	1.04	0.08
Mercury (Hg)	ND	ND	ND	ND	ND	-	-	0.08	0.08	ND	ND	ND	0.08	-	0.09	ND	0.07	0.07	ND	0.08	-	ND	ND	0.07	0.09	0.07	0.08	-	ND	ND	ND	0.08	ND	0.08	-
Nickel (Ni)	2.89	1.77	2.57	2.76	2.24	2.44	0.20	2.58	2.88	2.43	2.84	2.73	2.69	0.08	2.54	3.67	2.49	3.72	1.97	2.88	0.35	1.99	1.92	3.20	2.12	2.57	2.36	0.24	2.99	2.19	2.00	3.01	2.98	2.63	0.22
Selenium (Se)	2.95	1.52	2.57	2.36	2.14	2.31	0.24	2.17	2.39	2.10	2.33	2.35	2.27	0.06	2.27	2.74	2.46	2.01	1.92	2.28	0.15	2.16	2.14	2.14	2.26	2.19	2.18	0.02	2.27	2.03	1.84	2.45	2.37	2.19	0.11
Silver (Ag)	0.42	0.32	0.42	0.42	0.31	0.38	0.03	0.53	0.55	0.51	0.41	0.47	0.49	0.02	0.49	0.51	0.44	0.57	0.49	0.50	0.02	0.48	0.43	0.43	0.53	0.52	0.48	0.02	0.42	0.32	0.36	0.26	0.42	0.36	0.03
Zinc (Zn)	113.10	65.12	114.58	92.19	89.96	94.99	9.05	97.24	90.13	98.34	87.84	98.26	94.36	2.23	94.99	87.43	98.58	75.75	75.22	86.39	4.80	83.48	78.18	73.95	79.15	91.11	81.17	2.91	79.50	81.87	76.91	90.22	98.13	85.32	3.90

WET WEIGHT	Site 1		Site 2		Lower Stratum		Upper Stratum		Refrence	
Metal	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	2.98	0.29	2.89	0.15	2.70	0.16	2.90	0.11	2.84	0.14
Cadmium (Cd)	0.037	0.002	0.034	0.001	0.038	0.003	0.037	0.003	0.038	0.004
Chromium (Cr)	0.169	0.015	0.153	0.012	0.196	0.049	0.165	0.047	0.172	0.031
Copper (Cu)	1.09	0.10	1.22	0.06	1.62	0.12	1.70	0.18	1.08	0.11
Lead (Pb)	0.236	0.021	0.253	0.011	0.149	0.014	0.163	0.009	0.145	0.011
Mercury (Hg)	-	-	0.01	-	0.01	-	0.01	-	0.01	-
Nickel (Ni)	0.329	0.027	0.341	0.011	0.385	0.046	0.316	0.032	0.366	0.031
Selenium (Se)	0.310	0.032	0.287	0.007	0.305	0.020	0.291	0.003	0.305	0.016
Silver (Ag)	0.051	0.004	0.062	0.003	0.067	0.003	0.064	0.003	0.049	0.004
Zinc (Zn)	12.77	1.22	11.95	0.28	11.54	0.64	10.86	0.39	11.86	0.54
Percent Solids	13.4	0.4	12.7	0.2	13.4	0.4	13.4	0.1	13.9	0.5

- Test tissue concentration higher than the reference tissue concentration.

- Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, α=0.05, p<0.05)

Notes:
1. Standard error values were not calculated for results in which more than one replicate concentration was not detected above the reporting limit.
2. Since the number of observations was equal in all cases, equal variances was assumed for statistical testing purposes.

DRY WEIGHT	Site 1		Site 2		Lower Stratum		Upper Stratum		Reference	
Metal	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	22.2	2.2	22.8	1.2	20.2	1.2	21.6	0.8	20.7	1.0
Cadmium (Cd)	0.273	0.013	0.270	0.011	0.287	0.020	0.277	0.020	0.274	0.028
Chromium (Cr)	1.26	0.11	1.21	0.10	1.47	0.36	1.24	0.35	1.26	0.22
Copper (Cu)	8.08	0.72	9.63	0.51	12.15	0.93	12.71	1.37	7.91	0.78
Lead (Pb)	1.76	0.16	2.00	0.09	1.11	0.10	1.22	0.07	1.06	0.08
Mercury (Hg)	-	-	0.079	-	0.080	-	0.080	-	0.080	-
Nickel (Ni)	2.44	0.20	2.69	0.08	2.88	0.35	2.36	0.24	2.67	0.23
Selenium (Se)	2.31	0.24	2.27	0.06	2.28	0.15	2.18	0.02	2.23	0.12
Silver (Ag)	0.376	0.026	0.491	0.024	0.501	0.020	0.477	0.021	0.361	0.030
Zinc (Zn)	95.0	9.0	94.4	2.2	86.4	4.8	81.2	2.9	86.6	4.0

Statistical Test Results Conducted for Cases in which Test Tissues were Greater than Reference Tissue Concentrations (Wet Weight Data)

WET WEIGHT One-tailed t-Test: Two-Sample Assuming Equal Variances

As	Ref	1C
Mean	2.842	2.978
Variance	0.0969785	0.4264345
Observations	5	5
Pooled Variance	0.2617065	
Hypothesized M	0	
df	8	
t Stat	-0.420340908	
P(T<=t) one-tail	0.342649766	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.685299532	
t Critical two-tail	2.306005626	

As	Ref	2C
Mean	2.842	2.885
Variance	0.0969785	0.1170195
Observations	5	5
Pooled Variance	0.106999	
Hypothesized M	0	
df	8	
t Stat	-0.207849316	
P(T<=t) one-tail	0.422070179	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.840540357	
t Critical two-tail	2.306005626	

As	Ref	UC
Mean	2.842	2.8956
Variance	0.0969785	0.0588118
Observations	5	5
Pooled Variance	0.077895515	
Hypothesized M	0	
df	8	
t Stat	-0.303654405	
P(T<=t) one-tail	0.384569289	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.769138578	
t Critical two-tail	2.306005626	

Cr	Ref	LC
Mean	0.1722	0.1964
Variance	0.0046642	0.0118793
Observations	5	5
Pooled Variance	0.00827175	
Hypothesized M	0	
df	8	
t Stat	-0.420713715	
P(T<=t) one-tail	0.342519111	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.685038221	
t Critical two-tail	2.306005626	

Cu	Ref	2C
Mean	1.0842	0.1219
Variance	0.0576407	0.0210995
Observations	5	5
Pooled Variance	0.0393701	
Hypothesized M	0	
df	8	
t Stat	-1.074178951	
P(T<=t) one-tail	0.1570353	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.3140706	
t Critical two-tail	2.306005626	

Cu	Ref	LC
Mean	1.0842	1.623
Variance	0.0576407	0.0768205
Observations	5	5
Pooled Variance	0.0672306	
Hypothesized M	0	
df	8	
t Stat	-3.285595521	
P(T<=t) one-tail	0.005547365	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.011094731	
t Critical two-tail	2.306005626	

Cu	Ref	UC
Mean	1.0842	1.7004
Variance	0.0576407	0.1679973
Observations	5	5
Pooled Variance	0.112819	
Hypothesized M	0	
df	8	
t Stat	-2.900685042	
P(T<=t) one-tail	0.00993541	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.019870082	
t Critical two-tail	2.306005626	

Pb	Ref	1C
Mean	0.1452	0.236
Variance	0.0005892	0.002187
Observations	5	5
Pooled Variance	0.0013881	
Hypothesized M	0	
df	8	
t Stat	-3.853412268	
P(T<=t) one-tail	0.002427001	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.004854003	
t Critical two-tail	2.306005626	

Pb	Ref	2C
Mean	0.1452	0.2534
Variance	0.0005892	0.0006503
Observations	5	5
Pooled Variance	0.00061975	
Hypothesized M	0	
df	8	
t Stat	-6.872092513	
P(T<=t) one-tail	6.4045E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.00012809	
t Critical two-tail	2.306005626	

Pb	Ref	UC
Mean	0.1452	0.1626
Variance	0.0005892	0.0003843
Observations	5	5
Pooled Variance	0.00048675	
Hypothesized M	0	
df	8	
t Stat	-1.24699948	
P(T<=t) one-tail	0.123833735	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.24766747	
t Critical two-tail	2.306005626	

Ni	Ref	LC
Mean	0.3662	0.3846
Variance	0.0048002	0.0107953
Observations	5	5
Pooled Variance	0.00779775	
Hypothesized M	0	
df	8	
t Stat	-0.329460364	
P(T<=t) one-tail	0.375134036	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.750268072	
t Critical two-tail	2.306005626	

Se	Ref	1C
Mean	0.305	0.3104
Variance	0.001243	0.0051583
Observations	5	5
Pooled Variance	0.00320065	
Hypothesized M	0	
df	8	
t Stat	-0.150919262	
P(T<=t) one-tail	0.441887738	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.883775477	
t Critical two-tail	2.306005626	

Ag	Ref	1C
Mean	0.0494	0.0506
Variance	8.68E-05	6.23E-05
Observations	5	5
Pooled Variance	7.455E-05	
Hypothesized M	0	
df	8	
t Stat	-0.219749263	
P(T<=t) one-tail	0.415784991	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.831569982	
t Critical two-tail	2.306005626	

Ag	Ref	2C
Mean	0.0494	0.0622
Variance	8.68E-05	4.67E-05
Observations	5	5
Pooled Variance	0.000066575	
Hypothesized M	0	
df	8	
t Stat	-2.477161599	
P(T<=t) one-tail	0.01914033	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.038288659	
t Critical two-tail	2.306005626	

Ag	Ref	LC
Mean	0.0494	0.067
Variance	8.68E-05	3.7E-05
Observations	5	5
Pooled Variance	6.19E-05	
Hypothesized M	0	
df	8	
t Stat	-3.537018633	
P(T<=t) one-tail	0.003826555	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.007653111	
t Critical two-tail	2.306005626	

Ag	Ref	UC
Mean	0.0494	0.0638
Variance	8.68E-05	3.97E-05
Observations	5	5
Pooled Variance	6.325E-05	
Hypothesized M	0	
df	8	
t Stat	-2.862873981	
P(T<=t) one-tail	0.010529101	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.021058203	
t Critical two-tail	2.306005626	

Zn	ref	1C
Mean	11.86	12.7664
Variance	1.47155	7.3932148
Observations	5	5
Pooled Variance	4.4323824	
Hypothesized M	0	
df	8	
t Stat	-0.680724357	
P(T<=t) one-tail	0.25763048	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.515260961	
t Critical two-tail	2.306005626	

Zn	Ref	2C
Mean	11.86	11.946
Variance	1.47155	0.40003
Observations	5	5
Pooled Variance	0.93579	
Hypothesized M	0	
df	8	
t Stat	-0.140565666	
P(T<=t) one-tail	0.445843955	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.89168791	
t Critical two-tail	2.306005626	

DRY WEIGHT One-tailed t-Test: Two-Sample Assuming Equal Variances

As	Ref	Site 1
Mean	20.44604317	22.1577381
Variance	5.019331298	18.88616514
Observations	5	6
Pooled Variance	12.72312788	
Hypothesized M	0	
df	9	
t Stat	-0.79248994	
P(T<=t) one-tail	0.224229969	
t Critical one-tail	1.833113856	
P(T<=t) two-tail	0.448459939	
t Critical two-tail	2.262158887	

As	Ref	Site 2
Mean	20.44604317	22.78830964
Variance	5.019331298	7.301142532
Observations	5	5
Pooled Variance	6.160236915	
Hypothesized M	0	
df	8	
t Stat	-1.492133217	
P(T<=t) one-tail	0.087004107	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.174008214	
t Critical two-tail	2.306005626	

As	Ref	Upper
Mean	20.44604317	21.64125561
Variance	5.019331298	3.285127614
Observations	5	5
Pooled Variance	4.152229456	
Hypothesized M	0	
df	8	
t Stat	-0.927415685	
P(T<=t) one-tail	0.190419773	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.380639551	
t Critical two-tail	2.306005626	

Cd	Ref	Lower
Mean	0.270503597	0.28742515
Variance	0.003767921	0.00192168
Observations	5	5
Pooled Variance	0.002844801	
Hypothesized M	0	
df	8	
t Stat	-0.501630905	
P(T<=t) one-tail	0.314719167	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.629438333	
t Critical two-tail	2.306005626	

Cd	Ref	Upper
Mean	0.270503597	0.276532138
Variance	0.003767921	0.00198297
Observations	5	5
Pooled Variance	0.002875445	
Hypothesized M	0	
df	8	
t Stat	-0.177758188	
P(T<=t) one-tail	0.431665697	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.863331393	
t Critical two-tail	2.306005626	

Cr	Ref	Lower
Mean	1.238848921	1.47005988
Variance	0.241405724	0.66554578
Observations	5	5
Pooled Variance	0.453475752	
Hypothesized M	0	
df	8	
t Stat	-0.542876929	
P(T<=t) one-tail	0.301003579	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.602007159	
t Critical two-tail	2.306005626	

Cu	Ref	Site 1
Mean	7.8	8.084821429
Variance	2.983318669	2.578053031
Observations	5	5
Pooled Variance	2.78068585	
Hypothesized M	0	
df	8	
t Stat	-0.270064003	
P(T<=t) one-tail	0.396973482	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.793946964	
t Critical two-tail	2.306005626	

Cu	Ref	Site 2
Mean	7.8	9.628751975
Variance	2.983318669	1.316451163
Observations	5	5
Pooled Variance	2.149884916	
Hypothesized M	0	
df	8	
t Stat	-1.972046749	
P(T<=t) one-tail	0.042038537	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.084077033	
t Critical two-tail	2.306005626	

Cu	Ref	Lower
Mean	7.8	12.14820359
Variance	2.983318669	4.303920228
Observations	5	5
Pooled Variance	3.643619449	
Hypothesized M	0	
df	8	
t Stat	-3.601748377	
P(T<=t) one-tail	0.003482297	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.006964593	
t Critical two-tail	2.306005626	

Cu	Ref	Upper
Mean	7.8	12.70852018
Variance	2.983318669	9.384044856
Observations	5	5
Pooled Variance	6.183681763	
Hypothesized M	0	
df	8	
t Stat	-3.121023363	
P(T<=t) one-tail	0.007103346	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.014206691	
t Critical two-tail	2.306005626	

Pb	Ref	Site 1
Mean	1.046604317	1.755952381
Variance	0.030495316	0.12107382
Observations	5	5
Pooled Variance	0.075784968	
Hypothesized M	0	
df	8	
t Stat	-4.085655728	
P(T<=t) one-tail	0.001753298	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.003506596	
t Critical two-tail	2.306005626	

Pb	Ref	Site 2
Mean	1.046604317	2.001579779
Variance	0.030495316	0.040573862
Observations	5	5
Pooled Variance	0.035534589	
Hypothesized M	0	
df	8	
t Stat	-8.026850231	
P(T<=t) one-tail	2.13138E-05	
t Critical one-tail	1.85954832	
t Critical two-tail	4.26273E-05	
t Critical two-tail	2.306005626	

Pb	Ref	Lower
Mean	1.046604317	1.112275449
Variance	0.030495316	0.052092671
Observations	5	5
Pooled Variance	0.041293993	
Hypothesized M	0	
df	8	
t Stat	-0.526538349	
P(T<=t) one-tail	0.306398159	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.612796317	
t Critical two-tail	2.306005626	

Pb	Ref	Upper
Mean	1.046604317	1.215246637
Variance	0.030495316	0.021466348
Observations	5	5
Pooled Variance	0.025980832	
Hypothesized M	0	
df	8	
t Stat	-1.673902763	
P(T<=t) one-tail	0.066342181	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.132684362	
t Critical two-tail	2.306005626	

Ni	Ref	Site 1
Mean	2.634532374	2.444904476
Variance	0.248444697	0.201584866
Observations	5	5
Pooled Variance	0.225014782	
Hypothesized M	0	
df	8	
t Stat	0.631952235	
P(T<=t) one-tail	0.272524936	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.545049873	
t Critical two-tail	2.306005626	

Ni	Ref	Site 2
Mean	2.634532374	2.690363349
Variance	0.248444697	0.034771356
Observations	5	5
Pooled Variance	0.141608027	
Hypothesized M	0	
df	8	
t Stat	-0.234583563	
P(T<=t) one-tail	0.410211486	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.820422972	
t Critical two-tail	2.306005626	

Ni	Ref	Lower
Mean	2.634532374	2.878742515
Variance	0.248444697	0.60481395
Observations	5	5
Pooled Variance	0.426629324	
Hypothesized M	0	
df	8	
t Stat	-0.591164591	
P(T<=t) one-tail	0.285365733	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.570731466	
t Critical two-tail	2.306005626	

Ni	Ref	Upper
Mean	2.634532374	2.358744395
Variance	0.248444697	0.284838268
Observations	5	5
Pooled Variance	0.266641483	
Hypothesized M	0	
df	8	
t Stat	0.84446466	
P(T<=t) one-tail	0.211471325	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.42294265	
t Critical two-tail	2.306005626	

t-Test: Two-Sample Assuming Equal Variances

Se	Ref	Site 1
Mean	2.194244604	2.30952381
Variance	0.064334144	0.285567026
Observations	5	5
Pooled Variance	0.174950585	
Hypothesized M	0	
df	8	
t Stat	-0.43577597	
P(T<=t) one-tail	0.337259373	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.674518746	
t Critical two-tail	2.306005626	

t-Test: Two-Sample Assuming Equal Variances

Se	Ref	Site 2
Mean	2.194244604	2.268562401
Variance	0.064334144	0.015517022
Observations	5	5
Pooled Variance	0.039925583	
Hypothesized M	0	
df	8	
t Stat	-0.588081067	
P(T<=t) one-tail	0.286350362	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.572700723	
t Critical two-tail	2.306005626	

t-Test: Two-Sample Assuming Equal Variances

Se	Ref	Lower
Mean	2.194244604	2.27994012
Variance	0.064334144	0.109995204
Observations	5	5
Pooled Variance	0.087164674	
Hypothesized M	0	
df	8	
t Stat	-0.458942042	
P(T<=t) one-tail	0.329243897	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.658487795	
t Critical two-tail	2.306005626	

t-Test: Two-Sample Assuming Equal Variances

Ag	Ref	Site 1
Mean	0.355395683	0.376488095
Variance	0.004492521	0.003448971
Observations	5	5
Pooled Variance	0.003970746	
Hypothesized M	0	
df	8	
t Stat	-0.529249184	
P(T<=t) one-tail	0.305499576	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.610999152	
t Critical two-tail	2.306005626	

t-Test: Two-Sample Assuming Equal

Appendix Table E-2. Worm Tissue Replicate and Mean Concentration Data and Statistical Test Results - METALS

All units milligrams per kilogram

WET WEIGHT	Site 1						Site 2						Lower Stratum						Upper Stratum						Reference					
Metal	1C - A	1C - B	1C - C	1C - D	1C - E	Average	SE	2C -A	2C -B	2C -C	2C -D	2C -E	Average	SE	LC - A	LC - B	LC - C	LC - D	LC - E	Average	SE	UC - A	UC - B	UC - C	UC - D	UC - E	Average	SE	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E	Average	SE
Arsenic (As)	2.69	2.97	3.09	3.33	3.20	3.06	0.11	2.93	3.10	2.47	2.98	3.26	2.95	0.13	2.49	2.79	2.61	2.59	2.34	2.57	0.07	3.57	3.17	2.35	3.12	2.98	3.04	0.20	2.39	2.66	2.21	3.11	2.15	2.50	0.18
Cadmium (Cd)	0.03	ND	0.03	ND	0.03	0.03	0.00	ND	ND	0.03	ND	ND	0.03	-	0.03	0.03	ND	ND	ND	0.03	-	0.04	0.04	0.04	0.03	0.04	0.04	0.00	0.04	0.03	0.03	0.03	0.03	0.03	0.00
Chromium (Cr)	0.20	0.06	0.05	0.09	0.08	0.10	0.03	0.07	0.08	0.42	0.24	0.06	0.17	0.07	0.23	0.05	0.07	0.29	0.10	0.15	0.05	0.18	0.10	0.06	0.14	0.33	0.16	0.05	0.23	0.06	0.09	0.11	0.05	0.11	0.03
Copper (Cu)	1.19	1.21	0.95	1.06	1.02	1.08	0.05	0.95	1.06	1.31	1.12	1.03	1.10	0.06	1.18	1.22	1.07	1.25	0.85	1.11	0.07	1.45	1.31	1.46	1.29	1.46	1.40	0.04	1.24	1.13	1.26	1.23	1.42	1.26	0.05
Lead (Pb)	0.12	0.09	0.09	0.09	0.11	0.10	0.01	0.11	0.10	0.13	0.12	0.10	0.11	0.01	0.07	0.06	0.05	0.07	0.05	0.06	0.00	0.12	0.08	0.07	0.10	0.15	0.10	0.01	0.10	0.06	0.07	0.07	0.07	0.07	0.01
Mercury (Hg)	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.02	0.02	0.02	0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.00
Nickel (Ni)	0.22	0.13	0.13	0.18	0.21	0.17	0.02	0.13	0.18	0.37	0.29	0.13	0.22	0.05	0.29	0.15	0.17	0.34	0.17	0.23	0.04	0.28	0.27	0.17	0.25	0.40	0.27	0.04	0.28	0.19	0.15	0.19	0.11	0.18	0.03
Selenium (Se)	0.40	0.42	0.47	0.50	0.44	0.44	0.02	0.46	0.47	0.40	0.40	0.44	0.43	0.02	0.38	0.38	0.37	0.37	0.34	0.37	0.01	0.52	0.46	0.43	0.47	0.48	0.47	0.01	0.36	0.38	0.37	0.37	0.37	0.37	0.00
Silver (Ag)	0.03	0.03	ND	ND	ND	0.03	-	ND	0.03	0.04	0.03	ND	0.03	-	0.04	0.04	0.03	0.03	ND	0.04	0.00	0.03	0.03	0.04	ND	0.03	0.03	0.00	0.05	0.05	0.04	0.05	0.07	0.05	0.00
Zinc (Zn)	15.43	14.66	16.93	17.83	26.89	18.35	2.21	17.44	20.26	26.10	16.05	15.17	19.00	1.97	20.28	19.96	15.02	17.27	29.18	20.34	2.41	20.95	20.47	12.65	20.86	16.39	18.26	1.64	24.70	20.47	25.55	27.66	25.45	24.77	1.18

DRY WEIGHT	Site 1						Site 2						Lower Stratum						Upper Stratum						Reference					
Metal	1C - A	1C - B	1C - C	1C - D	1C - E	Average	SE	2C -A	2C -B	2C -C	2C -D	2C -E	Average	SE	LC - A	LC - B	LC - C	LC - D	LC - E	Average	SE	UC - A	UC - B	UC - C	UC - D	UC - E	Average	SE	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E	Average	SE
Arsenic (As)	12.43	13.74	14.28	15.41	14.80	14.13	0.51	15.64	16.51	13.14	15.90	17.35	15.71	0.71	14.99	16.85	15.74	15.64	14.14	15.47	0.45	19.43	17.25	12.81	17.00	16.25	16.55	1.08	14.02	15.60	12.92	18.20	12.59	14.66	1.03
Cadmium (Cd)	0.12	ND	0.12	ND	0.13	0.12	0.00	ND	ND	0.14	ND	ND	0.14	-	0.19	0.18	ND	ND	ND	0.18	-	0.20	0.20	0.21	0.17	0.21	0.20	0.01	0.21	0.16	0.19	0.16	0.18	0.18	0.01
Chromium (Cr)	0.93	0.28	0.25	0.43	0.38	0.45	0.12	0.35	0.44	2.21	1.26	0.29	0.91	0.37	1.39	0.31	0.42	1.73	0.61	0.89	0.28	0.96	0.56	0.31	0.76	1.77	0.87	0.25	1.35	0.32	0.51	0.65	0.32	0.83	0.19
Copper (Cu)	5.49	5.58	4.40	4.88	4.70	5.01	0.23	5.07	5.67	7.00	5.98	5.49	5.84	0.32	7.11	7.36	6.48	7.52	5.10	6.72	0.44	7.89	7.16	7.94	7.03	7.07	7.60	0.21	7.27	6.61	7.37	7.18	8.34	7.35	0.28
Lead (Pb)	0.54	0.42	0.42	0.39	0.49	0.45	0.03	0.57	0.54	0.71	0.65	0.54	0.60	0.03	0.41	0.39	0.32	0.44	0.32	0.38	0.02	0.67	0.45	0.40	0.52	0.80	0.57	0.07	0.56	0.36	0.39	0.42	0.42	0.43	0.03
Mercury (Hg)	0.06	0.06	0.05	0.05	0.06	0.06	0.00	0.07	0.06	0.07	0.06	0.06	0.06	0.00	0.08	0.07	0.07	0.08	0.07	0.07	0.00	0.10	0.08	0.11	0.07	0.09	0.09	0.01	0.08	0.06	0.08	0.08	0.10	0.08	0.01
Nickel (Ni)	1.02	0.60	0.59	0.81	0.99	0.80	0.09	0.70	0.94	1.99	1.55	0.71	1.18	0.26	1.76	0.93	1.04	2.06	1.02	1.36	0.23	1.53	1.47	0.93	1.37	2.17	1.49	0.20	1.66	1.09	0.87	1.14	0.64	1.08	0.17
Selenium (Se)	1.84	1.95	2.16	2.30	2.03	2.05	0.08	2.46	2.49	2.12	2.13	2.37	2.31	0.08	2.31	2.28	2.26	2.20	2.04	2.22	0.05	2.82	2.52	2.34	2.57	2.59	2.57	0.08	2.10	2.24	2.18	2.18	2.19	2.18	0.02
Silver (Ag)	0.14	0.12	ND	ND	ND	0.13	-	ND	0.13	0.21	0.14	ND	0.16	-	0.24	0.25	0.19	0.17	ND	0.21	0.02	0.15	0.16	0.22	ND	0.15	0.17	0.02	0.29	0.28	0.25	0.32	0.39	0.30	0.02
Zinc (Zn)	71.37	67.81	78.31	82.47	124.38	84.87	10.21	92.96	108.00	139.13	85.55	80.86	101.30	10.51	122.32	120.39	90.59	104.16	176.00	122.69	14.53	114.11	111.49	68.90	113.62	89.27	99.48	8.94	144.61	119.85	149.59	161.94	149.00	145.00	6.92

WET WEIGHT	Site 1		Site 2		Lower Stratum		Upper Stratum		Refrence	
Metal	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	3.06	0.11	2.95	0.13	2.57	0.07	3.04	0.20	2.50	0.18
Cadmium (Cd)	0.027	0.001	0.026	-	0.031	-	0.036	0.001	0.031	0.002
Chromium (Cr)	0.098	0.027	0.171	0.069	0.148	0.047	0.160	0.046	0.108	0.033
Copper (Cu)	1.08	0.05	1.10	0.06	1.11	0.07	1.40	0.04	1.26	0.05
Lead (Pb)	0.097	0.006	0.113	0.006	0.062	0.004	0.104	0.014	0.073	0.006
Mercury (Hg)	0.012	0.001	0.012	0.001	0.012	0.000	0.017	0.001	0.014	0.001
Nickel (Ni)	0.173	0.020	0.221	0.048	0.226	0.038	0.274	0.037	0.185	0.020
Selenium (Se)	0.444	0.017	0.434	0.015	0.368	0.008	0.472	0.014	0.372	0.004
Silver (Ag)	0.028	-	0.030	-	0.035	0.003	0.032	0.003	0.052	0.004
Zinc (Zn)	18.35	2.21	19.00	1.97	20.34	2.41	18.26	1.64	24.77	1.18
Percent Solids	21.6	21.6	18.8	18.8	16.6	16.6	18.4	18.4	17.1	17.1

- Statistical tests were performed since the test tissue concentration was higher than the reference tissue concentration.
- Test tissue concentration higher than the reference tissue concentration.
- Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, α=0.05, p<0.05)

Notes:
1. Standard error values were not calculated for results in which more than one replicate concentration was not detected above the reporting limit.
2. Since the number of observations was equal in all cases, equal variances was assumed for statistical testing purposes.

DRY WEIGHT	Site 1		Site 2		Lower Stratum		Upper Stratum		Refrence	
Metal	Average	SE	Average	SE	Average	SE	Average	SE	Average	SE
Arsenic (As)	14.13	0.51	15.71	0.71	15.47	0.45	16.55	1.08	14.66	1.03
Cadmium (Cd)	0.123	0.003	0.139	-	0.184	-	0.198	0.008	0.179	0.009
Chromium (Cr)	0.453	0.123	0.910	0.370	0.891	0.282	0.870	0.250	0.630	0.191
Copper (Cu)	5.01	0.23	5.84	0.32	6.72	0.44	7.60	0.21	7.35	0.28
Lead (Pb)	0.451	0.026	0.600	0.034	0.375	0.024	0.568	0.074	0.430	0.033
Mercury (Hg)	0.056	0.003	0.064	0.003	0.074	0.002	0.093	0.008	0.080	0.006
Nickel (Ni)	0.80	0.09	1.18	0.26	1.36	0.23	1.49	0.20	1.08	0.17
Selenium (Se)	2.05	0.08	2.31	0.08	2.22	0.05	2.57	0.08	2.18	0.02
Silver (Ag)	0.130	-	0.162	-	0.211	0.016	0.173	0.015	0.303	0.023
Zinc (Zn)	84.9	10.2	101.3	10.5	122.7	14.5	99.5	8.9	145.0	6.9

Statistical Test Results Conducted for Cases in which Test Tissues were Greater than Reference Tissue Concentrations (Wet Weight Data)

WET WEIGHT One-tailed *t*-Test: Two-Sample Assuming Equal Variances

t-Test: Two-Sample Assuming Equal Variances

	As	Ref
Mean	2.5046	3.0554
Variance	0.1540088	0.0601143
Observations	5	5
Pooled Variance	0.10716205	
Hypothesized Ma	0	
df	8	
t Stat	-2.6603785	
P(T<=t) one-tail	0.014394287	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.028768573	
t Critical two-tail	2.306005626	

	As	Ref	2C
Mean	2.5046	2.9466	
Variance	0.1540088	0.0877703	
Observations	5	5	
Pooled Variance	0.12089005		
Hypothesized Ma	0		
df	8		
t Stat	-2.0100434		
P(T<=t) one-tail	0.039638628		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.079277657		
t Critical two-tail	2.306005626		

	As	Ref	LC
Mean	2.5046	2.565	
Variance	0.1540088	0.0275085	
Observations	5	5	
Pooled Variance	0.09075915		
Hypothesized Ma	0		
df	8		
t Stat	-0.317001803		
P(T<=t) one-tail	0.379678476		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.759356853		
t Critical two-tail	2.306005626		

	As	Ref	UC
Mean	2.5046	3.0382	
Variance	0.1540088	0.1940207	
Observations	5	5	
Pooled Variance	0.17446525		
Hypothesized Ma	0		
df	8		
t Stat	-0.219906918		
P(T<=t) one-tail	0.039034936		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.078968872		
t Critical two-tail	2.306005626		

	Cd	Ref	UC
Mean	0.0306	0.0364	
Variance	1.38E-05	1.08E-05	
Observations	5	5	
Pooled Variance	1.18E-05		
Hypothesized Ma	0		
df	8		
t Stat	-2.669666392		
P(T<=t) one-tail	0.014188461		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.028376922		
t Critical two-tail	2.306005626		

	Cr	Ref	2C
Mean	0.1076	0.1708	
Variance	0.0053258	0.0241262	
Observations	5	5	
Pooled Variance	0.014726		
Hypothesized Ma	0		
df	8		
t Stat	-0.823464127		
P(T<=t) one-tail	0.217051947		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.434103893		
t Critical two-tail	2.306005626		

	Cr	Ref	LC
Mean	0.1076	0.1478	
Variance	0.0053258	0.0159277	
Observations	5	5	
Pooled Variance	0.00812675		
Hypothesized Ma	0		
df	8		
t Stat	-0.70507872		
P(T<=t) one-tail	0.2503854		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.500770799		
t Critical two-tail	2.306005626		

	Cr	Ref	UC
Mean	0.1076	0.1598	
Variance	0.0053258	0.0105152	
Observations	5	5	
Pooled Variance	0.0079205		
Hypothesized Ma	0		
df	8		
t Stat	-0.927393843		
P(T<=t) one-tail	0.19042511		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.38085022		
t Critical two-tail	2.306005626		

	Cu	Ref	UC
Mean	1.2562	1.395	
Variance	0.0113497	0.007229	
Observations	5	5	
Pooled Variance	0.00928935		
Hypothesized Ma	0		
df	8		
t Stat	-2.277019801		
P(T<=t) one-tail	0.026157052		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.052314105		
t Critical two-tail	2.306005626		

	Pb	Ref	1C
Mean	0.0734	0.0974	
Variance	0.000161	0.000163	
Observatio	5	5	
Pooled Var	0.000162		
Hypothesis	0		
df	8		
t Stat	-2.978667		
P(T<=t) on	0.008818		
t Critical on	1.85954		
P(T<=t) tw	0.017636		
t Critical tw	2.306006		

	Pb	Ref	2C
Mean	0.0734	0.1126	
Variance	0.0001613	0.0002043	
Observations	5	5	
Pooled Variance	0.0001828		
Hypothesized Ma	0		
df	8		
t Stat	-4.584246643		
P(T<=t) one-tail	0.000896006		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.001792013		
t Critical two-tail	2.306005626		

	Pb	Ref	UC
Mean	0.0734	0.1042	
Variance	0.0001613	0.0009232	
Observations	5	5	
Pooled Variance	0.00054225		
Hypothesized Ma	0		
df	8		
t Stat	-2.091322166		
P(T<=t) one-tail	0.034937131		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.069874261		
t Critical two-tail	2.306005626		

	Hg	Ref	UC
Mean	0.0138	0.017	
Variance	4.8E-06	1E-05	
Observations	5	5	
Pooled Variance	7.4E-06		
Hypothesized Ma	0		
df	8		
t Stat	-1.976209859		
P(T<=t) one-tail	0.04176862		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.08353724		
t Critical two-tail	2.306005626		

	Ni	Ref	2C
Mean	0.1846	0.221	
Variance	0.0041523	0.011446	
Observations	5	5	
Pooled Variance	0.00779915		
Hypothesized Ma	0		
df	8		
t Stat	-0.651700046		
P(T<=t) one-tail	0.266432927		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.532865854		
t Critical two-tail	2.306005626		

	Ni	Ref	LC
Mean	0.1846	0.2258	
Variance	0.0041523	0.0072307	
Observations	5	5	
Pooled Variance	0.0056915		
Hypothesized Ma	0		
df	8		
t Stat	-0.893483116		
P(T<=t) one-tail	0.20650481		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.41300962		
t Critical two-tail	2.306005626		

	Ni	Ref	UC
Mean	0.1846	0.2742	
Variance	0.0041523	0.0066852	
Observations	5	5	
Pooled Variance	0.00541875		
Hypothesized Ma	0		
df	8		
t Stat	-1.924546712		
P(T<=t) one-tail	0.045239585		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.09047877		
t Critical two-tail	2.306005626		

	Se	Ref	1C
Mean	0.372	0.4442	
Variance	8.05E-05	0.0014907	
Observations	5	5	
Pooled Variance	0.0007856		
Hypothesized Ma	0		
df	8		
t Stat	-4.072925484		
P(T<=t) one-tail	0.001784464		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.003568929		
t Critical two-tail	2.306005626		

	Se	Ref	2C
Mean	0.372	0.4342	
Variance	8.05E-05	0.0011402	
Observations	5	5	
Pooled Variance	0.00061035		
Hypothesized Ma	0		
df	8		
t Stat	-3.980805095		
P(T<=t) one-tail	0.002226643		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.004457126		
t Critical two-tail	2.306005626		

	Se	Ref	UC
Mean	0.372	0.4716	
Variance	8.05E-05	0.0009943	
Observations	5	5	
Pooled Variance	0.0005374		
Hypothesized Ma	0		
df	8		
t Stat	-6.793295585		
P(T<=t) one-tail	6.93846E-05		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.000138769		
t Critical two-tail	2.306005626		

DRY WEIGHT One-tailed *t*-Test: Two-Sample Assuming Equal Variances

	As	Ref	Site 2
Mean	14.66393443	15.70682303	
Variance	5.279254809	2.493916535	
Observations	5	5	
Pooled Variance	3.886585672		
Hypothesized Ma	0		
df	8		
t Stat	-0.836418832		
P(T<=t) one-tail	0.213597445		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.427194889		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	As	Ref	Lower
Mean	14.66393443	15.47044632	
Variance	5.279254809	1.000686077	
Observations	5	5	
Pooled Variance	3.139970443		
Hypothesized Ma	0		
df	8		
t Stat	-0.719644484		
P(T<=t) one-tail	0.246114587		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.492229175		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	As	Ref	Upper
Mean	14.66393443	16.54793028	
Variance	5.279254809	5.782459619	
Observations	5	5	
Pooled Variance	5.530857214		
Hypothesized Ma	0		
df	8		
t Stat	-1.266641533		
P(T<=t) one-tail	0.120457686		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.240915392		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

Unequal Variance Assumption

	Cd	Ref	Lower
Mean	0.179156909	0.183956574	
Variance	0.000438767	1.81887E-05	
Observations	5	2	
Hypothesized Ma	0		
df	5		
t Stat	-0.487714999		
P(T<=t) one-tail	0.323191983		
t Critical one-tail	2.015049176		
P(T<=t) two-tail	0.646383966		
t Critical two-tail	2.570577635		

t-Test: Two-Sample Assuming Equal Variances

	Cd	Ref	Upper
Mean	0.179156909	0.188257081	
Variance	0.000438767	0.00032039	
Observations	5	5	
Hypothesized Ma	0		
df	8		
t Stat	-1.55008857		
P(T<=t) one-tail	0.079858002		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.159716004		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Cr	Ref	Site 2
Mean	0.629976581	0.910447761	
Variance	0.182561469	0.685524934	
Observations	5	5	
Pooled Variance	0.434043201		
Hypothesized Ma	0		
df	8		
t Stat	-0.673118873		
P(T<=t) one-tail	0.259919494		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.519838988		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Cr	Ref	Lower
Mean	0.629976581	0.691435464	
Variance	0.182561469	0.397520666	
Observations	5	5	
Pooled Variance	0.290041067		
Hypothesized Ma	0		
df	8		
t Stat	-0.767615366		
P(T<=t) one-tail	0.232383237		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.464766474		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Cr	Ref	Upper
Mean	0.629976581	0.870370037	
Variance	0.182561469	0.311940801	
Observations	5	5	
Pooled Variance	0.247251135		
Hypothesized Ma	0		
df	8		
t Stat	-0.764406024		
P(T<=t) one-tail	0.233385762		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.466571523		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Cu	Ref	Upper
Mean	7.354800937	7.586039216	
Variance	0.389052893	0.214453368	
Observations	5	5	
Pooled Variance	0.301753131		
Hypothesized Ma	0		
df	8		
t Stat	-0.700125723		
P(T<=t) one-tail	0.251448322		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.503696645		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Pb	Ref	Site 1
Mean	0.429742	0.452509	
Variance	0.005529	0.003494	
Observatio	5	5	
Pooled Var	0.004511		
Hypothesis	0		
df	8		
t Stat	-0.488851		
P(T<=t) on	0.319033		
t Critical on	1.85954		
P(T<=t) tw	0.638067		
t Critical tw	2.306006		

t-Test: Two-Sample Assuming Equal Variances

	Pb	Ref	Site 2
Mean	0.429742389	5.842217484	
Variance	0.005529153	0.528005533	
Observations	5	5	
Pooled Variance	0.266767343		
Hypothesized Ma	0		
df	8		
t Stat	-16.56912536		
P(T<=t) one-tail	8.18946E-08		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	1.77788E-07		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Pb	Ref	Lower
Mean	0.429742389	7.588039216	
Variance	0.005529153	0.214453368	
Observations	5	5	
Pooled Variance	0.109991261		
Hypothesized Ma	0		
df	8		
t Stat	-34.17487187		
P(T<=t) one-tail	2.59875E-10		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	5.87345E-10		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Pb	Ref	Upper
Mean	0.429742389	7.588039216	
Variance	0.005529153	0.214453368	
Observations	5	5	
Pooled Variance	0.109991261		
Hypothesized Ma	0		
df	8		
t Stat	-34.17487187		
P(T<=t) one-tail	2.59875E-10		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	5.87345E-10		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Hg	Ref	Upper
Mean	0.079625293	0.567538126	
Variance	0.000164538	0.027387377	
Observations	5	5	
Pooled Variance	0.013775957		
Hypothesized Ma	0		
df	8		
t Stat	-6.57281411		
P(T<=t) one-tail	8.71313E-05		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.000174263		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Ni	Ref	Site 2
Mean	1.080796253	1.173803638	
Variance	0.142335421	0.325228109	
Observations	5	5	
Pooled Variance	0.233781765		
Hypothesized Ma	0		
df	8		
t Stat	-0.317994154		
P(T<=t) one-tail	0.379315761		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.758631522		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Ni	Ref	Lower
Mean	1.080796253	1.361881785	
Variance	0.142335421	0.269033637	
Observations	5	5	
Pooled Variance	0.202684529		
Hypothesized Ma	0		
df	8		
t Stat	-0.987184202		
P(T<=t) one-tail	0.176222435		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.35246487		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Ni	Ref	Upper
Mean	1.080796253	1.493464052	
Variance	0.142335421	0.198321159	
Observations	5	5	
Pooled Variance	0.170328029		
Hypothesized Ma	0		
df	8		
t Stat	-1.580982976		
P(T<=t) one-tail	0.076268871		
t Critical one-tail	1.85954832		
P(T<=t) two-tail	0.152537742		
t Critical two-tail	2.306005626		

t-Test: Two-Sample Assuming Equal Variances

	Se	Ref	Site 2
Mean	2.177985948	2.314498934	
Variance	0.002759435	0

Appendix Table E-3. Clam Tissue Replicate and Mean Concentration Data and Statistical Test Results - PESTICIDE Compounds

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
2,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDD	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDE	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tDDT	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC-alpha	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC-beta	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC-delta	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BHC-gamma	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane-alpha	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane-gamma	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-Nonachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DCPA (Dacthal)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dicofol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-I	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan-II	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Ketone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Kepone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mirex	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Oxychlordane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perthane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-Nonachlor	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - not detected above the analytical reporting limit.

Appendix Table E-4. Worm Tissue Replicate and Mean Concentration Data and Statistical Test Results - PESTICIDE Compounds

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	Average	SE	2C -A	2C -B	2C -C	2C -D	2C -E	Average	SE	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Average	SE	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
2,4'-DDD	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
2,4'-DDE	ND	ND	ND	ND	149.4	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
2,4'-DDT	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	16.9	ND	ND	-	-	ND	ND	ND	ND	ND
4,4'-DDD	97.6	ND	175.2	130.6	126.6	132.5	14.3	121.6	101	114.8	114	66.2	103.5	9.9	ND	ND	ND	ND	ND	52.6	131.8	111.7	193.5	149.8	127.9	23.2	ND	ND	ND	ND	ND
4,4'-DDE	45.7	26.6	41.1	32.6	56.7	40.5	5.2	83	53	79.4	59.8	51.4	65.3	6.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
4,4'-DDT	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
tDDT	143.3	26.6	216.3	163.2	332.7	176.4	49.9	204.6	154	194.2	173.8	117.6	168.8	15.5	0	0	0	0	0	52.6	131.8	128.6	193.5	149.8	131.3	22.8	0	0	0	0	0
Aldrin	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
BHC-alpha	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
BHC-beta	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
BHC-delta	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
BHC-gamma	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Chlordane-alpha	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Chlordane-gamma	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
cis-Nonachlor	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
DCPA (Dacthal)	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Dicofol	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Dieldrin	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endosulfan-I	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endosulfan-II	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endrin	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endrin Aldehyde	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Endrin Ketone	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Heptachlor	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Heptachlor Epoxide	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Kepone	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Methoxychlor	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Mirex	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Oxychlordane	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Perthane	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
trans-Nonachlor	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND
Toxaphene	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	-	-	ND	ND	ND	ND	ND

	Site 1			Site 2			Lower Stratum			Upper Stratum			REF		
Pesticide	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n
2,4'-DDD	ND	-	0	ND	-	0	ND	-	0	ND	-	0	ND	-	0
2,4'-DDE	149.4	-	1	ND	-	0	ND	-	0	ND	-	0	ND	-	0
2,4'-DDT	ND	-	0	ND	-	0	ND	-	0	16.9	-	1	ND	-	0
4,4'-DDD	132.5	14.3	4	103.5	9.9	5	ND	-	0	127.9	23.2	5	ND	-	0
4,4'-DDE	40.5	5.2	5	65.3	6.7	5	ND	-	0	ND	-	0	ND	-	0
4,4'-DDT	ND	-	0	ND	-	0	ND	-	0	ND	-	0	ND	-	0
tDDT (wet weight)	176.4	49.9	5	168.8	15.5	5	0	-	0	131.3	22.8	5	0	-	0
tDDT (dry weight)	816	231	5	900	83	5	0	-	0	715	124	5	0	-	0

Statistical tests not conducted due to lack of detection in Reference Tissues

Pesticides were not detected in Clam Tissues

n - number of replicates in which an analyte was reported above the detection limit.

Percent Solids:		
Worm	Average	SE
Site 1	21.62	3.05
Site 2	18.76	0.19
Lower	16.58	0.61
Upper	18.36	0.31
Reference	17.08	0.30

Appendix Table E-5. Clam Tissue Replicate and Mean Concentration Data and Statistical Test Results - PCB Congeners

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
PCB008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB037	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB049	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB052	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB066	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB070	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB077	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB081	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB087	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB095	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB099	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB118	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB138	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB149	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB151	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB153	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB156	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB157	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB158	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB167	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB168+132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB169	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB174	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB177	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB180	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB187	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB189	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB194	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB195	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - not detected above the analytical reporting limit.

Appendix Table E-6. Worm Tissue Replicate and Mean Concentration Data and Statistical Test Results - PCB Congeners

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
PCB008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB018	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB031	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB033	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND
PCB037	10.7	ND	ND	31.2	48.5	59.2	ND	25.2	15.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB044	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB049	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB052	42	9.9	13.5	31.3	28.7	55.3	40.4	31	26.2	49.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB066	ND	ND	ND	ND	ND	18.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB070	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB074	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB077	ND	ND	27.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB081	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND
PCB087	ND	ND	ND	5.500	ND	ND	ND	ND	8.900	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB095	32.90	12.70	27.10	25.40	27.50	63.80	34.80	19.40	41.20	29.10	1.50	3.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.30	ND	2.00
PCB097	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB099	ND	10.40	14.10	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND	ND	ND	ND	ND	ND	ND	1.70	ND	ND	ND	1.20
PCB101	53.70	38.10	46.40	30.80	35.60	42.20	58.10	29.40	26.50	44.00	2.80	ND	ND	3.90	ND	ND	ND	ND	ND	ND	4.50	ND	ND	3.20	2.60
PCB105	ND	6.00	ND	30.50	ND	ND	ND	ND	ND	19.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB110	34.60	18.30	15.00	26.90	30.20	37.20	17.60	30.40	28.30	28.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.10
PCB114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB118	23.80	14.50	27.00	17.90	19.70	31.80	19.50	9.20	11.30	28.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.50	ND	ND	ND
PCB119	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB123	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB126	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB128	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB138	19	20.7	30.5	16.5	46	17.5	18.6	34.8	29.5	35.9	12.9	14	2.7	11.7	ND	ND	ND	ND	ND	ND	7.9	8.7	7.2	7.7	15.9
PCB141	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB149	16.2	10.9	18.8	17.6	20	20	ND	11.7	12.3	30	2.2	4.9	ND	2.1	ND	ND	ND	ND	ND	ND	2.3	5.3	6	5.1	6.6
PCB151	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB153	26.6	13.8	34.5	47.1	36.6	33.7	52.2	38.8	29.3	29.6	10.2	11.7	4	7.9	ND	ND	ND	ND	ND	ND	9.6	13.1	11.5	9.9	13.8
PCB156	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB157	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB158	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB167	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB168+132	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB169	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB170	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB174	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB177	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB180	ND	ND	ND	ND	ND	18.1	18.1	18.1	18.1	ND	ND	4	1.4	1.3	ND	ND	ND	ND	ND	ND	ND	2.4	3.1	1.6	6.1
PCB183	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB187	ND	2.7	2.7	1.2	1.2	ND	ND	ND	ND	ND	3	5	ND	1	ND	ND	ND	ND	ND	ND	ND	3.7	ND	ND	4.6
PCB189	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB194	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB195	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5
PCB206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
(blank)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tPCB (wet)	259.5	158	257.3	281.9	294	396.9	259.3	248	249.7	293.4	32.6	55.2	8.1	30.9	ND	ND	ND	ND	ND	ND	26	40.5	30.1	28.7	57.4
tPCB (dry)	1200	731	1190	1304	1360	2116	1382	1322	1331	1564	197	333	49	186	ND	ND	ND	ND	ND	ND	152	237	176	168	336

	Site 1			Site 2			Lower Stratum			Upper Stratum			REF		
	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n
tPCBs (Wet Weight)	250.1	24.0	5	289.5	28.1	5	31.7	8.6	4	ND	-	0	36.5	5.8	5
tPCBs (Dry Weight)	1157.0	111.2	5	1543.0	149.7	5	191.2	51.9	4	ND	-	0	213.9	33.8	5

- Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, α=0.05, p<0.05)

PCBs were not detected in clam tissues.

Percent Solids:		
Worm	Average	SE
Site 1	21.62	3.05
Site 2	18.76	0.19
Lower	16.58	0.61
Upper	18.36	0.31
Reference	17.08	0.30

t-Test: Two-Sample Assuming Equal Variances

tPCB	*Ref*	*Site 1*
Mean	36.54	250.14
Variance	166.213	2890.263
Observations	5	5
Pooled Variance	1528.238	
Hypothesized M	0	
df	8	
t Stat	-8.639244308	
P(T<=t) one-tail	1.25041E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.50081E-05	
t Critical two-tail	2.306005626	

tPCB	*Ref*	*Site 2*
Mean	36.54	289.46
Variance	166.213	3942.073
Observations	5	5
Pooled Variance	2054.143	
Hypothesized M	0	
df	8	
t Stat	-8.823438044	
P(T<=t) one-tail	1.0716E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.14319E-05	
t Critical two-tail	2.306005626	

tPCB dry	*Ref*	*Site 1*
Mean	213.9344262	1156.984274
Variance	5697.564567	61833.80671
Observations	5	5
Pooled Variance	33765.68564	
Hypothesized M	0	
df	8	
t Stat	-8.114595338	
P(T<=t) one-tail	1.97065E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	3.9413E-05	
t Critical two-tail	2.306005626	

tPCB dry	*Ref*	*Site 2*
Mean	213.9344262	1542.963753
Variance	5697.564567	112010.5666
Observations	5	5
Pooled Variance	58854.06561	
Hypothesized M	0	
df	8	
t Stat	-8.661963194	
P(T<=t) one-tail	1.22665E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.4533E-05	
t Critical two-tail	2.306005626	

Appendix Table E-7. Clam Tissue Replicate and Mean Concentration Data and Statistical Test Results - PAH Compounds

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	2C - A	2C - B	2C - C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
1-Methylnaphthalene	5.0	4.8	4.6	4.2	4.8	5.8	6.0	9.4	9.2	4.2	31.4	24.0	5.3	7.0	64.8	19.5	21.8	8.1	13.6	24.3	3.6	4.2	6.2	7.5	ND
1-Methylphenanthrene	2.4	ND	ND	3.5	2.2	25.2	55.2	48.4	41.0	38.2	44.1	22.6	6.0	7.4	29.7	126.5	146.1	89.4	90.1	109.7	ND	ND	ND	7.7	ND
2,3,5-Trimethylnaphthalene	2.5	3.9	2.9	1.9	1.1	7.7	9.8	12.9	12.8	10.4	7.9	5.2	3.7	ND	5.3	18.5	22.2	11.6	13.9	16.9	ND	3.4	ND	ND	ND
2,6-Dimethylnaphthalene	6.3	4.8	8.0	6.3	7.4	12.1	12.8	16.4	17.4	11.3	29.6	20.1	7.6	8.6	38.1	15.0	17.5	6.4	9.3	15.5	6.7	10.0	11.7	16.3	ND
2-Methylnaphthalene	9.7	9.5	11.3	9.9	11.5	10.1	11.0	23.0	15.6	8.3	61.7	52.1	13.4	18.9	146.4	14.1	10.3	12.1	12.0	9.0	11.0	17.3	17.5	16.7	4.3
Acenaphthene	ND	6.4	2.7	2.0	ND	36.0	43.1	49.6	65.6	43.0	195.3	131.3	23.8	26.4	267.7	12.5	14.1	6.0	7.8	13.2	ND	3.9	ND	ND	ND
Acenaphthylene	7.0	9.0	8.2	8.9	7.2	8.1	6.0	9.7	8.8	8.9	7.6	5.0	1.1	2.0	7.1	1.2	1.8	1.3	ND	ND	ND	1.8	ND	1.8	ND
Anthracene	37.7	41.4	44.0	38.9	33.8	177.6	210.6	210.6	213.8	173.7	187.6	90.0	20.5	28.0	103.8	47.7	45.3	25.8	20.7	43.3	ND	ND	ND	ND	ND
Benz[a]anthracene	35.3	32.5	40.5	31.4	21.7	485.0	543.9	572.7	525.4	458.8	95.9	59.2	6.4	18.9	42.8	74.3	59.5	46.7	57.1	53.7	ND	ND	ND	ND	ND
Benzo[a]pyrene	374.9	337.2	361.6	287.8	281.0	371.4	449.4	429.5	371.6	399.2	11.3	5.6	ND	1.1	2.8	30.9	19.3	18.8	20.2	21.2	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	421.0	497.4	434.2	418.0	394.8	512.7	561.3	603.0	531.0	525.0	16.1	10.9	ND	6.1	10.6	21.5	24.6	17.6	10.9	20.8	ND	ND	ND	ND	ND
Benzo[e]pyrene	300.5	280.4	324.9	240.5	255.3	380.6	417.4	458.3	366.4	401.3	11.3	8.6	ND	3.1	4.7	66.8	65.3	40.9	68.6	65.4	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	48.9	45.7	59.4	45.1	34.8	49.8	35.6	45.2	54.2	42.3	ND	ND	ND	ND	ND	2.4	5.6	9.8	ND	7.9	ND	ND	ND	ND	2.5
Benzo[k]fluoranthene	257.9	215.8	229.5	206.5	179.2	219.0	233.0	311.6	268.7	210.8	6.9	4.4	ND	ND	3.8	7.3	8.1	7.4	7.3	7.5	ND	ND	ND	ND	ND
Biphenyl	5.3	9.8	6.2	3.9	5.6	6.0	7.3	9.1	5.3	7.7	24.8	20.6	7.0	9.6	46.8	5.6	5.0	4.6	7.4	9.7	13.5	9.5	12.6	10.1	10.8
Chrysene	76.4	71.5	98.7	62.8	65.5	598.9	638.2	716.9	642.1	581.7	75.0	50.2	1.3	15.9	31.9	161.3	117.8	77.5	118.4	115.5	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	16.2	11.2	18.5	8.6	9.1	18.4	13.7	19.0	19.4	19.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzothiophene	3.1	10.7	6.0	3.3	2.8	18.1	24.9	21.1	28.1	19.0	65.9	38.5	5.5	13.3	51.3	18.1	20.0	9.7	10.9	19.0	3.2	4.7	ND	4.5	ND
Fluoranthene	28.0	30.6	41.8	41.0	27.3	1904.0	2160.2	2110.9	2053.2	1779.8	1352.7	722.9	88.9	171.2	506.0	93.9	89.8	80.4	80.8	78.9	21.4	10.9	14.0	27.3	8.9
Fluorene	6.8	7.3	9.6	7.5	8.7	32.4	38.2	45.9	48.0	36.3	205.7	139.4	22.3	33.8	262.9	11.4	16.0	8.4	7.8	15.0	9.8	10.5	7.5	14.6	7.8
Indeno[1,2,3-c,d]pyrene	71.6	56.4	66.3	56.2	51.8	60.2	77.7	74.1	51.0	77.8	39.3	23.2	24.7	16.9	31.9	19.5	9.1	26.1	28.4	28.9	ND	ND	ND	ND	ND
Naphthalene	10.8	16.4	13.3	13.2	12.2	10.9	10.3	18.3	14.9	10.8	93.5	44.7	17.0	18.8	196.9	12.5	11.5	11.8	13.7	11.2	8.0	13.2	11.3	15.5	1.4
Perylene	44.3	41.7	49.5	45.6	34.9	70.3	72.7	98.1	72.5	81.6	26.5	28.4	17.0	19.8	16.5	31.3	25.3	21.9	23.7	29.9	ND	ND	ND	ND	ND
Phenanthrene	27.3	26.6	29.5	27.5	26.7	158.4	214.8	223.9	247.0	178.8	1155.6	648.2	111.8	189.2	759.7	108.3	120.6	69.9	55.5	122.3	19.8	24.3	24.0	21.4	7.1
Pyrene	749.7	823.1	719.1	709.2	687.6	2522.6	2823.5	2878.3	2513.2	2389.6	6300.8	343.9	ND	79.3	245.6	463.5	388.9	273.4	438.2	378.3	ND	ND	16.8	7.0	ND
Total PAHs (Wet Weight)	2548.6	2594.1	2590.3	2283.7	2167.0	7701.3	8676.6	9015.9	8196.2	7517.5	10046.5	2499.0	383.3	695.3	2877.1	1383.6	1265.5	885.6	1116.3	1217.1	97.0	113.7	121.6	150.4	42.8
Total PAHs (Dry Weight)	18963	19301	19273	16992	16124	60832	68536	71216	64741	59380	75198	18705	2869	5204	21535	10341	9458	6619	8343	9096	700	820	877	1085	309

	Site 1			Site 2			Lower Stratum			Upper Stratum			REF		
	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n
Total PAHs (Wet Weight)	2436.7	88.6	5	8221.5	283.3	5	3300.2	1755.4	5	1173.6	83.9	0	105.1	17.8	5
Total PAHs (Dry Weight)	18130.5	659.3	5	64940.8	2237.7	5	24702.4	13139.1	5	8771.4	626.8	0	758.3	128.5	5

- Statistically significant higher result observed in test tissue compared to reference tissue concentration (n=5, α=0.05, p<0.05)

Percent Solids:		
Clam	Average	SE
Site 1	13.4	0.4
Site 2	12.7	0.2
Lower	13.4	0.4
Upper	13.4	0.1
Reference	13.9	0.5

WET Weight: t-Test: Two-Sample Assuming Equal Variances

tPAH	*Ref*	*Site 1*
Mean	105.1	2436.74
Variance	1586.3	39259.103
Observations	5	5
Pooled Variance	20422.7015	
Hypothesized Me	0	
df	8	
t Stat	-25.79733876	
P(T<=t) one-tail	2.73467E-09	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	5.46934E-09	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*Site 2*
Mean	105.1	8221.5
Variance	1586.3	401262.875
Observations	5	5
Pooled Variance	201424.5875	
Hypothesized M	0	
df	8	
t Stat	-28.59415092	
P(T<=t) one-tail	1.20989E-09	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.41978E-09	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*LC*
Mean	105.1	3300.24
Variance	1586.3	15406827.09
Observations	5	5
Pooled Variance	7704206.694	
Hypothesized Me	0	
df	8	
t Stat	-1.820102866	
P(T<=t) one-tail	0.053117676	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.106235351	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*UC*
Mean	105.1	1173.62
Variance	1586.3	35166.287
Observations	5	5
Pooled Variance	18376.2935	
Hypothesized M	0	
df	8	
t Stat	-12.46303172	
P(T<=t) one-tail	8.02871E-07	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	1.60574E-06	
t Critical two-tail	2.306005626	

DRY Weight: t-Test: Two-Sample Assuming Equal Variances

tPAH dry	*Ref*	*Site 1*
Mean	758.2972583	18130.50595
Variance	82576.95487	2173410.872
Observations	5	5
Pooled Variance	1127993.913	
Hypothesized Me	0	
df	8	
t Stat	-25.86256911	
P(T<=t) one-tail	2.68055E-09	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	5.3611E-09	
t Critical two-tail	2.306005626	

tPAH dry	*Ref*	*Site 2*
Mean	758.2972583	64940.75829
Variance	82576.95487	25035805.51
Observations	5	5
Pooled Variance	12559191.23	
Hypothesized M	0	
df	8	
t Stat	-28.6355503	
P(T<=t) one-tail	1.19609E-09	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.39218E-09	
t Critical two-tail	2.306005626	

tPAH dry	*Ref*	*Lower*
Mean	758.2972583	24702.39521
Variance	82576.95487	863177859.6
Observations	5	5
Pooled Variance	431630218.3	
Hypothesized Me	0	
df	8	
t Stat	-1.822269322	
P(T<=t) one-tail	0.052941768	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.105883535	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*Upper*
Mean	758.2972583	8771.449925
Variance	82576.95487	1964329.276
Observations	5	5
Pooled Variance	1023453.115	
Hypothesized M	0	
df	8	
t Stat	-12.52389579	
P(T<=t) one-tail	7.73505E-07	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	1.54701E-06	
t Critical two-tail	2.306005626	

Appendix Table E-8. Worm Tissue Replicate and Mean Concentration Data and Statistical Test Results - PAH Compounds

All units micrograms per kilogram

Parameter	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
1-Methylnaphthalene	3	4.8	1.5	ND	3.5	9.9	9.1	14.6	10	17	73.3	92.7	2.5	13.2	97.9	21.7	16.8	13	13	19.1	1.5	ND	2.6	1.2	1.5
1-Methylphenanthrene	ND	8.7	ND	ND	ND	19.6	ND	32.6	ND	ND	11.7	11.4	4.8	3.6	16.7	55.9	28.4	29.9	17.2	22.1	4.4	3.1	2.3	ND	1.9
2,3,5-Trimethylnaphthalene	ND	ND	ND	ND	1.8	9.4	7.2	3.7	4.5	7.4	14.7	13.7	5.9	4.1	36.4	9.7	8.5	6.2	ND	7.6	ND	5.5	2	ND	ND
2,6-Dimethylnaphthalene	11	12	10.3	7.6	14.6	8.4	18.1	13.8	21.4	13.4	23.7	37.2	2.3	14.4	28.7	15	8.4	18.4	16.8	8.3	10.4	7.5	7.8	10.7	8.4
2-Methylnaphthalene	10	10.3	2.7	1.7	14	7.1	6.6	10.6	6.6	4.6	72.3	99.2	2.7	15.5	120.1	14.8	3.7	8.9	16.8	3.1	3.7	5.6	6.9	8.8	3.4
Acenaphthene	5	1.7	ND	2.7	3	102.2	106.8	118	118.1	125.2	499.9	551.6	34.1	85.8	445.6	19.2	13.1	15.3	13.3	8.4	3.7	3.3	7.4	2.3	3.5
Acenaphthylene	8.1	4.9	5.4	5.3	5.6	12	9.6	6.6	9	9.5	9.2	15	3	3.3	9.5	ND	ND	ND	ND	ND	2.2	1.2	ND	1.8	ND
Anthracene	27.5	18.4	33.2	29.4	25	61.3	64.6	61.1	72.9	58.8	40.4	47.5	3.1	10.1	18.1	ND	5.3	ND	ND	ND	ND	ND	ND	ND	ND
Benz[a]anthracene	ND	ND	ND	ND	ND	94.6	148.7	126.7	142.1	105.3	20.4	20.4	ND	9.3	30.2	ND	ND	7.4	4.3	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	55.8	38.8	57.9	72.9	90.8	74.3	120.4	107.5	116.1	120	2.8	1.9	ND	ND	ND	ND	26.6	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	108.4	46.5	75	76.7	76.9	191.3	149.2	161.3	178.9	113.8	6.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[e]pyrene	115	54.4	111.5	80.9	132.3	143.8	154.7	158.7	192.7	129.7	4.9	3.9	ND	ND	ND	ND	25.8	ND	ND	6.9	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	32.3	ND	ND	14.4	26	32.1	38.1	15.1	37.2	ND	ND	ND	ND	ND	ND	ND	14.6	3.6	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	79.1	36.5	68.9	49.8	68.1	138.8	102.2	124.8	107.8	84.3	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Biphenyl	7.600	7.800	7.900	6.500	10.000	7.600	10.800	6.800	6.100	8.500	19.900	26.400	ND	4.300	30.700	13.200	7.100	8.900	15.800	7.500	4.100	1.600	4.000	1.600	3.900
Chrysene	64.700	23.400	47.600	40.300	67.200	304.000	429.100	281.300	363.200	225.400	31.700	30.400	ND	7.000	26.200	106.800	94.700	83.400	73.800	55.000	ND	ND	ND	ND	ND
Dibenz[a,h]anthracene	ND	ND	ND	6.800	ND	26.400	31.400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzothiophene	ND	ND	ND	ND	ND	9.400	5.600	5.200	18.000	9.500	36.400	34.700	2.400	6.200	19.100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	19.800	20.400	17.300	18.400	38.500	562.700	502.600	537.200	796.900	496.400	329.400	378.400	14.400	56.100	166.800	42.700	44.300	38.400	35.100	27.900	4.400	6.600	5.300	4.000	4.400
Fluorene	7.300	3.300	6.500	7.100	8.200	32.700	22.400	24.800	33.500	25.700	155.200	176.300	4.000	22.500	130.600	10.300	8.400	9.100	7.400	5.800	1.100	ND	2.500	3.700	1.300
Indeno[1,2,3-c,d]pyrene	22.500	ND	ND	8.300	ND	24.000	ND	22.700	28.500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	4.700	9.600	3.700	3.000	8.600	6.000	6.900	11.100	2.800	7.400	457.100	287.000	21.000	38.800	304.100	15.300	3.900	8.200	15.000	4.600	6.800	7.500	10.900	8.300	11.900
Perylene	ND	ND	ND	6.200	ND	ND	ND	ND	ND	ND	ND	5.400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	ND	ND	ND	ND	ND	38.400	27.600	45.900	47.100	40.100	295.200	309.200	10.600	51.100	206.700	23.000	5.100	8.700	5.900	11.000	13.100	12.000	10.600	7.000	8.200
Pyrene	348	148.8	245.5	260.9	468.8	848.4	635.3	700.1	1103.5	556.8	155.1	165.2	7.1	28.7	86.1	231.8	213.9	152	190.4	138.5	ND	ND	ND	ND	ND
Total PAHs (Wet)	929.8	450.3	694.9	698.9	1062.9	2764.4	2607	2590.2	3416.9	2158.8	2263.3	2307.5	117.9	374	1773.5	579.4	528.6	411.4	424.8	325.8	55.4	53.9	62.3	49.4	48.4
Total PAHs (Dry)	4301	2083	3214	3233	4916	14736	13897	13807	18214	11507	13651	13917	711	2256	10697	3156	2879	2241	2314	1775	324	316	365	289	283

	Site 1			Site 2			Lower Stratum			Upper Stratum			REF		
	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n	Average	SE	n
tPAHs (Wet)	767.4	105.9	5	2707.5	203.9	5	1367.2	469.0	5	454.0	44.9	5	53.9	2.5	5
tPAHs (Dry)	3549	490	5	14432	1087	5	8246	2829	5	2473	245	5	315	15	5

- Statistically signficant higher result observed in test tissue compared to reference tissue concentration (n=5, α=0.05, p<0.05)

Percent Solids:		
Worm	Average	SE
Site 1	21.62	3.05
Site 2	18.76	0.19
Lower	16.58	0.61
Upper	18.36	0.31
Reference	17.08	0.30

WET Weight: t-Test: Two-Sample Assuming Equal Variances

tPAH	*Ref*	*Site1*
Mean	53.88	767.36
Variance	30.827	56048.728
Observations	5	5
Pooled Variance	28039.7775	
Hypothesized M	0	
df	8	
t Stat	-6.73696865	
P(T<=t) one-tail	7.35032E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.000147006	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*Site 2*
Mean	53.88	2707.46
Variance	30.827	207854.298
Observations	5	5
Pooled Variance	103942.5625	
Hypothesized M	0	
df	8	
t Stat	-13.01384051	
P(T<=t) one-tail	5.76441E-07	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	1.15288E-06	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*LC*
Mean	53.88	1367.24
Variance	30.827	1099858.928
Observations	5	5
Pooled Variance	549944.8775	
Hypothesized M	0	
df	8	
t Stat	-2.800233255	
P(T<=t) one-tail	0.011594751	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.023189501	
t Critical two-tail	2.306005626	

tPAH	*Ref*	*UC*
Mean	53.88	454
Variance	30.827	10098.24
Observations	5	5
Pooled Variance	5064.5335	
Hypothesized M	0	
df	8	
t Stat	-8.889770318	
P(T<=t) one-tail	1.01433E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.02867E-05	
t Critical two-tail	2.306005626	

DRY Weight: t-Test: Two-Sample Assuming Equal Variances

tPAHs dry	*Ref*	*Site 1*
Mean	315.4566745	3549.306198
Variance	1056.7093	1199097.18
Observations	5	5
Pooled Variance	600076.9448	
Hypothesized M	0	
df	8	
t Stat	-6.600644474	
P(T<=t) one-tail	8.46364E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.000169273	
t Critical two-tail	2.306005626	

tPAH dry	*Ref*	*Site 2*
Mean	315.4566745	14432.08955
Variance	1056.7093	5905998.62
Observations	5	5
Pooled Variance	2953527.665	
Hypothesized M	0	
df	8	
t Stat	-12.9876508	
P(T<=t) one-tail	5.85422E-07	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	1.17084E-06	
t Critical two-tail	2.306005626	

tPAH dry	*Ref*	*Lower*
Mean	315.4566745	8246.320869
Variance	1056.7093	40009942.95
Observations	5	5
Pooled Variance	20005499.83	
Hypothesized M	0	
df	8	
t Stat	-2.80359847	
P(T<=t) one-tail	0.011534762	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	0.023069524	
t Critical two-tail	2.306005626	

tPAH dry	*Ref*	*Upper*
Mean	315.4566745	2472.766885
Variance	1056.7093	299571.3899
Observations	5	5
Pooled Variance	150314.0496	
Hypothesized M	0	
df	8	
t Stat	-8.797976864	
P(T<=t) one-tail	1.09452E-05	
t Critical one-tail	1.85954832	
P(T<=t) two-tail	2.18905E-05	
t Critical two-tail	2.306005626	

Appendix Table E-9. Clam and Worm Tissue Replicate and Mean Concentration Data and Statistical Test Results - PERCENT SOLIDS AND LIPID DATA
All units as percent.

CLAM Tissues	Site 1					Site 2					Lower Stratum					Upper Stratum					Reference				
	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
Percent Lipids	0.449	0.681	0.681	0.733	0.551	0.358	0.544	0.583	0.455	0.469	0.681	0.586	0.585	0.687	0.664	0.654	0.65	0.565	0.576	0.554	0.88	0.66	0.67	0.79	0.71
Percent Solids	12.7	13.3	13.7	14.7	12.8	12.3	13.1	12.5	12.4	13	14.2	14.3	13	12.9	12.4	13	13.6	13.5	13.7	13.1	14.3	12.8	12.7	14.5	15

WORM Tissues	Site 1					Site 2					Lower Stratum					Upper Stratum					Reference				
	1C - A	1C - B	1C - C	1C - D	1C - E	2C -A	2C -B	2C -C	2C -D	2C -E	LC - A	LC - B	LC - C	LC - D	LC - E	UC - A	UC - B	UC - C	UC - D	UC - E	Ref - A	Ref - B	Ref - C	Ref - D	Ref - E
Percent Lipids	1.61	1.77	1.66	1.39	1.27	1.63	1.62	1.8	1.61	1.95	1.79	1.98	0.63	1.44	1.59	1.86	1.57	1.56	1.54	1.75	1.32	1.37	1.18	1.61	1.73
Percent Solids	18.5	18.7	18.5	18.6	33.8	18.3	18.4	19.2	18.7	19.2	17.9	17.6	15.5	17.1	14.8	19.5	18	17.9	17.9	18.5	16.5	17.5	16.2	17.6	17.6

Percent Lipids:	Clam		Worm	
	Average	SE	Average	SE
Site 1	0.62	0.05	1.54	0.09
Site 2	0.48	0.04	1.72	0.07
Lower	0.641	0.023	1.486	0.233
Upper	0.600	0.022	1.656	0.063
Reference	0.742	0.041	1.442	0.100
All Samples	0.617		1.569	

Percent Solids:	Clam		Worm	
	Average	SE	Average	SE
Site 1	13.440	0.363	21.620	3.045
Site 2	12.7	0.2	18.8	0.2
Lower	13.4	0.4	16.6	0.6
Upper	13.4	0.1	18.4	0.3
Reference	13.9	0.5	17.1	0.3
All Samples	13.3		18.5	

CRG Marine Laboratories, Inc.
"A Center for Excellence in Analytical Chemistry and Environmental Microbiology"

February 08, 2008

AMEC Earth & Environmental
5510 Morehouse Drive
Suite 150
San Diego, CA 92121

Re:	CRG Marine Laboratories	Project ID:	2724c
	AMEC Earth & Environmental	Project ID:	POLA Berth 145

ATTN: Nick Buhbe

CRG Laboratories is pleased to provide you with the enclosed analytical data report for your POLA Berth 145 project. According to the chain-of-custody, 50 samples were received intact at CRG on 12/21/2007. Per your instructions, the samples were analyzed for:

- Percent Lipids Using Method Gravimetric
- Percent Solids Using Method EPA 160.3
- Trace Metals By ICPMS Using Method EPA 6020m
- Mercury (Hg) By CVAFS Using Method EPA 245.7m
- Aroclor PCBs By GCMS Using Method EPA 8270Cm
- Chlorinated Pesticides By GCMS Using Method EPA 8270Cm
- PCB Congeners By GCMS Using Method EPA 8270Cm
- Polynuclear Aromatic Hydrocarbons By GCMS Using Method EPA 8270Cm

Please don't hesitate to call if you have any questions and thank you very much for using our laboratory for your analytical needs.

Regards,
Rich Gossett

Reviewed and Approved _____

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206 (310) 533-5190 FAX (310) 533-5003 crglabs@sbcglobal.net

Project Sample List

AMEC Earth & Environmental

CRG Project ID: **2724c**

Project Officer: Nick Buhbe

Project Description: POLA Berth 145

CRG Sample ID#	Client Sample ID	Sample Description	Date Sampled	Matrix
61726	Ref - A	Worms	13-Dec-07	Tissue
61727	Ref - B	Clams	13-Dec-07	Tissue
61728	Ref - C	Clams	13-Dec-07	Tissue
61729	Ref - D	Worms	13-Dec-07	Tissue
61730	Ref - E	Clams	13-Dec-07	Tissue
61731	LC - A	Clams	13-Dec-07	Tissue
61732	LC - B	Clams	13-Dec-07	Tissue
61733	LC - C	Worms	13-Dec-07	Tissue
61734	LC - D	Worms	13-Dec-07	Tissue
61735	LC - E	Clams	13-Dec-07	Tissue
61736	UC - A	Worms	13-Dec-07	Tissue
61737	UC - B	Worms	13-Dec-07	Tissue
61738	UC - C	Worms	13-Dec-07	Tissue
61739	UC - D	Worms	13-Dec-07	Tissue
61740	UC - E	Worms	13-Dec-07	Tissue
61741	2C -A	Worms	13-Dec-07	Tissue
61742	2C -B	Worms	13-Dec-07	Tissue
61743	2C -C	Worms	13-Dec-07	Tissue
61744	2C -D	Worms	13-Dec-07	Tissue
61745	2C -E	Worms	13-Dec-07	Tissue
61746	1C - A	Worms	13-Dec-07	Tissue
61747	1C - B	Worms	13-Dec-07	Tissue
61748	1C - C	Worms	13-Dec-07	Tissue

Project Sample List

AMEC Earth & Environmental

CRG Project ID: **2724c**

Project Officer: Nick Buhbe

Project Description: POLA Berth 145

61749	1C - D	Worms	13-Dec-07	Tissue
61750	1C - E	Worms	13-Dec-07	Tissue
61751	Ref - A	Clams	13-Dec-07	Tissue
61752	Ref - B	Clams	13-Dec-07	Tissue
61753	Ref - C	Clams	13-Dec-07	Tissue
61754	Ref - D	Worms	13-Dec-07	Tissue
61755	Ref - E	Clams	13-Dec-07	Tissue
61756	LC - A	Clams	13-Dec-07	Tissue
61757	LC - B	Clams	13-Dec-07	Tissue
61758	LC - C	Clams	13-Dec-07	Tissue
61759	LC - D	Clams	13-Dec-07	Tissue
61760	LC - E	Clams	13-Dec-07	Tissue
61761	UC - A	Clams	13-Dec-07	Tissue
61762	UC - B	Clams	13-Dec-07	Tissue
61763	UC - C	Clams	13-Dec-07	Tissue
61764	UC - D	Clams	13-Dec-07	Tissue
61765	UC - E	Clams	13-Dec-07	Tissue
61766	2C -A	Clams	13-Dec-07	Tissue
61767	2C -B	Clams	13-Dec-07	Tissue
61768	2C -C	Clams	13-Dec-07	Tissue
61769	2C -D	Clams	13-Dec-07	Tissue
61770	2C -E	Clams	13-Dec-07	Tissue
61771	1C - A	Clams	13-Dec-07	Tissue
61772	1C - B	Clams	13-Dec-07	Tissue
61773	1C - C	Clams	13-Dec-07	Tissue

Project Sample List

AMEC Earth & Environmental

CRG Project ID: **2724c**

Project Officer: Nick Buhbe

Project Description: POLA Berth 145

61774	1C - D	Clams	13-Dec-07	Tissue
61775	1C - E	Clams	13-Dec-07	Tissue

CRG's QUALITY ASSURANCE PROGRAM SUMMARY

BATCH: CRG's Quality Assurance Program Document defines a batch as a group of 20 or fewer samples of similar matrix, processed together under the same conditions and with the same reagents. Quality control samples are associated with each batch and are used to assess the validity of the sample analyses. CRG typically uses batch sizes of 10-15 samples.

PROCEDURAL BLANKS: Laboratory contamination was controlled through the analysis of procedural blanks on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that all procedural blanks be below 10 times the MDL and all detectable constituents in the blanks be flagged in the sample results. The Procedural Blanks are presented in the Procedural Blank section of this report.

ACCURACY: Accuracy of the project data was indicated by analysis of matrix spikes, surrogate spikes, certified reference materials, positive controls, and/or laboratory control materials on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that 95% of the target compounds greater than 10 times the MDL be within the specified acceptance limits. The Acceptance Ranges are presented in the Accuracy Data section of this report.

PRECISION: Precision of the project data was determined by analysis of duplicate matrix spikes, blank spikes, and/or duplicate test sample analysis on a minimum frequency of 1 per batch. CRG's Quality Assurance Program Document requires that for 95% of the compounds >10 times the MDL, the % Relative Percent Difference (%RPD) should be within the specified acceptance range. The %RPD for the duplicate test sample analysis can be significantly affected by the homogeneity of the sample matrix within the sample container itself causing additional variability in the analytical results. In these cases, the QA/QC Acceptance Limits may be exceeded. The %RPD and Acceptance Ranges are presented in the Precision Data section of this report.

GLOSSARY OF TERMS

Qualifier	Definition
B	Analyte was detected in the associated method blank.
E	Analyte concentration exceeds the calibration range
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
M1	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference.
M2	The MS/MSD RPD was out of control due to matrix interference.
M3	Detection of the analyte was difficult due to matrix interference.
M4	Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.
ND or U	Parameter not detected at the indicated reporting limit.
NES	Not enough sample.
Q1	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.
Q2	The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.
Q3	RPD values are not accurate and not applicable because the results for R1 and/or R2 are lower than 10 times the MDL.
R	Analyte was removed by the sample preparation/extraction procedure as seen by the MS/MSD recoveries. RPD acceptance ranges do not apply.

Qualifier Summary for 2724c

Aroclor PCBs

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61730-R1	Ref - E	J	Aroclor 1254

Qualifier Summary for 2724c

Chlorinated Pesticides

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61755-R1	Ref - E	J	4,4'-DDE
61755-R2	Ref - E	Q3	Perthane

Qualifier Summary for 2724c

PCB Congeners

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61744-R1	2C -D	J	PCB049
61729-R1	Ref - D	J	PCB081
61734-R1	LC - D	J	PCB081
61728-R1	Ref - C	J	PCB095
61730-R1	Ref - E	J	PCB095
61731-R1	LC - A	J	PCB095
61732-R1	LC - B	J	PCB095
61735-R2	LC - E	J,Q3	PCB095
61726-R1	Ref - A	J	PCB099
61730-R1	Ref - E	J	PCB099
61732-R1	LC - B	J	PCB099
61726-R1	Ref - A	J	PCB101
61729-R1	Ref - D	J	PCB101
61730-R1	Ref - E	J	PCB101
61731-R1	LC - A	J	PCB101
61734-R1	LC - D	J	PCB101
61735-R2	LC - E	J,Q3	PCB101
61730-R1	Ref - E	J	PCB110
61727-R1	Ref - B	J	PCB118
61733-R1	LC - C	J	PCB138
61735-R2	LC - E	Q3	PCB138
61726-R1	Ref - A	J	PCB149
61731-R1	LC - A	J	PCB149
61732-R1	LC - B	J	PCB149
61734-R1	LC - D	J	PCB149
61735-R2	LC - E	J,Q3	PCB149
61733-R1	LC - C	J	PCB153
61735-R2	LC - E	Q3	PCB153
61732-R1	LC - B	J	PCB170
61727-R1	Ref - B	J	PCB180
61728-R1	Ref - C	J	PCB180
61729-R1	Ref - D	J	PCB180
61732-R1	LC - B	J	PCB180
61733-R1	LC - C	J	PCB180
61734-R1	LC - D	J	PCB180
61727-R1	Ref - B	J	PCB187

Qualifier Summary for 2724c

PCB Congeners

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61730-R1	Ref - E	J	PCB187
61731-R1	LC - A	J	PCB187
61734-R1	LC - D	J	PCB187
61747-R1	1C - B	J	PCB187
61748-R1	1C - C	J	PCB187
61749-R1	1C - D	J	PCB187
61750-R1	1C - E	J	PCB187
61730-R1	Ref - E	J	PCB201

Qualifier Summary for 2724c

Polynuclear Aromatic Hydrocarbons

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61726-R1	Ref - A	J	1-Methylnaphthalene
61728-R1	Ref - C	J	1-Methylnaphthalene
61729-R1	Ref - D	J	1-Methylnaphthalene
61730-R1	Ref - E	J	1-Methylnaphthalene
61733-R1	LC - C	J	1-Methylnaphthalene
61746-R1	1C - A	J	1-Methylnaphthalene
61747-R1	1C - B	J	1-Methylnaphthalene
61748-R1	1C - C	J	1-Methylnaphthalene
61750-R1	1C - E	J	1-Methylnaphthalene
61751-R1	Ref - A	J	1-Methylnaphthalene
61752-R1	Ref - B	J	1-Methylnaphthalene
61755-R2	Ref - E	J,Q3	1-Methylnaphthalene
61770-R1	2C -E	J	1-Methylnaphthalene
61772-R1	1C - B	J	1-Methylnaphthalene
61773-R1	1C - C	J	1-Methylnaphthalene
61774-R1	1C - D	J	1-Methylnaphthalene
61775-R1	1C - E	J	1-Methylnaphthalene
61775-R2	1C - E	Q3	1-Methylnaphthalene
61726-R1	Ref - A	J	1-Methylphenanthrene
61727-R1	Ref - B	J	1-Methylphenanthrene
61728-R1	Ref - C	J	1-Methylphenanthrene
61730-R1	Ref - E	J	1-Methylphenanthrene
61733-R1	LC - C	J	1-Methylphenanthrene
61734-R1	LC - D	J	1-Methylphenanthrene
61771-R1	1C - A	J	1-Methylphenanthrene
61774-R1	1C - D	J	1-Methylphenanthrene
61775-R1	1C - E	J	1-Methylphenanthrene
61775-R2	1C - E	J,Q3	1-Methylphenanthrene
61728-R1	Ref - C	J	2,3,5-Trimethylnaphthalene
61734-R1	LC - D	J	2,3,5-Trimethylnaphthalene
61735-R2	LC - E	Q3	2,3,5-Trimethylnaphthalene
61743-R1	2C -C	J	2,3,5-Trimethylnaphthalene
61744-R1	2C -D	J	2,3,5-Trimethylnaphthalene
61750-R1	1C - E	J	2,3,5-Trimethylnaphthalene
61752-R1	Ref - B	J	2,3,5-Trimethylnaphthalene
61758-R1	LC - C	J	2,3,5-Trimethylnaphthalene

Qualifier Summary for 2724c

Polynuclear Aromatic Hydrocarbons

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61771-R1	1C - A	J	2,3,5-Trimethylnaphthalene
61772-R1	1C - B	J	2,3,5-Trimethylnaphthalene
61773-R1	1C - C	J	2,3,5-Trimethylnaphthalene
61774-R1	1C - D	J	2,3,5-Trimethylnaphthalene
61775-R1	1C - E	J	2,3,5-Trimethylnaphthalene
61775-R2	1C - E	J	2,3,5-Trimethylnaphthalene
61733-R1	LC - C	J	2,6-Dimethylnaphthalene
61755-R2	Ref - E	Q3	2,6-Dimethylnaphthalene
61772-R1	1C - B	J	2,6-Dimethylnaphthalene
61726-R1	Ref - A	J	2-Methylnaphthalene
61730-R1	Ref - E	J	2-Methylnaphthalene
61733-R1	LC - C	J	2-Methylnaphthalene
61737-R1	UC - B	J	2-Methylnaphthalene
61740-R1	UC - E	J	2-Methylnaphthalene
61745-R1	2C -E	J	2-Methylnaphthalene
61748-R1	1C - C	J	2-Methylnaphthalene
61749-R1	1C - D	J	2-Methylnaphthalene
61755-R1	Ref - E	J	2-Methylnaphthalene
61755-R2	Ref - E	J,Q3	2-Methylnaphthalene
61726-R1	Ref - A	J	Acenaphthene
61727-R1	Ref - B	J	Acenaphthene
61729-R1	Ref - D	J	Acenaphthene
61730-R1	Ref - E	J	Acenaphthene
61747-R1	1C - B	J	Acenaphthene
61749-R1	1C - D	J	Acenaphthene
61750-R1	1C - E	J	Acenaphthene
61752-R1	Ref - B	J	Acenaphthene
61773-R1	1C - C	J	Acenaphthene
61774-R1	1C - D	J	Acenaphthene
61775-R2	1C - E	J,Q3	Acenaphthene
61726-R1	Ref - A	J	Acenaphthylene
61727-R1	Ref - B	J	Acenaphthylene
61729-R1	Ref - D	J	Acenaphthylene
61733-R1	LC - C	J	Acenaphthylene
61734-R1	LC - D	J	Acenaphthylene
61747-R1	1C - B	J	Acenaphthylene

Qualifier Summary for 2724c

Polynuclear Aromatic Hydrocarbons

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61752-R1	Ref - B	J	Acenaphthylene
61754-R1	Ref - D	J	Acenaphthylene
61758-R1	LC - C	J	Acenaphthylene
61759-R1	LC - D	J	Acenaphthylene
61761-R1	UC - A	J	Acenaphthylene
61762-R1	UC - B	J	Acenaphthylene
61763-R1	UC - C	J	Acenaphthylene
61733-R1	LC - C	J	Anthracene
61735-R2	LC - E	Q3	Benz[a]anthracene
61739-R1	UC - D	J	Benz[a]anthracene
61731-R1	LC - A	J	Benzo[a]pyrene
61732-R1	LC - B	J	Benzo[a]pyrene
61759-R1	LC - D	J	Benzo[a]pyrene
61760-R1	LC - E	J	Benzo[a]pyrene
61731-R1	LC - A	J	Benzo[e]pyrene
61732-R1	LC - B	J	Benzo[e]pyrene
61759-R1	LC - D	J	Benzo[e]pyrene
61760-R1	LC - E	J	Benzo[e]pyrene
61738-R1	UC - C	J	Benzo[g,h,i]perylene
61755-R1	Ref - E	J	Benzo[g,h,i]perylene
61755-R2	Ref - E	J	Benzo[g,h,i]perylene
61761-R1	UC - A	J	Benzo[g,h,i]perylene
61731-R1	LC - A	J	Benzo[k]fluoranthene
61757-R1	LC - B	J	Benzo[k]fluoranthene
61760-R1	LC - E	J	Benzo[k]fluoranthene
61726-R1	Ref - A	J	Biphenyl
61727-R1	Ref - B	J	Biphenyl
61728-R1	Ref - C	J	Biphenyl
61729-R1	Ref - D	J	Biphenyl
61730-R1	Ref - E	J	Biphenyl
61734-R1	LC - D	J	Biphenyl
61763-R1	UC - C	J	Biphenyl
61774-R1	1C - D	J	Biphenyl
61755-R2	Ref - E	J	Chrysene
61758-R1	LC - C	J	Chrysene
61733-R1	LC - C	J	Dibenzothiophene

Qualifier Summary for 2724c

Polynuclear Aromatic Hydrocarbons

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61751-R1	Ref - A	J	Dibenzothiophene
61752-R1	Ref - B	J	Dibenzothiophene
61754-R1	Ref - D	J	Dibenzothiophene
61771-R1	1C - A	J	Dibenzothiophene
61774-R1	1C - D	J	Dibenzothiophene
61775-R1	1C - E	J	Dibenzothiophene
61775-R2	1C - E	J	Dibenzothiophene
61726-R1	Ref - A	J	Fluoranthene
61729-R1	Ref - D	J	Fluoranthene
61730-R1	Ref - E	J	Fluoranthene
61726-R1	Ref - A	J	Fluorene
61728-R1	Ref - C	J	Fluorene
61729-R1	Ref - D	J	Fluorene
61730-R1	Ref - E	J	Fluorene
61733-R1	LC - C	J	Fluorene
61747-R1	1C - B	J	Fluorene
61737-R1	UC - B	J	Naphthalene
61740-R1	UC - E	J	Naphthalene
61744-R1	2C -D	J	Naphthalene
61746-R1	1C - A	J	Naphthalene
61748-R1	1C - C	J	Naphthalene
61749-R1	1C - D	J	Naphthalene
61755-R1	Ref - E	J	Naphthalene
61755-R2	Ref - E	J,Q3	Naphthalene
61755-R2	Ref - E	J,Q3	Phenanthrene

Qualifier Summary for 2724c

Trace Metals

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61727-R1	Ref - B	J	Aluminum (Al)
61729-R1	Ref - D	J	Aluminum (Al)
61730-R1	Ref - E	J	Aluminum (Al)
61732-R1	LC - B	J	Aluminum (Al)
61738-R1	UC - C	J	Aluminum (Al)
61745-R1	2C -E	J	Aluminum (Al)
61747-R1	1C - B	J	Aluminum (Al)
61748-R1	1C - C	J	Aluminum (Al)
61749-R1	1C - D	J	Aluminum (Al)
61727-R1	Ref - B	J	Barium (Ba)
61729-R1	Ref - D	J	Barium (Ba)
61747-R1	1C - B	J	Barium (Ba)
61748-R1	1C - C	J	Barium (Ba)
61749-R1	1C - D	J	Barium (Ba)
61726-R1	Ref - A	J	Cadmium (Cd)
61726-R2	Ref - A	J	Cadmium (Cd)
61727-R1	Ref - B	J	Cadmium (Cd)
61728-R1	Ref - C	J	Cadmium (Cd)
61729-R1	Ref - D	J	Cadmium (Cd)
61730-R1	Ref - E	J	Cadmium (Cd)
61731-R1	LC - A	J	Cadmium (Cd)
61732-R1	LC - B	J	Cadmium (Cd)
61736-R1	UC - A	J	Cadmium (Cd)
61737-R1	UC - B	J	Cadmium (Cd)
61738-R1	UC - C	J	Cadmium (Cd)
61739-R1	UC - D	J	Cadmium (Cd)
61740-R1	UC - E	J	Cadmium (Cd)
61743-R1	2C -C	J	Cadmium (Cd)
61746-R1	1C - A	J	Cadmium (Cd)
61748-R1	1C - C	J	Cadmium (Cd)
61750-R1	1C - E	J	Cadmium (Cd)
61750-R2	1C - E	J	Cadmium (Cd)
61751-R1	Ref - A	J	Cadmium (Cd)
61752-R1	Ref - B	J	Cadmium (Cd)
61753-R1	Ref - C	J	Cadmium (Cd)
61754-R1	Ref - D	J	Cadmium (Cd)

Qualifier Summary for 2724c

Trace Metals

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61756-R1	LC - A	J	Cadmium (Cd)
61757-R1	LC - B	J	Cadmium (Cd)
61758-R1	LC - C	J	Cadmium (Cd)
61759-R1	LC - D	J	Cadmium (Cd)
61760-R1	LC - E	J	Cadmium (Cd)
61761-R1	UC - A	J	Cadmium (Cd)
61762-R1	UC - B	J	Cadmium (Cd)
61763-R1	UC - C	J	Cadmium (Cd)
61764-R1	UC - D	J	Cadmium (Cd)
61765-R1	UC - E	J	Cadmium (Cd)
61766-R1	2C -A	J	Cadmium (Cd)
61767-R1	2C -B	J	Cadmium (Cd)
61768-R1	2C -C	J	Cadmium (Cd)
61769-R1	2C -D	J	Cadmium (Cd)
61770-R1	2C -E	J	Cadmium (Cd)
61771-R1	1C - A	J	Cadmium (Cd)
61773-R1	1C - C	J	Cadmium (Cd)
61774-R1	1C - D	J	Cadmium (Cd)
61775-R1	1C - E	J	Cadmium (Cd)
61726-R1	Ref - A	J	Mercury (Hg)
61726-R2	Ref - A	J	Mercury (Hg)
61727-R1	Ref - B	J	Mercury (Hg)
61728-R1	Ref - C	J	Mercury (Hg)
61729-R1	Ref - D	J	Mercury (Hg)
61730-R1	Ref - E	J	Mercury (Hg)
61731-R1	LC - A	J	Mercury (Hg)
61732-R1	LC - B	J	Mercury (Hg)
61733-R1	LC - C	J	Mercury (Hg)
61734-R1	LC - D	J	Mercury (Hg)
61735-R1	LC - E	J	Mercury (Hg)
61736-R1	UC - A	J	Mercury (Hg)
61737-R1	UC - B	J	Mercury (Hg)
61739-R1	UC - D	J	Mercury (Hg)
61740-R1	UC - E	J	Mercury (Hg)
61741-R1	2C -A	J	Mercury (Hg)
61742-R1	2C -B	J	Mercury (Hg)

Qualifier Summary for 2724c

Trace Metals

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61743-R1	2C -C	J	Mercury (Hg)
61744-R1	2C -D	J	Mercury (Hg)
61745-R1	2C -E	J	Mercury (Hg)
61746-R1	1C - A	J	Mercury (Hg)
61747-R1	1C - B	J	Mercury (Hg)
61748-R1	1C - C	J	Mercury (Hg)
61749-R1	1C - D	J	Mercury (Hg)
61750-R1	1C - E	J	Mercury (Hg)
61750-R2	1C - E	J	Mercury (Hg)
61754-R1	Ref - D	J	Mercury (Hg)
61756-R1	LC - A	J	Mercury (Hg)
61758-R1	LC - C	J	Mercury (Hg)
61759-R1	LC - D	J	Mercury (Hg)
61763-R1	UC - C	J	Mercury (Hg)
61764-R1	UC - D	J	Mercury (Hg)
61765-R1	UC - E	J	Mercury (Hg)
61766-R1	2C -A	J	Mercury (Hg)
61767-R1	2C -B	J	Mercury (Hg)
61726-R1	Ref - A	J	Silver (Ag)
61727-R1	Ref - B	J	Silver (Ag)
61728-R1	Ref - C	J	Silver (Ag)
61731-R1	LC - A	J	Silver (Ag)
61732-R1	LC - B	J	Silver (Ag)
61733-R1	LC - C	J	Silver (Ag)
61734-R1	LC - D	J	Silver (Ag)
61736-R1	UC - A	J	Silver (Ag)
61737-R1	UC - B	J	Silver (Ag)
61738-R1	UC - C	J	Silver (Ag)
61740-R1	UC - E	J	Silver (Ag)
61742-R1	2C -B	J	Silver (Ag)
61743-R1	2C -C	J	Silver (Ag)
61744-R1	2C -D	J	Silver (Ag)
61746-R1	1C - A	J	Silver (Ag)
61747-R1	1C - B	J	Silver (Ag)
61750-R2	1C - E	J	Silver (Ag)
61752-R1	Ref - B	J	Silver (Ag)

Qualifier Summary for 2724c

Trace Metals

Sample ID	*Client Sample ID*	*Qualifier*	*Parameter*
61754-R1	Ref - D	J	Silver (Ag)
61772-R1	1C - B	J	Silver (Ag)
61775-R1	1C - E	J	Silver (Ag)
61733-R1	LC - C	J	Tin (Sn)
61734-R1	LC - D	J	Tin (Sn)
61752-R1	Ref - B	J	Tin (Sn)
61760-R1	LC - E	J	Tin (Sn)
61776-CRM2	QAQC	Q3	Tin (Sn)

DATA REPORT

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1	**Ref - AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61727-R1	**Ref - BWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61728-R1	**Ref - CWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61729-R1	**Ref - DWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61730-R1	**Ref - EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	16.7	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61731-R1	**LC - AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61732-R1	**LC - BWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61733-R1	**LC - CWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61734-R1	**LC - DWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61735-R1	**LC - EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1248		NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1254		NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aroclor 1260		NA	ND	10	20	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61736-R1	**UC - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61737-R1	**UC - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61738-R1	**UC - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254		NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61739-R1	**UC - DWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61740-R1	**UC - EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61741-R1	**2C -AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	303.9	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61742-R1	**2C -BWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	143.8	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61743-R1	**2C -CWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	247.8	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61744-R1	**2C -DWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	230.8	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61745-R1	**2C -EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	228.7	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61746-R1	**1C - AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	281.9	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61747-R1	**1C - BWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	149.1	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61748-R1	**1C - CWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	122.6	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61749-R1	**1C - DWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	219.8	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61750-R1	**1C - EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	246.1	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61751-R1	**Ref - AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61752-R1	**Ref - BClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61753-R1	**Ref - CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61754-R1	**Ref - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61755-R1 **Ref - EClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61756-R1 **LC - AClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61757-R1 **LC - BClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61758-R1	**LC - CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61759-R1	**LC - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61760-R1	**LC - EClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61761-R1	**UC - AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61762-R1	**UC - BClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61763-R1	**UC - CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61764-R1	**UC - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61765-R1	**UC - EClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1254	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61766-R1	**2C -AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61767-R1	**2C -BClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61768-R1	**2C -CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61769-R1	**2C -DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61770-R1	**2C -EClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61771-R1	**1C - AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61772-R1	**1C - BClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61773-R1	**1C - CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61774-R1	**1C - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Aroclor PCBs

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61775-R1	**1C - EClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aroclor 1016	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1221	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1232	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1242	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1248	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aroclor 1260	NA	ND	10	20	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1 Ref - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	87			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	72			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	92			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61727-R1 Ref - BWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	89			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	73			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	94			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61728-R1	**Ref - CWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	89			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	71			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61729-R1 **Ref - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB030)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	88			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	71			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	94			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61730-R1 **Ref - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	98			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	86			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	71			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	99			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61731-R1	**LC - AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	92			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	82			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	64			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	93			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61732-R1 LC - BWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	96	% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	86	% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB198)	NA	72			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61733-R1 LC - CWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	56			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	48			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	40			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	69			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61734-R1 **LC - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	97			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	85			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	67			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61735-R1 LC - EWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	96		% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB112)	NA	87		% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(PCB198)	NA	70		% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(TCMX)	NA	96		% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perthane	NA	ND	5	10	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61736-R1 UC - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	102			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	121			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	119			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	52.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61737-R1 **UC - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	105			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	120			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	117			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	101			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	131.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61738-R1 UC - CWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	110			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	16.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	111.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61739-R1 UC - DWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	111			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	119			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	117			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	193.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61740-R1 UC - EWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	115			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	110			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	149.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61741-R1 2C -AWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	111			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	110			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
4,4'-DDD	NA	121.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	83	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61742-R1 2C -BWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	96			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	101	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	53	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61743-R1 2C -CWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	104			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	114.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	79.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61744-R1 2C -DWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	102			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	114	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	59.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61745-R1 **2C -EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB030)	NA	105			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	89			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	66.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	51.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61746-R1	**1C - AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	105			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	97.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	45.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61747-R1 **1C - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	84			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	26.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61748-R1 **1C - CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	105		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	104		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB198)	NA	105			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	102			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	175.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	41.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61749-R1 **1C - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	94			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	110			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	130.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	32.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61750-R1 **1C - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	104			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	114			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	149.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	126.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	56.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61751-R1 **Ref - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	110		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	114		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	111		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	106		% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	88.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61752-R1 **Ref - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	107			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	101			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	104			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	82.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61753-R1 **Ref - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	85.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61754-R1 **Ref - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	103			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	101			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	70.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61755-R1 **Ref - EClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	100			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB112)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(PCB198)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(TCMX)	NA	91			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
4,4'-DDE	NA	2.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Kepone	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perthane	NA	118.1	5	10	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34019	2/8/2008	2/11/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61756-R1 LC - AClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	90			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	82			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61757-R1 LC - BClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	90			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	95			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	82			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61758-R1 **LC - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(PCB112)	NA	102			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	88			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	88			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61759-R1	**LC - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	84			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	78			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	82			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61760-R1 LC - EClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	103			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	106			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	93			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	92			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61761-R1 **UC - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	90			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61762-R1 UC - BClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	99			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	97			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61763-R1 UC - CClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	93			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	83			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61764-R1	**UC - DClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61765-R1 UC - EClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(PCB030)	NA	106	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	99	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	95	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(TCMX)	NA	95			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61766-R1 2C -AClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	77			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	73			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	67			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	74			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDE	NA	27.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61767-R1 2C -BClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	101			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	93			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61768-R1 **2C -CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	95			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	97			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	85			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	92			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61769-R1 2C -DClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	99		% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	96		% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	84		% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	90		% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61770-R1 **2C -EClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	97			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	92			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61771-R1 1C - AClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	88			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	80			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61772-R1 **1C - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	99			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	86			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61773-R1 **1C - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	100			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	97			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	92			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDE	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61774-R1 1C - DClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(PCB030)	NA	100			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	101			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	85			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	93			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61775-R1 **1C - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(PCB030)	NA	101			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB112)	NA	98			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(PCB198)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(TCMX)	NA	96			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDD	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
4,4'-DDT	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Aldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-beta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-delta	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
BHC-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-alpha	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chlordane-gamma	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
cis-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
DCPA (dacthal)	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dicofol	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dieldrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endosulfan-I	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Chlorinated Pesticides

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Endosulfan-II	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Aldehyde	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Endrin Ketone	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Methoxychlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Mirex	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Oxychlordane	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perthane	NA	ND	5	10	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Toxaphene	NA	ND	10	50	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
trans-Nonachlor	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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General Chemistry

ANALYTICAL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1	**Ref - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.32	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	16.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61727-R1	**Ref - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.37	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61728-R1	**Ref - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.18	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	16.2	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61729-R1	**Ref - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.61	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.6	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61730-R1	**Ref - EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.73	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.6	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61731-R1	**LC - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.79	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.9	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61732-R1	**LC - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.98	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.6	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61733-R1	**LC - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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General Chemistry

ANALYTICAL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Percent Lipids		NA	0.63	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	15.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61734-R1	**LC - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.44	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.1	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61735-R1	**LC - EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.59	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	14.8	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61736-R1	**UC - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.86	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	19.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61737-R1	**UC - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.57	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61738-R1	**UC - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.56	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.9	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61739-R1	**UC - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.54	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	17.9	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61740-R1	**UC - EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.75	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	

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General Chemistry

ANALYTICAL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61741-R1	**2C -AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.63	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.3	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61742-R1	**2C -BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.62	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.4	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61743-R1	**2C -CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.8	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	19.2	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61744-R1	**2C -DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.61	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.7	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61745-R1	**2C -EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.95	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	19.2	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61746-R1	**1C - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.61	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61747-R1	**1C - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.77	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.7	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61748-R1	**1C - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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General Chemistry

ANALYTICAL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Percent Lipids		NA	1.66	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.5	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61749-R1	**1C - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.39	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	18.6	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61750-R1	**1C - EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	1.27	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
61751-R1	**Ref - AClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	0.88	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	14.3	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61752-R1	**Ref - BClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	0.66	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	12.8	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61753-R1	**Ref - CClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	0.67	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	12.7	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	
61754-R1	**Ref - DClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	0.79	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
61755-R1	**Ref - EClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Percent Lipids		NA	0.71	0.01	0.05	Percent	2724c-45139	1/5/2008	1/5/2008	Gravimetric	
Percent Solids		NA	15	0.1	0.1	Percent	2724c-18008	1/8/2008	1/8/2008	EPA 160.3	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1 Ref - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	1.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB101	NA	4.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	7.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	2.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	9.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61727-R1 **Ref - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	5.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	1.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	8.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	5.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	13.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	2.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	3.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61728-R1 **Ref - CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	2.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	7.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	11.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	3.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61729-R1 **Ref - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	1.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	3.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	7.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	5.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	9.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	1.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61730-R1 **Ref - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	1.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	2.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	2.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	15.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	6.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	13.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	6.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	4.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	2.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61731-R1 **LC - AWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	1.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	2.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	12.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	2.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	10.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61732-R1 LC - BWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	8.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	3.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB101	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	14	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	4.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	11.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61733-R1 LC - CWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	2.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	1.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61734-R1 **LC - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB081	NA	3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	3.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	11.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	2.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	7.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	1.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61735-R1 **LC - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61736-R1 **UC - AWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61737-R1 **UC - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61738-R1 **UC - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61739-R1 UC - DWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61740-R1 **UC - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61741-R1 **2C -AWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	59.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	55.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	63.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	42.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	37.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	31.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	17.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	20	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	33.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61742-R1 2C -BWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	40.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	34.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	58.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	17.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	19.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	18.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	52.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61743-R1 **2C -CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	25.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	31	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	19.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	29.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	30.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	9.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	34.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	11.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	38.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61744-R1 2C -DWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	15.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
PCB052	NA	26.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	8.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	41.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	26.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	28.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	11.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	29.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	12.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	29.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61745-R1 2C -EWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	49.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	29.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	44	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	19.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	28	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	28.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	35.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	30	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	29.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61746-R1 **1C - AWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB037	NA	10.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	42	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	32.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	53.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	34.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	23.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	19	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	16.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	26.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61747-R1 **1C - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	9.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	12.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	10.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	38.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	18.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	14.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	20.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	10.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	13.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	2.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61748-R1 **1C - CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	13.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	27.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	27.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	14.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	46.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	15	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	27	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	30.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	18.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	34.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	2.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61749-R1 **1C - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB037	NA	31.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB052	NA	31.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB087	NA	5.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB095	NA	25.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB101	NA	30.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB105	NA	30.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB110	NA	26.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm
PCB118	NA	17.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	16.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	17.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	47.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	1.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61750-R1 **1C - EWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	48.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	28.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	27.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	35.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	30.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	19.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	46	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	20	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	36.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	1.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61751-R1 **Ref - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61752-R1 **Ref - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61753-R1 **Ref - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61754-R1 **Ref - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61755-R1 **Ref - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61756-R1 LC - AClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61757-R1 **LC - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61758-R1 **LC - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61759-R1 **LC - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61760-R1 **LC - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61761-R1 **UC - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61762-R1 UC - BClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61763-R1 UC - CClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61764-R1 UC - DClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61765-R1 **UC - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB052	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB070	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB095	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB099	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB101	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB110	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB118	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB138	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB149	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB153	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61766-R1 2C -AClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61767-R1 **2C -BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61768-R1 2C -CClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61769-R1 **2C -DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61770-R1 **2C -EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB074	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61771-R1 **1C - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61772-R1 **1C - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61773-R1 **1C - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61774-R1 **1C - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB049	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB066	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61775-R1 **1C - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

PCB008	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB018	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB028	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB031	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB033	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB037	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB044	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB077	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB081	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB087	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB097	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB105	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB114	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB119	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB123	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB126	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB128	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB141	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB151	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB156	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB157	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB158	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB167	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB168+132	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB169	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB170	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB174	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB177	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB180	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB183	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB187	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB189	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB194	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB195	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB200	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB201	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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PCB Congeners

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
PCB206	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
PCB209	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1 Ref - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	85			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	104			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	96			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	70			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	1.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	4.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	10.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	3.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthene	NA	3.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthylene	NA	2.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	4.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	4.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Fluorene	NA	1.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	6.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	13.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61727-R1 Ref - BWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	82			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	91			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	100			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	92			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	66			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	3.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	5.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	7.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	5.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	3.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthylene	NA	1.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	1.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	6.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluorene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	7.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	12	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61728-R1 **Ref - CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	83			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	100			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	95			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	68			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	2.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	2.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	7.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	6.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	7.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	5.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	2.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	10.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	10.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61729-R1 Ref - DWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	82			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	100			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	91			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	64			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	1.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	10.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	8.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	2.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthylene	NA	1.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	1.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Fluorene	NA	3.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	8.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61730-R1 **Ref - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	88			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	97			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	99			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	90			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	69			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	1.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	1.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	8.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	3.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthene	NA	3.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	3.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	4.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Fluorene	NA	1.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	11.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	8.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61731-R1 LC - AWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	83			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	97			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	85			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	66			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	73.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	11.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	14.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	23.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	72.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	499.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	9.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Anthracene	NA	40.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	20.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	2.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Benzo[b]fluoranthene	NA	6.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	4.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	3.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Biphenyl	NA	19.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chrysene	NA	31.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	36.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	329.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	155.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	457.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	295.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	155.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61732-R1 LC - BWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	85			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	97			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	106			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	96			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	66			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	92.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	11.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	13.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	37.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2-Methylnaphthalene	NA	99.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	551.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	15	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Anthracene	NA	47.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	20.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	1.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	3.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	26.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chrysene	NA	30.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	34.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	378.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	176.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	287	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	5.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	309.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	165.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61733-R1 LC - CWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	60			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	55			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	85			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	74			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	52			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	2.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylphenanthrene	NA	4.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	5.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	2.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2-Methylnaphthalene	NA	2.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Acenaphthene	NA	34.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Anthracene	NA	3.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	2.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Fluoranthene	NA	14.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	21	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	10.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	7.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61734-R1 LC - DWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	84	% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
(d10-Phenanthrene)	NA	96	% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm
(d12-Chrysene)	NA	98	% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d12-Perylene)	NA	89			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	67			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	13.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	3.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	4.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	14.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	15.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	85.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	3.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Anthracene	NA	10.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	9.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	4.3	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	J
Chrysene	NA	7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	6.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	56.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	22.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	38.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	51.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Pyrene	NA	28.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

61735-R1 **LC - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d10-Acenaphthene)	NA	87			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	96			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Chrysene)	NA	100			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d12-Perylene)	NA	92			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	72			% Recovery	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	97.9	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	16.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	36.4	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	28.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	120.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthene	NA	445.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Acenaphthylene	NA	9.5	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Anthracene	NA	18.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benz[a]anthracene	NA	30.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Biphenyl	NA	30.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Chrysene	NA	26.2	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Dibenzothiophene	NA	19.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluoranthene	NA	166.8	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Fluorene	NA	130.6	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Naphthalene	NA	304.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
Phenanthrene	NA	206.7	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Pyrene	NA	86.1	1	5	ng/wet g	2724c-34013	1/4/2008	1/9/2008	EPA 8270Cm	
61736-R1 UC - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	73			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	96			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	121			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	121			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	74			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	21.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	55.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	9.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	15	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	14.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	19.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	13.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	106.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	42.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	10.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	NA	15.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	23	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	231.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61737-R1 UC - BWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	72			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	97			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	121			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	114			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	62			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	16.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	28.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	8.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	8.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	3.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	13.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	5.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	26.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	25.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	14.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	94.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluoranthene	NA	44.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	8.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	3.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	5.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	213.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61738-R1 UC - CWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	87			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	102			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	123			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	119			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	13	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	29.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	6.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	18.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	8.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	15.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	7.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	3.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	8.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chrysene	NA	83.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	38.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	9.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	8.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	8.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	152	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61739-R1 UC - DWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	81			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	125			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	115			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	78			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	13	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	17.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	16.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	16.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	13.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	4.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	15.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	73.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	35.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	7.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	15	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	5.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	190.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61740-R1 UC - EWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	76			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	114			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	66			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	19.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	22.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	7.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	8.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	3.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	8.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	6.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	55	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	27.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	5.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	4.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	11	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	138.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61741-R1 2C -AWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	76			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	92			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	63			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	9.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	19.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	9.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	8.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	7.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	102.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Acenaphthylene	NA	12	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	61.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	94.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	74.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	191.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	143.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	32.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	138.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	304	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	26.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	9.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	562.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	32.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	24	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	38.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	848.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61742-R1 2C -BWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	77			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	83			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	117			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	115			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	68			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	9.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	7.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,6-Dimethylnaphthalene	NA	18.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	6.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	106.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	9.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	64.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	148.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	120.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	149.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	154.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	38.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	102.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	10.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	429.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	31.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	5.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	502.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	22.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	6.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	27.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	635.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61743-R1 2C -CWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	79			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	90			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	63			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylnaphthalene	NA	14.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	32.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	3.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	13.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	10.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	118	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	6.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	61.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	126.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	107.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	161.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	158.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	15.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	124.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	6.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	281.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	5.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	537.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	24.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	22.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	11.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	45.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	700.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61744-R1 2C -DWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	73	% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	92	% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d12-Chrysene)	NA	115			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	119			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	60			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	10	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	4.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	21.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	6.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	118.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	72.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	142.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	116.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	178.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	192.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	37.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	107.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	6.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	363.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	18	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	796.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	33.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	28.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	2.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	47.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	1103.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61745-R1 2C -EWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	80			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	85			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	112			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	99			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	65			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	17	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	7.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	13.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	4.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	125.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	9.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	58.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	105.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	120	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	113.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	129.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	84.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	8.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	225.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	9.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	496.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	25.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	7.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	40.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	556.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61746-R1 1C - AWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	89			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	114			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	62			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	11	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	10	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	8.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	27.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	55.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	108.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	115	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	32.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	79.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	64.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	19.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluorene	NA	7.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	22.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	4.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	348	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61747-R1 1C - BWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	69			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	85			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	97			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	83			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	62			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	8.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	12	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	10.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	1.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthylene	NA	4.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Anthracene	NA	18.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	38.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	46.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	54.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	36.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	23.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	20.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	3.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	9.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	148.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61748-R1 1C - CWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	81			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	92			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	111			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	112			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	68			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	1.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	10.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	2.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	5.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	33.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	57.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	75	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	111.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[k]fluoranthene	NA	68.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	7.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	47.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	17.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	6.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	3.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	245.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61749-R1 1C - DWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	92			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	63			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	7.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	1.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	2.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthylene	NA	5.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	29.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	72.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[b]fluoranthene	NA	76.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	80.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	14.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	49.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	6.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	40.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	6.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	18.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	7.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	8.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	6.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	260.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61750-R1 1C - EWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	89			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	110			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	114			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	68			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	3.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	1.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	14.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	14	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthylene	NA	5.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Anthracene	NA	25	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	90.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	76.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	132.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	26	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	68.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	10	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	67.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	38.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	8.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	8.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	468.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61751-R1	**Ref - AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	91			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	117			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	119			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	62			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	3.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	6.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2-Methylnaphthalene	NA	11	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	13.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	3.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Fluoranthene	NA	21.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	9.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	19.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61752-R1 **Ref - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	92			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	108			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	113			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	64			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	3.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	10	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	17.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	3.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthylene	NA	1.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	9.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	4.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Fluoranthene	NA	10.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	10.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	13.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	24.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61753-R1 **Ref - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	75	% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	95	% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	111	% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d12-Perylene)	NA	106			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	65			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	6.2	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	11.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	17.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	12.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	14	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	7.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	11.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	24	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	16.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61754-R1 **Ref - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d10-Acenaphthene)	NA	78			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	93			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	117			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	60			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	7.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	7.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	16.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	16.7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	1.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	10.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	4.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Fluoranthene	NA	27.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	14.6	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Naphthalene	NA	15.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	21.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Pyrene	NA	7	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
61755-R1 Ref - EClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	75			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	87			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Chrysene)	NA	109			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d12-Perylene)	NA	105			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	63			% Recovery	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	4.3	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benz[a]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	2.5	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Biphenyl	NA	10.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Chrysene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Dibenzothiophene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluoranthene	NA	8.9	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Fluorene	NA	7.8	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	NA	1.4	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	J
Perylene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Phenanthrene	NA	7.1	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34019	1/8/2008	1/11/2008	EPA 8270Cm	

61756-R1 LC - AClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	74			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	97			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	86			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	64			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	31.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	44.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	7.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	29.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	61.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	195.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	7.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	187.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	95.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	11.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	16.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	11.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	6.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	24.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	75	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	65.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluoranthene	NA	1352.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	205.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	39.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	93.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	26.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	1155.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	6300.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61757-R1 LC - BClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	68			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	82			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	95			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	88			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	59			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	24	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	22.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	5.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	20.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	52.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	131.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	90	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	59.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	5.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	10.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	8.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	4.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Biphenyl	NA	20.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chrysene	NA	50.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	38.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	722.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	139.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	23.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	44.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	28.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	648.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	343.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61758-R1 LC - CClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	69			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	85			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	82			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	75			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	58			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	5.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	3.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	7.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	13.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	23.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	1.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Anthracene	NA	20.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	6.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	1.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	5.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	88.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	22.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	24.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	17	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	17	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	111.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61759-R1 LC - DClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	62			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	75			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	84			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	77			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	54			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	7.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	8.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	18.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	26.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Anthracene	NA	28	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	18.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[a]pyrene	NA	1.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Benzo[b]fluoranthene	NA	6.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	3.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	9.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	15.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	13.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	171.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	33.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	16.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	18.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	19.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	189.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	79.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61760-R1 LC - EClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	70			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	91			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	91			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	78			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	50			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	64.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	29.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	5.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	38.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	146.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	267.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Acenaphthylene	NA	7.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	103.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	42.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	2.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Benzo[b]fluoranthene	NA	10.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	4.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	3.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Biphenyl	NA	46.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	31.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	51.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	506	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	262.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	31.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	196.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	16.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	759.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	245.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61761-R1 UC - AClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	66			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	84			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	90			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	79			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	54			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	19.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	126.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	18.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2,6-Dimethylnaphthalene	NA	15	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	14.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	12.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	1.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Anthracene	NA	47.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	74.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	30.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	21.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	66.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	2.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Benzo[k]fluoranthene	NA	7.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	5.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	161.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	18.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	93.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	11.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	19.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	12.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	31.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	108.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	463.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61762-R1 UC - BClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	64	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	82	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	88	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	75	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	51	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylnaphthalene	NA	21.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	146.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	22.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	17.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	10.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	14.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	1.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Anthracene	NA	45.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	59.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	19.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	24.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	65.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	5.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	8.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	117.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	20	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	89.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	16	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	9.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	11.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	25.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	120.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	388.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61763-R1 UC - CClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	68	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	83	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d12-Chrysene)	NA	86			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	74			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	61			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	8.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	89.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	11.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	6.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	12.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	1.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Anthracene	NA	25.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	46.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	18.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	17.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	40.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	9.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	7.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	4.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Chrysene	NA	77.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	9.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	80.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	8.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	26.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	11.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	21.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	69.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	273.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61764-R1 UC - DClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	68			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	61			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	94			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	83			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	60			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	13.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	90.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	13.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	9.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	12	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	7.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	20.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	57.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	20.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	10.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	68.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	7.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	7.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	118.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	10.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	80.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	7.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	28.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	13.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Perylene	NA	23.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	55.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	438.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61765-R1 UC - EClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	70			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	93			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	83			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	60			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	24.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	109.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	16.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	15.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	13.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	43.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	53.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	21.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	20.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	65.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	7.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	7.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	9.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	115.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	19	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	78.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluorene	NA	15	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	28.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	11.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	29.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	122.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	378.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61766-R1 2C -AClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	52			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	65			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	69			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	62			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	44			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	5.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	25.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	7.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	12.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	10.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	36	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	8.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	177.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	485	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	371.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	512.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	380.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	49.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	219	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	598.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Dibenz[a,h]anthracene	NA	18.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	18.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	1904	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	32.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	60.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	10.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	70.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	158.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	2522.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61767-R1 2C -BClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	69			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	86			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	79			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	56			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	55.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	9.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	12.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	11	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	43.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	210.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	543.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	449.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	561.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	417.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	35.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[k]fluoranthene	NA	233	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	7.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	638.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	13.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	24.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	2160.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	38.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	77.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	10.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	72.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	214.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	2823.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61768-R1 2C -CClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	69			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	84			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	86			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	72			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	60			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	9.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	48.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	12.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	16.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	23	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	49.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	9.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	210.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	572.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	429.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Benzo[b]fluoranthene	NA	603	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	458.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	45.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	311.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	9.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	716.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	19	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	21.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	2110.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	45.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	74.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	18.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	98.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	223.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	2878.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61769-R1 2C -DClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	66			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	80			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	79			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	65			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	55			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	9.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylphenanthrene	NA	41	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	12.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	17.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	15.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	65.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	8.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Anthracene	NA	213.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	525.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	371.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	531	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	366.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	54.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	268.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	5.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	642.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	19.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	28.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	2053.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	48	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	51	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	14.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	72.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	247	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	2513.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61770-R1 2C -EClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	67			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	83			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	89			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	75			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	56			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	38.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	10.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,6-Dimethylnaphthalene	NA	11.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
2-Methylnaphthalene	NA	8.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	43	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	8.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	173.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	458.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	399.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	525	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	401.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	42.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	210.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	7.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	581.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	19	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	19	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	1779.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	36.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	77.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	10.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	81.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	178.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	2389.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61771-R1 1C - AClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

(d10-Acenaphthene)	NA	62			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	77			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	73			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	65			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	50			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
1-Methylphenanthrene	NA	2.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	2.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	6.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	9.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	37.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	35.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	374.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	421	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	300.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	48.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	257.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	5.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	76.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	16.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	3.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Fluoranthene	NA	28	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	6.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	71.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	10.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	44.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	27.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	749.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61772-R1 1C - BClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

(d10-Acenaphthene)	NA	67	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	79	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	82	% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d12-Perylene)	NA	73			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	57			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	3.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	4.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2-Methylnaphthalene	NA	9.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	6.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	41.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	32.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	337.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	497.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	280.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	45.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	215.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	9.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	71.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	11.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	10.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	30.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	7.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	56.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	16.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	41.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	26.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	823.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

61773-R1 **1C - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
(d10-Acenaphthene)	NA	67			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	81			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	87			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	73			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	54			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2,3,5-Trimethylnaphthalene	NA	2.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	11.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	2.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Acenaphthylene	NA	8.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	44	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	40.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	361.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	434.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	324.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	59.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	229.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	6.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	98.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	18.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluoranthene	NA	41.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	9.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	66.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	13.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	49.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	29.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Pyrene	NA	719.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61774-R1 1C - DClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	67			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	84			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	76			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	63			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	53			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	3.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	1.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	6.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	9.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Acenaphthylene	NA	8.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	38.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	31.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	287.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	418	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	240.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	45.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	206.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	3.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Chrysene	NA	62.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	8.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	3.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
Fluoranthene	NA	41	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	7.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	56.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Naphthalene	NA	13.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	45.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	27.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	709.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
61775-R1 1C - EClams					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
(d10-Acenaphthene)	NA	68			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d10-Phenanthrene)	NA	81			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Chrysene)	NA	81			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d12-Perylene)	NA	71			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
(d8-Naphthalene)	NA	57			% Recovery	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
1-Methylnaphthalene	NA	4.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
1-Methylphenanthrene	NA	2.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,3,5-Trimethylnaphthalene	NA	1.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J
2,6-Dimethylnaphthalene	NA	7.4	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
2-Methylnaphthalene	NA	11.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthene	NA	ND	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Acenaphthylene	NA	7.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Anthracene	NA	33.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benz[a]anthracene	NA	21.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[a]pyrene	NA	281	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[b]fluoranthene	NA	394.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[e]pyrene	NA	255.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[g,h,i]perylene	NA	34.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Benzo[k]fluoranthene	NA	179.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Biphenyl	NA	5.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Chrysene	NA	65.5	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenz[a,h]anthracene	NA	9.1	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Dibenzothiophene	NA	2.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	J

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Polynuclear Aromatic Hydrocarbons

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Fluoranthene	NA	27.3	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Fluorene	NA	8.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Indeno[1,2,3-c,d]pyrene	NA	51.8	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Naphthalene	NA	12.2	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Perylene	NA	34.9	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Phenanthrene	NA	26.7	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	
Pyrene	NA	687.6	1	5	ng/wet g	2724c-34021	1/10/2008	1/15/2008	EPA 8270Cm	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61726-R1 **Ref - AWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	29	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.394	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.344	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.036	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.231	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.108	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.242	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	105	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.095	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.199	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.168	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.283	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.358	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.049	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.374	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.402	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.063	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.217	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	24.7	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61727-R1 **Ref - BWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Arsenic (As)	NA	2.664	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.036	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.027	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.055	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.085	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.129	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	49	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.062	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.656	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.158	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.187	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.383	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.047	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.837	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.085	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.07	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.139	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.47	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61728-R1 **Ref - CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	6	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.207	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.069	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.032	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chromium (Cr)	NA	0.087	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.085	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.259	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	59	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.067	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.832	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.014	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.15	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.149	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.373	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.043	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.588	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.27	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.109	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.119	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	25.55	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61729-R1 **Ref - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.108	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.043	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.028	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.111	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.087	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.227	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	59	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Lead (Pb)	NA	0.072	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.675	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.167	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.194	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.372	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.054	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.861	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.128	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.104	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.132	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	27.66	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61730-R1 **Ref - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.15	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.051	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.054	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.077	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.424	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	59	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.071	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.785	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.017	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.163	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Nickel (Ni)	NA	0.11	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.374	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.066	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	4.044	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.088	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.1	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.123	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	25.45	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61731-R1 LC - AWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

Aluminum (Al)	NA	10	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.485	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.124	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.031	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.23	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.126	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.179	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	62	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.068	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.991	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.199	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.291	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.383	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.039	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.899	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.33	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.325	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.187	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.28	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61732-R1 LC - BWorms						**Tissue**	**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	4	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.793	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.096	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.052	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.147	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.221	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	53	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.064	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.995	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.012	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.17	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.154	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.378	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.041	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.921	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.469	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.179	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.142	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Zinc (Zn)	NA	19.96	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61733-R1 LC - CWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	16	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.61	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.149	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.069	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.137	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.074	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	60	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.053	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.878	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.012	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.145	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.173	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.374	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.031	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.301	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.027	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Titanium (Ti)	NA	0.582	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.164	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	15.02	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61734-R1 LC - DWorms					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	41	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.593	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.333	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.287	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.168	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.247	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	100	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.073	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.381	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.184	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.342	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.365	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.029	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.12	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.029	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Titanium (Ti)	NA	0.883	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.239	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	17.27	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61735-R1 **LC - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	9	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.344	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.123	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.101	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.105	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.846	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	54	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.053	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.096	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.136	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.169	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.338	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	4.538	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.335	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.151	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	29.18	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61736-R1 UC - AWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	35	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.568	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.423	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.037	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.176	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.174	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.448	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Iron (Fe)	NA	110	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.123	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	2.039	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.019	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.189	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.281	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.518	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.028	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.544	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.321	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.763	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.263	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.95	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61737-R1 **UC - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	9	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.168	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.109	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.036	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.102	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.147	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.314	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	60	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.083	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.879	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.015	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J

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Trace Metals

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Molybdenum (Mo)	NA	0.181	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.27	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.463	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.653	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.361	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.36	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.19	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.47	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61738-R1 UC - CWorms Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

Aluminum (Al)	NA	3	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.351	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.077	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.039	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.056	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.154	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.458	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	50	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.073	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.849	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.021	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.194	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.17	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.43	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.041	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Strontium (Sr)	NA	3.806	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.16	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.135	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.145	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.65	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61739-R1 **UC - DWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	5	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.121	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.08	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.031	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.14	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.165	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.291	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	55	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.095	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.892	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.169	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.252	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.471	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.749	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.275	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.249	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Vanadium (V)	NA	0.175	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.86	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61740-R1	**UC - EWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	60	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.983	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.601	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.039	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.325	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.189	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.464	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	154	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.147	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	2.281	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.017	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.207	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.398	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.476	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.028	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.173	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.285	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	2.369	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.343	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	16.39	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61741-R1	**2C -AWorms**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aluminum (Al)	NA	6	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.934	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.099	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.065	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.087	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.952	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	58	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.106	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.809	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.158	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.131	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.462	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.793	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.183	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.26	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.142	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	17.44	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61742-R1 **2C -BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	5	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.097	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.086	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.082	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.101	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.063	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	54	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.101	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.708	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.169	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.177	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.468	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.025	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.675	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.168	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.22	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.154	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	20.26	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61743-R1 **2C -CWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	22	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.465	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.393	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.026	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.415	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.113	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Copper (Cu)	NA	1.314	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	90	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.133	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.357	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.014	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.197	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.373	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.398	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.039	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.138	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.152	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.611	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.155	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	26.1	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61744-R1 2C -DWorms **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	9	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.982	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.145	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.237	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.107	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.121	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	62	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.122	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.098	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.19	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.291	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.399	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.027	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	4.517	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.124	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.32	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.167	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	16.05	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61745-R1 **2C -EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.255	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.064	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.055	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.129	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	51	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.101	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.722	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.167	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.133	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.444	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.913	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.117	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.117	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.16	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	15.17	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61746-R1 **1C - AWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	20	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.687	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.163	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.027	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.2	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.099	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.188	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	83	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.116	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.886	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.164	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.221	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.398	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.939	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.131	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Titanium (Ti)	NA	0.339	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.208	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	15.43	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61747-R1 **1C - BWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.971	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.041	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.061	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.176	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.206	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	48	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.091	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.566	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.013	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.156	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.129	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.421	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.026	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	3.69	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.063	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.082	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.119	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	14.66	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61748-R1 **1C - CWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	2	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.087	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.044	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.025	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.053	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.097	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.951	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	54	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.09	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.574	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.154	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.128	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.466	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.529	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.123	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.106	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.142	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	16.93	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61749-R1 **1C - DWorms**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	3	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Arsenic (As)	NA	3.332	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.041	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.093	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.1	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.057	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	54	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.085	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.593	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.156	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.175	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.497	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.439	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.091	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.114	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.171	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	17.83	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61750-R1 **1C - EWorms** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	10	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.2	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.109	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.028	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chromium (Cr)	NA	0.083	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.133	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.016	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	65	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.105	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.917	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.014	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.165	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.213	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.439	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	3.348	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.173	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.443	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.186	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	26.89	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61751-R1 **Ref - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	51	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.617	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	3.099	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.033	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.218	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.169	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.135	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	128	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Lead (Pb)	NA	0.151	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.035	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.337	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.416	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.316	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.058	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.043	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.079	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.76	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.248	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.05	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61752-R1 **Ref - BClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	14	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.934	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	1.163	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.033	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.086	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.132	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.874	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	57	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.117	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.454	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.308	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Nickel (Ni)	NA	0.304	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.282	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.045	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	7.335	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.042	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Titanium (Ti)	NA	0.597	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.141	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.38	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

61753-R1 **Ref - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	26	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.434	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	1.089	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.121	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.127	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.805	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	75	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.124	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.608	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.261	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.278	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.256	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.05	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.308	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.068	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.946	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.182	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	10.69	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61754-R1 Ref - DClams						**Tissue**	**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	37	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.202	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	1.634	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.041	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.184	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.19	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.234	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	112	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.159	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.715	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.011	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.444	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.419	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.341	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.036	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	8.868	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.079	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.288	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.228	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Zinc (Zn)	NA	12.54	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
61755-R1	**Ref - EClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	62	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.023	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	1.952	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.051	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Chromium (Cr)	NA	0.252	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.18	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.373	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	141	1	5	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.175	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.259	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.378	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.414	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.33	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.058	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.638	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.13	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	2.139	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.288	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	13.64	0.025	0.05	µg/wet g	2724c-18008	1/8/2008	1/13/2008	EPA 6020m	
61756-R1	**LC - AClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	61	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.938	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.66	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.037	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.156	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.185	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.249	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	133	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.126	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.789	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.012	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.312	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.34	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.303	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.066	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.083	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.131	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	2.069	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.275	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.69	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61757-R1 LC - BClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

Aluminum (Al)	NA	68	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.787	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.608	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Cadmium (Cd)	NA	0.038	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.19	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.316	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.679	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	141	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.176	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.745	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.486	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.49	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.366	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.068	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.96	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.111	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.669	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.323	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.68	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61758-R1 LC - CClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	53	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.058	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.512	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.046	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.136	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.271	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.73	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Iron (Fe)	NA	117	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.147	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	2.1	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.404	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.333	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.328	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.059	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.424	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.23	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.187	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.254	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	13.17	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61759-R1 **LC - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	158	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.585	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	1.338	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.041	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.385	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.306	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.984	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	263	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.182	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	3.966	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Molybdenum (Mo)	NA	0.391	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.497	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.269	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.076	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.859	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.072	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	4.758	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.502	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	10.12	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61760-R1 **LC - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	44	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.119	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.512	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.115	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.158	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.473	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	98	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.112	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.355	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.304	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.263	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.257	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.066	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Strontium (Sr)	NA	7.021	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.04	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Titanium (Ti)	NA	1.173	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.211	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	10.05	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61761-R1 **UC - AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	24	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.133	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.333	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.031	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.089	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.196	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.281	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	71	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.15	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.647	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.353	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.266	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.289	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.064	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.03	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.122	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.696	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Vanadium (V)	NA	0.169	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.17	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
61762-R1	**UC - BClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	26	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.002	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.494	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.032	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.096	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.166	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.255	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	78	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.143	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.71	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.339	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.257	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.286	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.058	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.41	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.213	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.647	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.177	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	10.46	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
61763-R1	**UC - CClams**				**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Aluminum (Al)	NA	94	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.511	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.92	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.041	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.337	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.256	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.956	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	186	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.191	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	3.16	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.329	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.428	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.286	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.057	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.621	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.143	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	2.874	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.348	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	9.894	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61764-R1 UC - DClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

Aluminum (Al)	NA	19	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.013	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.615	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.036	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.113	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.223	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	2.158	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	71	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.155	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.37	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.012	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.362	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.283	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.302	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.071	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.672	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.116	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.558	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.17	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	10.59	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61765-R1 **UC - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	33	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.819	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.811	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.045	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.192	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.195	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Copper (Cu)	NA	1.852	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	105	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.174	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.821	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.351	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.344	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.293	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.069	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.541	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.212	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.196	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.203	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.19	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61766-R1 **2C -AClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	36	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.74	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.463	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.142	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.169	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.06	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	95	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.245	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.091	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.301	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.326	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.275	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.067	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.155	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.082	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.934	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.212	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.31	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61767-R1 2C -BClams **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	26	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.155	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.391	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.036	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.115	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.175	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.357	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	77	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.265	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.966	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	0.01	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	J
Molybdenum (Mo)	NA	0.426	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.365	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.302	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Silver (Ag)	NA	0.069	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.637	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.193	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.679	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.207	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.41	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61768-R1 **2C -CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	49	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.413	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.614	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.034	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.19	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.185	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.355	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	124	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.278	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.501	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.29	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.308	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.266	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.064	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.547	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.063	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Titanium (Ti)	NA	1.541	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.252	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.45	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61769-R1 2C -DClams Tissue Sampled: 13-Dec-07 Received: 21-Dec-07

Aluminum (Al)	NA	36	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.845	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.419	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.033	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.151	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.183	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.075	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	96	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.213	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.176	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.331	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.359	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.295	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.052	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.32	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.065	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.046	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.207	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	11.12	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
61770-R1 **2C -EClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	38	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.272	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.457	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.038	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.165	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.19	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.248	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	95	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.266	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.24	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.332	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.345	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.298	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.059	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.393	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.107	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.092	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.226	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.44	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
61771-R1 **1C - AClams**					**Tissue**		**Sampled: 13-Dec-07**		**Received: 21-Dec-07**	
Aluminum (Al)	NA	25	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Arsenic (As)	NA	3.918	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.431	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.04	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.169	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.179	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.423	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	96	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.249	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.963	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.435	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.388	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.397	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.056	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	10.49	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.223	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.759	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.212	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	15.2	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61772-R1 **1C - BClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	35	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.095	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.504	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Chromium (Cr)	NA	0.18	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.117	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.036	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	86	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.216	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.831	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.235	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.238	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.204	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.043	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	5.992	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.096	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.962	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.195	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	8.752	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61773-R1 **1C - CClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	24	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	3.125	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.347	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.039	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.134	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.178	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.925	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	80	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Lead (Pb)	NA	0.213	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.934	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.308	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.345	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.346	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.056	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	7.984	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.154	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.791	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.213	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	15.4	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61774-R1 **1C - DClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	45	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.872	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.557	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.037	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.217	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.178	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	1.16	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	121	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.311	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	1.095	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.329	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Nickel (Ni)	NA	0.371	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.317	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.057	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Strontium (Sr)	NA	8.283	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.067	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	1.242	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.264	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.39	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

61775-R1 **1C - EClams** **Tissue** **Sampled: 13-Dec-07** **Received: 21-Dec-07**

Aluminum (Al)	NA	34	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Arsenic (As)	NA	2.88	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Barium (Ba)	NA	0.454	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cadmium (Cd)	NA	0.031	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Chromium (Cr)	NA	0.145	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Cobalt (Co)	NA	0.158	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Copper (Cu)	NA	0.889	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Iron (Fe)	NA	95	1	5	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Lead (Pb)	NA	0.191	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Manganese (Mn)	NA	0.812	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g	2724c-4055	1/8/2008	1/11/2008	EPA 245.7m	
Molybdenum (Mo)	NA	0.292	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Nickel (Ni)	NA	0.301	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Selenium (Se)	NA	0.288	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Silver (Ag)	NA	0.041	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	J
Strontium (Sr)	NA	7.135	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

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Trace Metals

ANALYTICAL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Batch	Prepared	Analyzed	Method	QA Code
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Tin (Sn)	NA	0.052	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Titanium (Ti)	NA	0.702	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Vanadium (V)	NA	0.217	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	
Zinc (Zn)	NA	12.09	0.025	0.05	µg/wet g	2724c-18012	1/9/2008	1/13/2008	EPA 6020m	

QUALITY CONTROL REPORT

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Aroclor PCBs

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34013		**QAQC**	**Procedural Blank**					**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Blank 61725-B1			**DI Water**											
Aroclor 1016	NA	ND	10	20	ng/wet g									
Aroclor 1221	NA	ND	10	20	ng/wet g									
Aroclor 1232	NA	ND	10	20	ng/wet g									
Aroclor 1242	NA	ND	10	20	ng/wet g									
Aroclor 1248	NA	ND	10	20	ng/wet g									
Aroclor 1254	NA	ND	10	20	ng/wet g									
Aroclor 1260	NA	ND	10	20	ng/wet g									
Batch ID: 2724c-34021		**QAQC**	**Procedural Blank**					**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Lab Blank 61725-B3			**DI Water**											
Aroclor 1016	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1221	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1232	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1242	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1248	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1254	NA	ND	10	20	ng/wet g				65 - 135%					
Aroclor 1260	NA	ND	10	20	ng/wet g				65 - 135%					
Batch ID: 2724c-34013		**LC - E**	**Worms**					**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Dup 61735-R2			**Tissue**											
Aroclor 1016	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1221	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1232	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1242	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1248	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1254	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1260	NA	ND	10	20	ng/wet g						0	30	PASS	

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Aroclor PCBs

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34019		**Ref - E Clams**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Lab Dup 61755-R2		**Tissue**												
Aroclor 1016	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1221	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1232	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1242	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1248	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1254	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1260	NA	ND	10	20	ng/wet g						0	30	PASS	
Batch ID: 2724c-34021		**1C - E Clams**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Lab Dup 61775-R2		**Tissue**												
Aroclor 1016	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1221	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1232	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1242	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1248	NA	ND	10	20	ng/wet g						0	30	PASS	
Aroclor 1260	NA	ND	10	20	ng/wet g						0	30	PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34013		**QAQC Procedural Blank**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Blank 61725-B1			**DI Water**											
(PCB030)	NA	85			% Recovery	100		85	55 - 120%	PASS				
(PCB112)	NA	85			% Recovery	100		85	65 - 120%	PASS				
(PCB198)	NA	78			% Recovery	100		78	60 - 120%	PASS				
(TCMX)	NA	74			% Recovery	100		74	50 - 120%	PASS				
2,4'-DDD	NA	ND	1	5	ng/wet g									
2,4'-DDE	NA	ND	1	5	ng/wet g									
2,4'-DDT	NA	ND	1	5	ng/wet g									
4,4'-DDD	NA	ND	1	5	ng/wet g									
4,4'-DDE	NA	ND	1	5	ng/wet g									
4,4'-DDT	NA	ND	1	5	ng/wet g									
Aldrin	NA	ND	1	5	ng/wet g									
BHC-alpha	NA	ND	1	5	ng/wet g									
BHC-beta	NA	ND	1	5	ng/wet g									
BHC-delta	NA	ND	1	5	ng/wet g									
BHC-gamma	NA	ND	1	5	ng/wet g									
Chlordane-alpha	NA	ND	1	5	ng/wet g									
Chlordane-gamma	NA	ND	1	5	ng/wet g									
cis-Nonachlor	NA	ND	1	5	ng/wet g									
DCPA (Dacthal)	NA	ND	5	10	ng/wet g									
Dicofol	NA	ND	1	5	ng/wet g									
Dieldrin	NA	ND	1	5	ng/wet g									
Endosulfan Sulfate	NA	ND	1	5	ng/wet g									
Endosulfan-I	NA	ND	1	5	ng/wet g									
Endosulfan-II	NA	ND	1	5	ng/wet g									
Endrin	NA	ND	1	5	ng/wet g									
Endrin Aldehyde	NA	ND	1	5	ng/wet g									

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endrin Ketone	NA	ND	1	5	ng/wet g									
Heptachlor	NA	ND	1	5	ng/wet g									
Heptachlor Epoxide	NA	ND	1	5	ng/wet g									
Kepone	NA	ND	1	5	ng/wet g									
Methoxychlor	NA	ND	1	5	ng/wet g									
Mirex	NA	ND	1	5	ng/wet g									
Oxychlordane	NA	ND	1	5	ng/wet g									
Perthane	NA	ND	5	10	ng/wet g									
Toxaphene	NA	ND	10	50	ng/wet g									
trans-Nonachlor	NA	ND	1	5	ng/wet g									

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Lab Blank 61725-B2 **DI Water**

(PCB030)	NA	102			% Recovery	100		102	55 - 120%	PASS				
(PCB112)	NA	109			% Recovery	100		109	65 - 120%	PASS				
(PCB198)	NA	98			% Recovery	100		98	60 - 120%	PASS				
(TCMX)	NA	87			% Recovery	100		87	50 - 120%	PASS				
2,4'-DDD	NA	ND	1	5	ng/wet g									
2,4'-DDE	NA	ND	1	5	ng/wet g									
2,4'-DDT	NA	ND	1	5	ng/wet g									
4,4'-DDD	NA	ND	1	5	ng/wet g									
4,4'-DDE	NA	ND	1	5	ng/wet g									
4,4'-DDT	NA	ND	1	5	ng/wet g									
Aldrin	NA	ND	1	5	ng/wet g									
BHC-alpha	NA	ND	1	5	ng/wet g									
BHC-beta	NA	ND	1	5	ng/wet g									
BHC-delta	NA	ND	1	5	ng/wet g									
BHC-gamma	NA	ND	1	5	ng/wet g									
Chlordane-alpha	NA	ND	1	5	ng/wet g									

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Chlordane-gamma	NA	ND	1	5	ng/wet g									
cis-Nonachlor	NA	ND	1	5	ng/wet g									
DCPA (Dacthal)	NA	ND	5	10	ng/wet g									
Dicofol	NA	ND	1	5	ng/wet g									
Dieldrin	NA	ND	1	5	ng/wet g									
Endosulfan Sulfate	NA	ND	1	5	ng/wet g									
Endosulfan-I	NA	ND	1	5	ng/wet g									
Endosulfan-II	NA	ND	1	5	ng/wet g									
Endrin	NA	ND	1	5	ng/wet g									
Endrin Aldehyde	NA	ND	1	5	ng/wet g									
Endrin Ketone	NA	ND	1	5	ng/wet g									
Heptachlor	NA	ND	1	5	ng/wet g									
Heptachlor Epoxide	NA	ND	1	5	ng/wet g									
Kepone	NA	ND	1	5	ng/wet g									
Methoxychlor	NA	ND	1	5	ng/wet g									
Mirex	NA	ND	1	5	ng/wet g									
Oxychlordane	NA	ND	1	5	ng/wet g									
Perthane	NA	ND	5	10	ng/wet g									
Toxaphene	NA	ND	10	50	ng/wet g									
trans-Nonachlor	NA	ND	1	5	ng/wet g									

Batch ID: 2724c-34021 **QAQC Procedural Blank** **Prepared 1/10/2008** **Analyzed 15-Jan-08**
Lab Blank 61725-B3 **DI Water**

(PCB030)	NA	12			% Recovery	100		12	55 - 120%	FAIL				
(PCB112)	NA	14			% Recovery	100		14	65 - 120%	FAIL				
(PCB198)	NA	14			% Recovery	100		14	60 - 120%	FAIL				
(TCMX)	NA	13			% Recovery	100		13	50 - 120%	FAIL				
2,4'-DDD	NA	ND	1	5	ng/wet g				50 - 135%					
2,4'-DDE	NA	ND	1	5	ng/wet g				60 - 130%					

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
2,4'-DDT	NA	ND	1	5	ng/wet g				40 - 135%					
4,4'-DDD	NA	ND	1	5	ng/wet g				70 - 130%					
4,4'-DDE	NA	ND	1	5	ng/wet g				65 - 130%					
4,4'-DDT	NA	ND	1	5	ng/wet g				35 - 140%					
Aldrin	NA	ND	1	5	ng/wet g				50 - 125%					
BHC-alpha	NA	ND	1	5	ng/wet g				60 - 120%					
BHC-beta	NA	ND	1	5	ng/wet g				60 - 120%					
BHC-delta	NA	ND	1	5	ng/wet g				60 - 120%					
BHC-gamma	NA	ND	1	5	ng/wet g				60 - 120%					
Chlordane-alpha	NA	ND	1	5	ng/wet g				70 - 130%					
Chlordane-gamma	NA	ND	1	5	ng/wet g				60 - 120%					
cis-Nonachlor	NA	ND	1	5	ng/wet g				60 - 120%					
DCPA (dacthal)	NA	ND	5	10	ng/wet g				60 - 140%					
Dicofol	NA	ND	1	5	ng/wet g				65 - 125%					
Dieldrin	NA	ND	1	5	ng/wet g				50 - 125%					
Endosulfan Sulfate	NA	ND	1	5	ng/wet g				25 - 125%					
Endosulfan-I	NA	ND	1	5	ng/wet g				45 - 125%					
Endosulfan-II	NA	ND	1	5	ng/wet g				25 - 145%					
Endrin	NA	ND	1	5	ng/wet g				60 - 125%					
Endrin Aldehyde	NA	ND	1	5	ng/wet g				0 - 149%					
Endrin Ketone	NA	ND	1	5	ng/wet g				45 - 125%					
Heptachlor	NA	ND	1	5	ng/wet g				45 - 125%					
Heptachlor Epoxide	NA	ND	1	5	ng/wet g				60 - 120%					
Methoxychlor	NA	ND	1	5	ng/wet g				35 - 140%					
Mirex	NA	ND	1	5	ng/wet g				50 - 130%					
Oxychlordane	NA	ND	1	5	ng/wet g				70 - 130%					
Perthane	NA	ND	5	10	ng/wet g				60 - 140%					
Toxaphene	NA	ND	10	50	ng/wet g				65 - 135%					
trans-Nonachlor	NA	ND	1	5	ng/wet g				60 - 120%					

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34013		**QAQC Procedural Blank**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Blank Spike 61725-BS1			**DI Water**											
(PCB030)	NA	88			% Recovery	100	0	88	55 - 120%	PASS				
(PCB112)	NA	86			% Recovery	100	0	86	65 - 120%	PASS				
(PCB198)	NA	80			% Recovery	100	0	80	60 - 120%	PASS				
(TCMX)	NA	86			% Recovery	100	0	86	50 - 120%	PASS				
2,4'-DDD	NA	481.3	1	5	ng/wet g	551.2	0	87	50 - 135%	PASS				
2,4'-DDE	NA	516.5	1	5	ng/wet g	551.2	0	94	60 - 130%	PASS				
2,4'-DDT	NA	609.1	1	5	ng/wet g	551.2	0	111	40 - 135%	PASS				
4,4'-DDD	NA	609.2	1	5	ng/wet g	551.2	0	111	70 - 130%	PASS				
4,4'-DDE	NA	615.4	1	5	ng/wet g	551.2	0	112	65 - 130%	PASS				
4,4'-DDT	NA	583.6	1	5	ng/wet g	551.2	0	106	35 - 140%	PASS				
Aldrin	NA	466	1	5	ng/wet g	551.2	0	85	50 - 125%	PASS				
BHC-alpha	NA	555.3	1	5	ng/wet g	551.2	0	101	60 - 120%	PASS				
BHC-beta	NA	537.7	1	5	ng/wet g	551.2	0	98	60 - 120%	PASS				
BHC-delta	NA	525	1	5	ng/wet g	551.2	0	95	60 - 120%	PASS				
BHC-gamma	NA	516.1	1	5	ng/wet g	551.2	0	94	60 - 120%	PASS				
Chlordane-alpha	NA	504.5	1	5	ng/wet g	551.2	0	92	70 - 130%	PASS				
Chlordane-gamma	NA	499.1	1	5	ng/wet g	551.2	0	91	60 - 120%	PASS				
cis-Nonachlor	NA	612.7	1	5	ng/wet g	551.2	0	111	60 - 120%	PASS				
DCPA (Dacthal)	NA	523.8	5	10	ng/wet g	551.2	0	95	60 - 140%	PASS				
Dicofol	NA	476	1	5	ng/wet g	551.2	0	86	65 - 125%	PASS				
Dieldrin	NA	560.7	1	5	ng/wet g	551.2	0	102	50 - 125%	PASS				
Endosulfan Sulfate	NA	526.4	1	5	ng/wet g	551.2	0	96	25 - 125%	PASS				
Endosulfan-I	NA	458.2	1	5	ng/wet g	551.2	0	83	45 - 125%	PASS				
Endosulfan-II	NA	547.1	1	5	ng/wet g	551.2	0	99	25 - 145%	PASS				
Endrin	NA	586.8	1	5	ng/wet g	551.2	0	106	60 - 125%	PASS				
Endrin Aldehyde	NA	0	1	5	ng/wet g	551.2	0	0	0 - 149%	PASS				

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endrin Ketone	NA	567	1	5	ng/wet g	551.2	0	103	45 - 125%	PASS				
Heptachlor	NA	535.9	1	5	ng/wet g	551.2	0	97	45 - 125%	PASS				
Heptachlor Epoxide	NA	514.4	1	5	ng/wet g	551.2	0	93	60 - 120%	PASS				
Kepone	NA	644.6	1	5	ng/wet g	551.2	0	117	60 - 120%	PASS				
Methoxychlor	NA	617.9	1	5	ng/wet g	551.2	0	112	35 - 140%	PASS				
Mirex	NA	598.5	1	5	ng/wet g	551.2	0	109	50 - 130%	PASS				
Oxychlordane	NA	508.9	1	5	ng/wet g	551.2	0	92	70 - 130%	PASS				
Perthane	NA	612.9	5	10	ng/wet g	551.2	0	111	60 - 140%	PASS				
trans-Nonachlor	NA	532.5	1	5	ng/wet g	551.2	0	97	60 - 120%	PASS				
Batch ID: 2724c-34013		**QAQC**	**Procedural Blank**					**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Blank Spike Dup 61725-BS2			**DI Water**											
(PCB030)	NA	88			% Recovery	100	0	88	55 - 120%	PASS	0	30	PASS	
(PCB112)	NA	83			% Recovery	100	0	83	65 - 120%	PASS	4	30	PASS	
(PCB198)	NA	78			% Recovery	100	0	78	60 - 120%	PASS	3	30	PASS	
(TCMX)	NA	85			% Recovery	100	0	85	50 - 120%	PASS	1	30	PASS	
2,4'-DDD	NA	487.4	1	5	ng/wet g	551.2	0	88	50 - 135%	PASS	1	30	PASS	
2,4'-DDE	NA	499.5	1	5	ng/wet g	551.2	0	91	60 - 130%	PASS	3	30	PASS	
2,4'-DDT	NA	602.7	1	5	ng/wet g	551.2	0	109	40 - 135%	PASS	2	30	PASS	
4,4'-DDD	NA	602.9	1	5	ng/wet g	551.2	0	109	70 - 130%	PASS	2	30	PASS	
4,4'-DDE	NA	591.6	1	5	ng/wet g	551.2	0	107	65 - 130%	PASS	5	30	PASS	
4,4'-DDT	NA	595.8	1	5	ng/wet g	551.2	0	108	35 - 140%	PASS	2	30	PASS	
Aldrin	NA	499.8	1	5	ng/wet g	551.2	0	91	50 - 125%	PASS	7	30	PASS	
BHC-alpha	NA	543.8	1	5	ng/wet g	551.2	0	99	60 - 120%	PASS	2	30	PASS	
BHC-beta	NA	476.8	1	5	ng/wet g	551.2	0	87	60 - 120%	PASS	12	30	PASS	
BHC-delta	NA	511.4	1	5	ng/wet g	551.2	0	93	60 - 120%	PASS	2	30	PASS	
BHC-gamma	NA	525.2	1	5	ng/wet g	551.2	0	95	60 - 120%	PASS	1	30	PASS	
Chlordane-alpha	NA	499.7	1	5	ng/wet g	551.2	0	91	70 - 130%	PASS	1	30	PASS	
Chlordane-gamma	NA	501.5	1	5	ng/wet g	551.2	0	91	60 - 120%	PASS	0	30	PASS	

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
cis-Nonachlor	NA	619.8	1	5	ng/wet g	551.2	0	112	60 - 120%	PASS	1	30	PASS	
DCPA (Dacthal)	NA	513.9	5	10	ng/wet g	551.2	0	93	60 - 140%	PASS	2	30	PASS	
Dicofol	NA	516.3	1	5	ng/wet g	551.2	0	94	65 - 125%	PASS	9	30	PASS	
Dieldrin	NA	528.5	1	5	ng/wet g	551.2	0	96	50 - 125%	PASS	6	30	PASS	
Endosulfan Sulfate	NA	535.2	1	5	ng/wet g	551.2	0	97	25 - 125%	PASS	1	30	PASS	
Endosulfan-I	NA	496.4	1	5	ng/wet g	551.2	0	90	45 - 125%	PASS	8	30	PASS	
Endosulfan-II	NA	580.8	1	5	ng/wet g	551.2	0	105	25 - 145%	PASS	6	30	PASS	
Endrin	NA	574.2	1	5	ng/wet g	551.2	0	104	60 - 125%	PASS	2	30	PASS	
Endrin Aldehyde	NA	0	1	5	ng/wet g	551.2	0	0	0 - 149%	PASS	0	30	PASS	
Endrin Ketone	NA	577.4	1	5	ng/wet g	551.2	0	105	45 - 125%	PASS	2	30	PASS	
Heptachlor	NA	513.4	1	5	ng/wet g	551.2	0	93	45 - 125%	PASS	4	30	PASS	
Heptachlor Epoxide	NA	532.9	1	5	ng/wet g	551.2	0	97	60 - 120%	PASS	4	30	PASS	
Kepone	NA	550.1	1	5	ng/wet g	551.2	0	100	60 - 120%	PASS	16	30	PASS	
Methoxychlor	NA	633.6	1	5	ng/wet g	551.2	0	115	35 - 140%	PASS	3	30	PASS	
Mirex	NA	622.3	1	5	ng/wet g	551.2	0	113	50 - 130%	PASS	4	30	PASS	
Oxychlordane	NA	478.9	1	5	ng/wet g	551.2	0	87	70 - 130%	PASS	6	30	PASS	
Perthane	NA	611.8	5	10	ng/wet g	551.2	0	111	60 - 140%	PASS	0	30	PASS	
trans-Nonachlor	NA	499.8	1	5	ng/wet g	551.2	0	91	60 - 120%	PASS	6	30	PASS	

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Blank Spike 61725-BS3 **DI Water**

(PCB030)	NA	88			% Recovery	100	0	88	55 - 120%	PASS				
(PCB112)	NA	104			% Recovery	100	0	104	65 - 120%	PASS				
(PCB198)	NA	97			% Recovery	100	0	97	60 - 120%	PASS				
(TCMX)	NA	93			% Recovery	100	0	93	50 - 120%	PASS				
2,4'-DDD	NA	412	1	5	ng/wet g	435.2	0	95	50 - 135%	PASS				
2,4'-DDE	NA	409.6	1	5	ng/wet g	435.2	0	94	60 - 130%	PASS				
2,4'-DDT	NA	435.1	1	5	ng/wet g	435.2	0	100	40 - 135%	PASS				
4,4'-DDD	NA	400.1	1	5	ng/wet g	435.2	0	92	70 - 130%	PASS				

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
4,4'-DDE	NA	443.2	1	5	ng/wet g	435.2	0	102	65 - 130%	PASS				
4,4'-DDT	NA	528.3	1	5	ng/wet g	435.2	0	121	35 - 140%	PASS				
Aldrin	NA	388.6	1	5	ng/wet g	435.2	0	89	50 - 125%	PASS				
BHC-alpha	NA	413.2	1	5	ng/wet g	435.2	0	95	60 - 120%	PASS				
BHC-beta	NA	442.9	1	5	ng/wet g	435.2	0	102	60 - 120%	PASS				
BHC-delta	NA	445.1	1	5	ng/wet g	435.2	0	102	60 - 120%	PASS				
BHC-gamma	NA	448.9	1	5	ng/wet g	435.2	0	103	60 - 120%	PASS				
Chlordane-alpha	NA	477.8	1	5	ng/wet g	435.2	0	110	70 - 130%	PASS				
Chlordane-gamma	NA	433.2	1	5	ng/wet g	435.2	0	100	60 - 120%	PASS				
cis-Nonachlor	NA	399.6	1	5	ng/wet g	435.2	0	92	60 - 120%	PASS				
DCPA (Dacthal)	NA	454	5	10	ng/wet g	435.2	0	104	60 - 140%	PASS				
Dicofol	NA	359.3	1	5	ng/wet g	435.2	0	83	65 - 125%	PASS				
Dieldrin	NA	456.2	1	5	ng/wet g	435.2	0	105	50 - 125%	PASS				
Endosulfan Sulfate	NA	441	1	5	ng/wet g	435.2	0	101	25 - 125%	PASS				
Endosulfan-I	NA	388.4	1	5	ng/wet g	435.2	0	89	45 - 125%	PASS				
Endosulfan-II	NA	456.5	1	5	ng/wet g	435.2	0	105	25 - 145%	PASS				
Endrin	NA	457.2	1	5	ng/wet g	435.2	0	105	60 - 125%	PASS				
Endrin Aldehyde	NA	8.9	1	5	ng/wet g	435.2	0	2	0 - 149%	PASS				
Endrin Ketone	NA	494	1	5	ng/wet g	435.2	0	114	45 - 125%	PASS				
Heptachlor	NA	466.5	1	5	ng/wet g	435.2	0	107	45 - 125%	PASS				
Heptachlor Epoxide	NA	430.7	1	5	ng/wet g	435.2	0	99	60 - 120%	PASS				
Kepone	NA	0	1	5	ng/wet g	435.2	0	0	60 - 120%	FAIL				
Methoxychlor	NA	454	1	5	ng/wet g	435.2	0	104	35 - 140%	PASS				
Mirex	NA	398.8	1	5	ng/wet g	435.2	0	92	50 - 130%	PASS				
Oxychlordane	NA	406.1	1	5	ng/wet g	435.2	0	93	70 - 130%	PASS				
Perthane	NA	456.2	5	10	ng/wet g	435.2	0	105	60 - 140%	PASS				
trans-Nonachlor	NA	421.8	1	5	ng/wet g	435.2	0	97	60 - 120%	PASS				

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34019		**QAQC Procedural Blank**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Blank Spike Dup 61725-BS4														
(PCB030)	NA	94			% Recovery	100	0	94	55 - 120%	PASS	7		PASS	
(PCB112)	NA	99			% Recovery	100	0	99	65 - 120%	PASS	5		PASS	
(PCB198)	NA	105			% Recovery	100	0	105	60 - 120%	PASS	8		PASS	
(TCMX)	NA	89			% Recovery	100	0	89	50 - 120%	PASS	4		PASS	
2,4'-DDD	NA	463.1	1	5	ng/wet g	435.2	0	106	50 - 135%	PASS	11		PASS	
2,4'-DDE	NA	411.1	1	5	ng/wet g	435.2	0	94	60 - 130%	PASS	0		PASS	
2,4'-DDT	NA	405.9	1	5	ng/wet g	435.2	0	93	40 - 135%	PASS	7		PASS	
4,4'-DDD	NA	393.8	1	5	ng/wet g	435.2	0	90	70 - 130%	PASS	2		PASS	
4,4'-DDE	NA	444.4	1	5	ng/wet g	435.2	0	102	65 - 130%	PASS	0		PASS	
4,4'-DDT	NA	439.1	1	5	ng/wet g	435.2	0	101	35 - 140%	PASS	18		PASS	
Aldrin	NA	469.8	1	5	ng/wet g	435.2	0	108	50 - 125%	PASS	19		PASS	
BHC-alpha	NA	371.4	1	5	ng/wet g	435.2	0	85	60 - 120%	PASS	11		PASS	
BHC-beta	NA	454.1	1	5	ng/wet g	435.2	0	104	60 - 120%	PASS	2		PASS	
BHC-delta	NA	466.5	1	5	ng/wet g	435.2	0	107	60 - 120%	PASS	5		PASS	
BHC-gamma	NA	459	1	5	ng/wet g	435.2	0	105	60 - 120%	PASS	2		PASS	
Chlordane-alpha	NA	487.2	1	5	ng/wet g	435.2	0	112	70 - 130%	PASS	2		PASS	
Chlordane-gamma	NA	409.3	1	5	ng/wet g	435.2	0	94	60 - 120%	PASS	6		PASS	
cis-Nonachlor	NA	368.4	1	5	ng/wet g	435.2	0	85	60 - 120%	PASS	8		PASS	
DCPA (Dacthal)	NA	436.9	5	10	ng/wet g	435.2	0	100	60 - 140%	PASS	4		PASS	
Dicofol	NA	408.3	1	5	ng/wet g	435.2	0	94	65 - 125%	PASS	12		PASS	
Dieldrin	NA	466.5	1	5	ng/wet g	435.2	0	107	50 - 125%	PASS	2		PASS	
Endosulfan Sulfate	NA	478.7	1	5	ng/wet g	435.2	0	110	25 - 125%	PASS	9		PASS	
Endosulfan-I	NA	329.6	1	5	ng/wet g	435.2	0	76	45 - 125%	PASS	16		PASS	
Endosulfan-II	NA	384	1	5	ng/wet g	435.2	0	88	25 - 145%	PASS	18		PASS	
Endrin	NA	439.3	1	5	ng/wet g	435.2	0	101	60 - 125%	PASS	4		PASS	
Endrin Aldehyde	NA	10.6	1	5	ng/wet g	435.2	0	2	0 - 149%	PASS	0		PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endrin Ketone	NA	440.8	1	5	ng/wet g	435.2	0	101	45 - 125%	PASS	12		PASS	
Heptachlor	NA	484.3	1	5	ng/wet g	435.2	0	111	45 - 125%	PASS	4		PASS	
Heptachlor Epoxide	NA	410.6	1	5	ng/wet g	435.2	0	94	60 - 120%	PASS	5		PASS	
Kepone	NA	0	1	5	ng/wet g	435.2	0	0	60 - 120%	FAIL	0		PASS	
Methoxychlor	NA	452.3	1	5	ng/wet g	435.2	0	104	35 - 140%	PASS	0		PASS	
Mirex	NA	408.6	1	5	ng/wet g	435.2	0	94	50 - 130%	PASS	2		PASS	
Oxychlordane	NA	438.9	1	5	ng/wet g	435.2	0	101	70 - 130%	PASS	8		PASS	
Perthane	NA	457.5	5	10	ng/wet g	435.2	0	105	60 - 140%	PASS	0		PASS	
trans-Nonachlor	NA	350.1	1	5	ng/wet g	435.2	0	80	60 - 120%	PASS	19		PASS	

Batch ID: 2724c-34021 QAQC Procedural Blank Prepared 1/10/2008 Analyzed 05-Jan-08
Blank Spike 61725-BS5 DI Water

(PCB030)	NA	86			% Recovery	100	0	86	55 - 120%	PASS				
(PCB112)	NA	90			% Recovery	100	0	90	65 - 120%	PASS				
(PCB198)	NA	82			% Recovery	100	0	82	60 - 120%	PASS				
(TCMX)	NA	79			% Recovery	100	0	79	50 - 120%	PASS				
2,4'-DDD	NA	595.4	1	5	ng/wet g	578.8	0	103	50 - 135%	PASS				
2,4'-DDE	NA	426.9	1	5	ng/wet g	578.8	0	74	60 - 130%	PASS				
2,4'-DDT	NA	516.9	1	5	ng/wet g	578.8	0	89	40 - 135%	PASS				
4,4'-DDD	NA	543.8	1	5	ng/wet g	578.8	0	94	70 - 130%	PASS				
4,4'-DDE	NA	504.1	1	5	ng/wet g	578.8	0	87	65 - 130%	PASS				
4,4'-DDT	NA	545.8	1	5	ng/wet g	578.8	0	94	35 - 140%	PASS				
Aldrin	NA	622.6	1	5	ng/wet g	578.8	0	108	50 - 125%	PASS				
BHC-alpha	NA	495.3	1	5	ng/wet g	578.8	0	86	60 - 120%	PASS				
BHC-beta	NA	504.3	1	5	ng/wet g	578.8	0	87	60 - 120%	PASS				
BHC-delta	NA	515	1	5	ng/wet g	578.8	0	89	60 - 120%	PASS				
BHC-gamma	NA	538.9	1	5	ng/wet g	578.8	0	93	60 - 120%	PASS				
Chlordane-alpha	NA	478.7	1	5	ng/wet g	578.8	0	83	70 - 130%	PASS				
Chlordane-gamma	NA	553.5	1	5	ng/wet g	578.8	0	96	60 - 120%	PASS				

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
cis-Nonachlor	NA	34	1	5	ng/wet g	578.8	0	6	60 - 120%	FAIL				
DCPA (Dacthal)	NA	523.7	5	10	ng/wet g	578.8	0	90	60 - 140%	PASS				
Dicofol	NA	551.7	1	5	ng/wet g	578.8	0	95	65 - 125%	PASS				
Dieldrin	NA	510.1	1	5	ng/wet g	578.8	0	88	50 - 125%	PASS				
Endosulfan Sulfate	NA	516.3	1	5	ng/wet g	578.8	0	89	25 - 125%	PASS				
Endosulfan-I	NA	500.7	1	5	ng/wet g	578.8	0	87	45 - 125%	PASS				
Endosulfan-II	NA	563.3	1	5	ng/wet g	578.8	0	97	25 - 145%	PASS				
Endrin	NA	563.8	1	5	ng/wet g	578.8	0	97	60 - 125%	PASS				
Endrin Aldehyde	NA	0	1	5	ng/wet g	578.8	0	0	0 - 149%	PASS				
Endrin Ketone	NA	483.2	1	5	ng/wet g	578.8	0	83	45 - 125%	PASS				
Heptachlor	NA	494.2	1	5	ng/wet g	578.8	0	85	45 - 125%	PASS				
Heptachlor Epoxide	NA	507.6	1	5	ng/wet g	578.8	0	88	60 - 120%	PASS				
Methoxychlor	NA	585.2	1	5	ng/wet g	578.8	0	101	35 - 140%	PASS				
Mirex	NA	451.2	1	5	ng/wet g	578.8	0	78	50 - 130%	PASS				
Oxychlordane	NA	526	1	5	ng/wet g	578.8	0	91	70 - 130%	PASS				
Perthane	NA	556.7	5	10	ng/wet g	578.8	0	96	60 - 140%	PASS				
trans-Nonachlor	NA	663	1	5	ng/wet g	578.8	0	115	60 - 120%	PASS				

Batch ID: 2724c-34021 **QAQC Procedural Blank** **Prepared 1/10/2008** **Analyzed 05-Jan-08**
Blank Spike Dup 61725-BS6 **DI Water**

(PCB030)	NA	86			% Recovery	100	0	86	55 - 120%	PASS	0		PASS	
(PCB112)	NA	91			% Recovery	100	0	91	65 - 120%	PASS	1		PASS	
(PCB198)	NA	81			% Recovery	100	0	81	60 - 120%	PASS	1		PASS	
(TCMX)	NA	75			% Recovery	100	0	75	50 - 120%	PASS	5		PASS	
2,4'-DDD	NA	604	1	5	ng/wet g	578.8	0	104	50 - 135%	PASS	1		PASS	
2,4'-DDE	NA	418.8	1	5	ng/wet g	578.8	0	72	60 - 130%	PASS	3		PASS	
2,4'-DDT	NA	509.8	1	5	ng/wet g	578.8	0	88	40 - 135%	PASS	1		PASS	
4,4'-DDD	NA	576.2	1	5	ng/wet g	578.8	0	100	70 - 130%	PASS	6		PASS	
4,4'-DDE	NA	532.6	1	5	ng/wet g	578.8	0	92	65 - 130%	PASS	6		PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
4,4'-DDT	NA	579.5	1	5	ng/wet g	578.8	0	100	35 - 140%	PASS	6		PASS	
Aldrin	NA	660.8	1	5	ng/wet g	578.8	0	114	50 - 125%	PASS	5		PASS	
BHC-alpha	NA	484.5	1	5	ng/wet g	578.8	0	84	60 - 120%	PASS	2		PASS	
BHC-beta	NA	497.3	1	5	ng/wet g	578.8	0	86	60 - 120%	PASS	1		PASS	
BHC-delta	NA	528.4	1	5	ng/wet g	578.8	0	91	60 - 120%	PASS	2		PASS	
BHC-gamma	NA	508.9	1	5	ng/wet g	578.8	0	88	60 - 120%	PASS	6		PASS	
Chlordane-alpha	NA	521.8	1	5	ng/wet g	578.8	0	90	70 - 130%	PASS	8		PASS	
Chlordane-gamma	NA	561.1	1	5	ng/wet g	578.8	0	97	60 - 120%	PASS	1		PASS	
cis-Nonachlor	NA	44.7	1	5	ng/wet g	578.8	0	8	60 - 120%	FAIL	29		PASS	
DCPA (Dacthal)	NA	533.1	5	10	ng/wet g	578.8	0	92	60 - 140%	PASS	2		PASS	
Dicofol	NA	569.7	1	5	ng/wet g	578.8	0	98	65 - 125%	PASS	3		PASS	
Dieldrin	NA	552.2	1	5	ng/wet g	578.8	0	95	50 - 125%	PASS	8		PASS	
Endosulfan Sulfate	NA	534.5	1	5	ng/wet g	578.8	0	92	25 - 125%	PASS	3		PASS	
Endosulfan-I	NA	525.6	1	5	ng/wet g	578.8	0	91	45 - 125%	PASS	4		PASS	
Endosulfan-II	NA	579.4	1	5	ng/wet g	578.8	0	100	25 - 145%	PASS	3		PASS	
Endrin	NA	593.3	1	5	ng/wet g	578.8	0	103	60 - 125%	PASS	6		PASS	
Endrin Aldehyde	NA	0	1	5	ng/wet g	578.8	0	0	0 - 149%	PASS	0		PASS	
Endrin Ketone	NA	527.7	1	5	ng/wet g	578.8	0	91	45 - 125%	PASS	9		PASS	
Heptachlor	NA	493.3	1	5	ng/wet g	578.8	0	85	45 - 125%	PASS	0		PASS	
Heptachlor Epoxide	NA	533.5	1	5	ng/wet g	578.8	0	92	60 - 120%	PASS	4		PASS	
Methoxychlor	NA	609.9	1	5	ng/wet g	578.8	0	105	35 - 140%	PASS	4		PASS	
Mirex	NA	467.2	1	5	ng/wet g	578.8	0	81	50 - 130%	PASS	4		PASS	
Oxychlordane	NA	525.1	1	5	ng/wet g	578.8	0	91	70 - 130%	PASS	0		PASS	
Perthane	NA	562	5	10	ng/wet g	578.8	0	97	60 - 140%	PASS	1		PASS	
trans-Nonachlor	NA	659	1	5	ng/wet g	578.8	0	114	60 - 120%	PASS	1		PASS	

Batch ID: 2724c-34013 **LC - E Worms** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Matrix Spike 61735-MS1 **Tissue**

(PCB030)	NA	86			% Recovery	100	0	86	55 - 120%	PASS				

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(PCB112)	NA	84			% Recovery	100	0	84	65 - 120%	PASS				
(PCB198)	NA	76			% Recovery	100	0	76	60 - 120%	PASS				
(TCMX)	NA	83			% Recovery	100	0	83	50 - 120%	PASS				
2,4'-DDD	NA	504	1	5	ng/wet g	534.8	0	94	50 - 135%	PASS				
2,4'-DDE	NA	550.4	1	5	ng/wet g	534.8	0	103	60 - 130%	PASS				
2,4'-DDT	NA	604.2	1	5	ng/wet g	534.8	0	113	40 - 135%	PASS				
4,4'-DDD	NA	607.7	1	5	ng/wet g	534.8	0	114	70 - 130%	PASS				
4,4'-DDE	NA	553	1	5	ng/wet g	534.8	0	103	65 - 130%	PASS				
4,4'-DDT	NA	524.8	1	5	ng/wet g	534.8	0	98	35 - 140%	PASS				
Aldrin	NA	490.4	1	5	ng/wet g	534.8	0	92	50 - 125%	PASS				
BHC-alpha	NA	544.3	1	5	ng/wet g	534.8	0	102	60 - 120%	PASS				
BHC-beta	NA	451.8	1	5	ng/wet g	534.8	0	84	60 - 120%	PASS				
BHC-delta	NA	454.4	1	5	ng/wet g	534.8	0	85	60 - 120%	PASS				
BHC-gamma	NA	448.8	1	5	ng/wet g	534.8	0	84	60 - 120%	PASS				
Chlordane-alpha	NA	488.8	1	5	ng/wet g	534.8	0	91	70 - 130%	PASS				
Chlordane-gamma	NA	488.1	1	5	ng/wet g	534.8	0	91	60 - 120%	PASS				
cis-Nonachlor	NA	589.6	1	5	ng/wet g	534.8	0	110	60 - 120%	PASS				
DCPA (Dacthal)	NA	485.9	5	10	ng/wet g	534.8	0	91	60 - 140%	PASS				
Dicofol	NA	621.7	1	5	ng/wet g	534.8	0	116	65 - 125%	PASS				
Dieldrin	NA	562.1	1	5	ng/wet g	534.8	0	105	50 - 125%	PASS				
Endosulfan Sulfate	NA	514.5	1	5	ng/wet g	534.8	0	96	25 - 125%	PASS				
Endosulfan-I	NA	441.6	1	5	ng/wet g	534.8	0	83	45 - 125%	PASS				
Endosulfan-II	NA	571.6	1	5	ng/wet g	534.8	0	107	25 - 145%	PASS				
Endrin	NA	614.8	1	5	ng/wet g	534.8	0	115	60 - 125%	PASS				
Endrin Aldehyde	NA	0	1	5	ng/wet g	534.8	0	0	0 - 149%	PASS				
Endrin Ketone	NA	530.8	1	5	ng/wet g	534.8	0	99	45 - 125%	PASS				
Heptachlor	NA	459	1	5	ng/wet g	534.8	0	86	45 - 125%	PASS				
Heptachlor Epoxide	NA	495.1	1	5	ng/wet g	534.8	0	93	60 - 120%	PASS				
Kepone	NA	596.7	1	5	ng/wet g	534.8	0	112	60 - 120%	PASS				

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Methoxychlor	NA	564.5	1	5	ng/wet g	534.8	0	106	35 - 140%	PASS				
Mirex	NA	560.7	1	5	ng/wet g	534.8	0	105	50 - 130%	PASS				
Oxychlordane	NA	447.9	1	5	ng/wet g	534.8	0	84	70 - 130%	PASS				
Perthane	NA	577.7	5	10	ng/wet g	534.8	0	108	60 - 140%	PASS				
trans-Nonachlor	NA	481.9	1	5	ng/wet g	534.8	0	90	60 - 120%	PASS				
Batch ID: 2724c-34013		**LC - E**	**Worms**					**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Matrix Spike Dup 61735-MS2			**Tissue**											
(PCB030)	NA	82			% Recovery	100	0	82	55 - 120%	PASS	0	30	PASS	
(PCB112)	NA	82			% Recovery	100	0	82	65 - 120%	PASS	0	30	PASS	
(PCB198)	NA	76			% Recovery	100	0	76	60 - 120%	PASS	0	30	PASS	
(TCMX)	NA	77			% Recovery	100	0	77	50 - 120%	PASS	0	30	PASS	
2,4'-DDD	NA	514.4	1	5	ng/wet g	595.6	0	86	50 - 135%	PASS	9	30	PASS	
2,4'-DDE	NA	592.6	1	5	ng/wet g	595.6	0	99	60 - 130%	PASS	4	30	PASS	
2,4'-DDT	NA	666.5	1	5	ng/wet g	595.6	0	112	40 - 135%	PASS	1	30	PASS	
4,4'-DDD	NA	666.2	1	5	ng/wet g	595.6	0	112	70 - 130%	PASS	2	30	PASS	
4,4'-DDE	NA	635.2	1	5	ng/wet g	595.6	0	107	65 - 130%	PASS	4	30	PASS	
4,4'-DDT	NA	606.6	1	5	ng/wet g	595.6	0	102	35 - 140%	PASS	4	30	PASS	
Aldrin	NA	523.5	1	5	ng/wet g	595.6	0	88	50 - 125%	PASS	4	30	PASS	
BHC-alpha	NA	565.7	1	5	ng/wet g	595.6	0	95	60 - 120%	PASS	7	30	PASS	
BHC-beta	NA	529.2	1	5	ng/wet g	595.6	0	89	60 - 120%	PASS	6	30	PASS	
BHC-delta	NA	495.2	1	5	ng/wet g	595.6	0	83	60 - 120%	PASS	2	30	PASS	
BHC-gamma	NA	513.4	1	5	ng/wet g	595.6	0	86	60 - 120%	PASS	2	30	PASS	
Chlordane-alpha	NA	503.3	1	5	ng/wet g	595.6	0	85	70 - 130%	PASS	7	30	PASS	
Chlordane-gamma	NA	527.4	1	5	ng/wet g	595.6	0	89	60 - 120%	PASS	2	30	PASS	
cis-Nonachlor	NA	700.1	1	5	ng/wet g	595.6	0	118	60 - 120%	PASS	7	30	PASS	
DCPA (Dacthal)	NA	530.8	5	10	ng/wet g	595.6	0	89	60 - 140%	PASS	2	30	PASS	
Dicofol	NA	670.8	1	5	ng/wet g	595.6	0	113	65 - 125%	PASS	3	30	PASS	
Dieldrin	NA	645.8	1	5	ng/wet g	595.6	0	108	50 - 125%	PASS	3	30	PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endosulfan Sulfate	NA	535.7	1	5	ng/wet g	595.6	0	90	25 - 125%	PASS	6	30	PASS	
Endosulfan-I	NA	490.3	1	5	ng/wet g	595.6	0	82	45 - 125%	PASS	1	30	PASS	
Endosulfan-II	NA	503.4	1	5	ng/wet g	595.6	0	85	25 - 145%	PASS	23	30	PASS	
Endrin	NA	630.9	1	5	ng/wet g	595.6	0	106	60 - 125%	PASS	8	30	PASS	
Endrin Aldehyde	NA	0	1	5	ng/wet g	595.6	0	0	0 - 149%	PASS	0	30	PASS	
Endrin Ketone	NA	559	1	5	ng/wet g	595.6	0	94	45 - 125%	PASS	5	30	PASS	
Heptachlor	NA	537.7	1	5	ng/wet g	595.6	0	90	45 - 125%	PASS	5	30	PASS	
Heptachlor Epoxide	NA	527.6	1	5	ng/wet g	595.6	0	89	60 - 120%	PASS	4	30	PASS	
Kepone	NA	585.2	1	5	ng/wet g	595.6	0	98	60 - 120%	PASS	13	30	PASS	
Methoxychlor	NA	644.1	1	5	ng/wet g	595.6	0	108	35 - 140%	PASS	2	30	PASS	
Mirex	NA	626.4	1	5	ng/wet g	595.6	0	105	50 - 130%	PASS	0	30	PASS	
Oxychlordane	NA	481.7	1	5	ng/wet g	595.6	0	81	70 - 130%	PASS	4	30	PASS	
Perthane	NA	630.4	5	10	ng/wet g	595.6	0	106	60 - 140%	PASS	2	30	PASS	
trans-Nonachlor	NA	530.4	1	5	ng/wet g	595.6	0	89	60 - 120%	PASS	1	30	PASS	
Batch ID: 2724c-34013		**LC - E Worms**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Dup 61735-R2			**Tissue**											
(PCB030)	NA	91			% Recovery	100		91	55 - 120%	PASS	5	30	PASS	
(PCB112)	NA	77			% Recovery	100		77	65 - 120%	PASS	12	30	PASS	
(PCB198)	NA	60			% Recovery	100		60	60 - 120%	PASS	15	30	PASS	
(TCMX)	NA	91			% Recovery	100		91	50 - 120%	PASS	5	30	PASS	
2,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
2,4'-DDE	NA	ND	1	5	ng/wet g						0	30	PASS	
2,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDE	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
Aldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
BHC-beta	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-delta	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
cis-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g						0	30	PASS	
Dicofol	NA	ND	1	5	ng/wet g						0	30	PASS	
Dieldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-I	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-II	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Aldehyde	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Ketone	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g						0	30	PASS	
Kepone	NA	ND	1	5	ng/wet g						0	30	PASS	
Methoxychlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Mirex	NA	ND	1	5	ng/wet g						0	30	PASS	
Oxychlordane	NA	ND	1	5	ng/wet g						0	30	PASS	
Perthane	NA	ND	5	10	ng/wet g						0	30	PASS	
Toxaphene	NA	ND	10	50	ng/wet g						0	30	PASS	
trans-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	

Batch ID: 2724c-34019 **Ref - E Clams** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Matrix Spike 61755-MS1 **Tissue**

(PCB030)	NA	91	% Recovery	100	0	91	55 - 120%	PASS	
(PCB112)	NA	94	% Recovery	100	0	94	65 - 120%	PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(PCB198)	NA	86			% Recovery	100	0	86	60 - 120%	PASS				
(TCMX)	NA	90			% Recovery	100	0	90	50 - 120%	PASS				
2,4'-DDD	NA	262.1	1	5	ng/wet g	256	0	102	50 - 135%	PASS				
2,4'-DDE	NA	252.2	1	5	ng/wet g	256	0	99	60 - 130%	PASS				
2,4'-DDT	NA	288.7	1	5	ng/wet g	256	0	113	40 - 135%	PASS				
4,4'-DDD	NA	284.3	1	5	ng/wet g	256	0	111	70 - 130%	PASS				
4,4'-DDE	NA	302.3	1	5	ng/wet g	256	46.5	100	65 - 130%	PASS				
4,4'-DDT	NA	318.1	1	5	ng/wet g	256	0	124	35 - 140%	PASS				
Aldrin	NA	253.2	1	5	ng/wet g	256	0	99	50 - 125%	PASS				
BHC-alpha	NA	238.2	1	5	ng/wet g	256	0	93	60 - 120%	PASS				
BHC-beta	NA	255.1	1	5	ng/wet g	256	0	100	60 - 120%	PASS				
BHC-delta	NA	252.6	1	5	ng/wet g	256	0	99	60 - 120%	PASS				
BHC-gamma	NA	245	1	5	ng/wet g	256	0	96	60 - 120%	PASS				
Chlordane-alpha	NA	243	1	5	ng/wet g	256	0	95	70 - 130%	PASS				
Chlordane-gamma	NA	224.7	1	5	ng/wet g	256	0	88	60 - 120%	PASS				
cis-Nonachlor	NA	232.1	1	5	ng/wet g	256	0	91	60 - 120%	PASS				
DCPA (Dacthal)	NA	271.1	5	10	ng/wet g	256	0	106	60 - 140%	PASS				
Dicofol	NA	172.1	1	5	ng/wet g	256	0	67	65 - 125%	PASS				
Dieldrin	NA	277	1	5	ng/wet g	256	0	108	50 - 125%	PASS				
Endosulfan Sulfate	NA	278.3	1	5	ng/wet g	256	0	109	25 - 125%	PASS				
Endosulfan-I	NA	285.4	1	5	ng/wet g	256	0	111	45 - 125%	PASS				
Endosulfan-II	NA	288.9	1	5	ng/wet g	256	0	113	25 - 145%	PASS				
Endrin	NA	285.9	1	5	ng/wet g	256	0	112	60 - 125%	PASS				
Endrin Aldehyde	NA	77.2	1	5	ng/wet g	256	0	30	0 - 149%	PASS				
Endrin Ketone	NA	287	1	5	ng/wet g	256	0	112	45 - 125%	PASS				
Heptachlor	NA	279.9	1	5	ng/wet g	256	0	109	45 - 125%	PASS				
Heptachlor Epoxide	NA	245.4	1	5	ng/wet g	256	0	96	60 - 120%	PASS				
Kepone	NA	0	1	5	ng/wet g	256	0	0	60 - 120%	FAIL				
Methoxychlor	NA	253.7	1	5	ng/wet g	256	0	99	35 - 140%	PASS				

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Mirex	NA	206.9	1	5	ng/wet g	256	0	81	50 - 130%	PASS				
Oxychlordane	NA	264.5	1	5	ng/wet g	256	0	103	70 - 130%	PASS				
Perthane	NA	329.4	5	10	ng/wet g	256	59	106	60 - 140%	PASS				
trans-Nonachlor	NA	218.3	1	5	ng/wet g	256	0	85	60 - 120%	PASS				
Batch ID: 2724c-34019		**Ref - E Clams**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Matrix Spike Dup 61755-MS2			**Tissue**											
(PCB030)	NA	87			% Recovery	100	0	87	55 - 120%	PASS	0	30	PASS	
(PCB112)	NA	100			% Recovery	100	0	100	65 - 120%	PASS	0	30	PASS	
(PCB198)	NA	87			% Recovery	100	0	87	60 - 120%	PASS	0	30	PASS	
(TCMX)	NA	93			% Recovery	100	0	93	50 - 120%	PASS	0	30	PASS	
2,4'-DDD	NA	271.4	1	5	ng/wet g	259.8	0	104	50 - 135%	PASS	2	30	PASS	
2,4'-DDE	NA	262.3	1	5	ng/wet g	259.8	0	101	60 - 130%	PASS	2	30	PASS	
2,4'-DDT	NA	272.8	1	5	ng/wet g	259.8	0	105	40 - 135%	PASS	7	30	PASS	
4,4'-DDD	NA	259.9	1	5	ng/wet g	259.8	0	100	70 - 130%	PASS	10	30	PASS	
4,4'-DDE	NA	311	1	5	ng/wet g	259.8	46.5	102	65 - 130%	PASS	2	30	PASS	
4,4'-DDT	NA	294.6	1	5	ng/wet g	259.8	0	113	35 - 140%	PASS	9	30	PASS	
Aldrin	NA	258.4	1	5	ng/wet g	259.8	0	99	50 - 125%	PASS	0	30	PASS	
BHC-alpha	NA	241.3	1	5	ng/wet g	259.8	0	93	60 - 120%	PASS	0	30	PASS	
BHC-beta	NA	213.5	1	5	ng/wet g	259.8	0	82	60 - 120%	PASS	20	30	PASS	
BHC-delta	NA	274.5	1	5	ng/wet g	259.8	0	106	60 - 120%	PASS	7	30	PASS	
BHC-gamma	NA	262.8	1	5	ng/wet g	259.8	0	101	60 - 120%	PASS	5	30	PASS	
Chlordane-alpha	NA	254.3	1	5	ng/wet g	259.8	0	98	70 - 130%	PASS	3	30	PASS	
Chlordane-gamma	NA	262.7	1	5	ng/wet g	259.8	0	101	60 - 120%	PASS	14	30	PASS	
cis-Nonachlor	NA	245.3	1	5	ng/wet g	259.8	0	94	60 - 120%	PASS	3	30	PASS	
DCPA (Dacthal)	NA	283.2	5	10	ng/wet g	259.8	0	109	60 - 140%	PASS	3	30	PASS	
Dicofol	NA	169.3	1	5	ng/wet g	259.8	0	65	65 - 125%	PASS	3	30	PASS	
Dieldrin	NA	266.4	1	5	ng/wet g	259.8	0	103	50 - 125%	PASS	5	30	PASS	
Endosulfan Sulfate	NA	260	1	5	ng/wet g	259.8	0	100	25 - 125%	PASS	9	30	PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endosulfan-I	NA	279.8	1	5	ng/wet g	259.8	0	108	45 - 125%	PASS	3	30	PASS	
Endosulfan-II	NA	284.2	1	5	ng/wet g	259.8	0	109	25 - 145%	PASS	4	30	PASS	
Endrin	NA	275.9	1	5	ng/wet g	259.8	0	106	60 - 125%	PASS	6	30	PASS	
Endrin Aldehyde	NA	79.2	1	5	ng/wet g	259.8	0	30	0 - 149%	PASS	0	30	PASS	
Endrin Ketone	NA	300.8	1	5	ng/wet g	259.8	0	116	45 - 125%	PASS	4	30	PASS	
Heptachlor	NA	267.7	1	5	ng/wet g	259.8	0	103	45 - 125%	PASS	6	30	PASS	
Heptachlor Epoxide	NA	262.2	1	5	ng/wet g	259.8	0	101	60 - 120%	PASS	5	30	PASS	
Kepone	NA	0	1	5	ng/wet g	259.8	0	0	60 - 120%	FAIL	0	30	PASS	
Methoxychlor	NA	298	1	5	ng/wet g	259.8	0	115	35 - 140%	PASS	15	30	PASS	
Mirex	NA	222.1	1	5	ng/wet g	259.8	0	85	50 - 130%	PASS	5	30	PASS	
Oxychlordane	NA	237.1	1	5	ng/wet g	259.8	0	91	70 - 130%	PASS	12	30	PASS	
Perthane	NA	337.9	5	10	ng/wet g	259.8	59	107	60 - 140%	PASS	1	30	PASS	
trans-Nonachlor	NA	205	1	5	ng/wet g	259.8	0	79	60 - 120%	PASS	7	30	PASS	
Batch ID: 2724c-34019		**Ref - E Clams**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Lab Dup 61755-R2		**Tissue**												
(PCB030)	NA	99			% Recovery	100		99	55 - 120%	PASS	1	30	PASS	
(PCB112)	NA	108			% Recovery	100		108	65 - 120%	PASS	2	30	PASS	
(PCB198)	NA	99			% Recovery	100		99	60 - 120%	PASS	7	30	PASS	
(TCMX)	NA	103			% Recovery	100		103	50 - 120%	PASS	12	30	PASS	
2,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
2,4'-DDE	NA	ND	1	5	ng/wet g						0	30	PASS	
2,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDE	NA	90.6	1	5	ng/wet g						190	30	FAIL	
4,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
Aldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-beta	NA	ND	1	5	ng/wet g						0	30	PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
BHC-delta	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
cis-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	
DCPA (Dacthal)	NA	ND	5	10	ng/wet g						0	30	PASS	
Dicofol	NA	ND	1	5	ng/wet g						0	30	PASS	
Dieldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-I	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-II	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Aldehyde	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Ketone	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g						0	30	PASS	
Kepone	NA	ND	1	5	ng/wet g						0	30	PASS	
Methoxychlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Mirex	NA	ND	1	5	ng/wet g						0	30	PASS	
Oxychlordane	NA	ND	1	5	ng/wet g						0	30	PASS	
Perthane	NA	ND	5	10	ng/wet g						184	30	FAIL	Q3
Toxaphene	NA	ND	10	50	ng/wet g						0	30	PASS	
trans-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	

Batch ID: 2724c-34021 1C - E Clams Tissue 61775-MS5 **Prepared 1/10/2008** **Analyzed 05-Jan-08**

(PCB030)	NA	86	% Recovery	100	0	86	55 - 120%	PASS	
(PCB112)	NA	99	% Recovery	100	0	99	65 - 120%	PASS	
(PCB198)	NA	84	% Recovery	100	0	84	60 - 120%	PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(TCMX)	NA	81			% Recovery	100	0	81	50 - 120%	PASS				
2,4'-DDD	NA	560.3	1	5	ng/wet g	578.8	0	97	50 - 135%	PASS				
2,4'-DDE	NA	535.1	1	5	ng/wet g	578.8	0	92	60 - 130%	PASS				
2,4'-DDT	NA	524.1	1	5	ng/wet g	578.8	0	91	40 - 135%	PASS				
4,4'-DDD	NA	550.9	1	5	ng/wet g	578.8	0	95	70 - 130%	PASS				
4,4'-DDE	NA	533.4	1	5	ng/wet g	578.8	0	92	65 - 130%	PASS				
4,4'-DDT	NA	558.7	1	5	ng/wet g	578.8	0	97	35 - 140%	PASS				
Aldrin	NA	468.2	1	5	ng/wet g	578.8	0	81	50 - 125%	PASS				
BHC-alpha	NA	497.8	1	5	ng/wet g	578.8	0	86	60 - 120%	PASS				
BHC-beta	NA	535.1	1	5	ng/wet g	578.8	0	92	60 - 120%	PASS				
BHC-delta	NA	494.9	1	5	ng/wet g	578.8	0	86	60 - 120%	PASS				
BHC-gamma	NA	511.8	1	5	ng/wet g	578.8	0	88	60 - 120%	PASS				
Chlordane-alpha	NA	573.2	1	5	ng/wet g	578.8	0	99	70 - 130%	PASS				
Chlordane-gamma	NA	505	1	5	ng/wet g	578.8	0	87	60 - 120%	PASS				
cis-Nonachlor	NA	203.7	1	5	ng/wet g	578.8	0	35	60 - 120%	FAIL				
DCPA (Dacthal)	NA	469.3	5	10	ng/wet g	578.8	0	81	60 - 140%	PASS				
Dicofol	NA	502.8	1	5	ng/wet g	578.8	0	87	65 - 125%	PASS				
Dieldrin	NA	569	1	5	ng/wet g	578.8	0	98	50 - 125%	PASS				
Endosulfan Sulfate	NA	558	1	5	ng/wet g	578.8	0	96	25 - 125%	PASS				
Endosulfan-I	NA	545.1	1	5	ng/wet g	578.8	0	94	45 - 125%	PASS				
Endosulfan-II	NA	588.1	1	5	ng/wet g	578.8	0	102	25 - 145%	PASS				
Endrin	NA	611.8	1	5	ng/wet g	578.8	0	106	60 - 125%	PASS				
Endrin Aldehyde	NA	0	1	5	ng/wet g	578.8	0	0	0 - 149%	PASS				
Endrin Ketone	NA	454.8	1	5	ng/wet g	578.8	0	79	45 - 125%	PASS				
Heptachlor	NA	489.4	1	5	ng/wet g	578.8	0	85	45 - 125%	PASS				
Heptachlor Epoxide	NA	510.1	1	5	ng/wet g	578.8	0	88	60 - 120%	PASS				
Methoxychlor	NA	571.9	1	5	ng/wet g	578.8	0	99	35 - 140%	PASS				
Mirex	NA	473.2	1	5	ng/wet g	578.8	0	82	50 - 130%	PASS				
Oxychlordane	NA	463.2	1	5	ng/wet g	578.8	0	80	70 - 130%	PASS				

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Perthane	NA	616.6	5	10	ng/wet g	578.8	0	107	60 - 140%	PASS				
trans-Nonachlor	NA	651.7	1	5	ng/wet g	578.8	0	113	60 - 120%	PASS				
Batch ID: 2724c-34021 61775-MS6		**1C - E Clams Tissue**						**Prepared 1/10/2008**			**Analyzed 05-Jan-08**			
(PCB030)	NA	79			% Recovery	100	0	79	55 - 120%	PASS				
(PCB112)	NA	86			% Recovery	100	0	86	65 - 120%	PASS				
(PCB198)	NA	70			% Recovery	100	0	70	60 - 120%	PASS				
(TCMX)	NA	73			% Recovery	100	0	73	50 - 120%	PASS				
2,4'-DDD	NA	600.1	1	5	ng/wet g	578.8	0	104	50 - 135%	PASS				
2,4'-DDE	NA	493.6	1	5	ng/wet g	578.8	0	85	60 - 130%	PASS				
2,4'-DDT	NA	522.2	1	5	ng/wet g	578.8	0	90	40 - 135%	PASS				
4,4'-DDD	NA	528.9	1	5	ng/wet g	578.8	0	91	70 - 130%	PASS				
4,4'-DDE	NA	541	1	5	ng/wet g	578.8	0	93	65 - 130%	PASS				
4,4'-DDT	NA	567.9	1	5	ng/wet g	578.8	0	98	35 - 140%	PASS				
Aldrin	NA	559.1	1	5	ng/wet g	578.8	0	97	50 - 125%	PASS				
BHC-alpha	NA	489.7	1	5	ng/wet g	578.8	0	85	60 - 120%	PASS				
BHC-beta	NA	474.6	1	5	ng/wet g	578.8	0	82	60 - 120%	PASS				
BHC-delta	NA	457.5	1	5	ng/wet g	578.8	0	79	60 - 120%	PASS				
BHC-gamma	NA	484.9	1	5	ng/wet g	578.8	0	84	60 - 120%	PASS				
Chlordane-alpha	NA	484.9	1	5	ng/wet g	578.8	0	84	70 - 130%	PASS				
Chlordane-gamma	NA	499.4	1	5	ng/wet g	578.8	0	86	60 - 120%	PASS				
cis-Nonachlor	NA	241.4	1	5	ng/wet g	578.8	0	42	60 - 120%	FAIL				
DCPA (Dacthal)	NA	481	5	10	ng/wet g	578.8	0	83	60 - 140%	PASS				
Dicofol	NA	519.9	1	5	ng/wet g	578.8	0	90	65 - 125%	PASS				
Dieldrin	NA	557.2	1	5	ng/wet g	578.8	0	96	50 - 125%	PASS				
Endosulfan Sulfate	NA	531.5	1	5	ng/wet g	578.8	0	92	25 - 125%	PASS				
Endosulfan-I	NA	493.1	1	5	ng/wet g	578.8	0	85	45 - 125%	PASS				
Endosulfan-II	NA	557.7	1	5	ng/wet g	578.8	0	96	25 - 145%	PASS				

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Endrin	NA	590.7	1	5	ng/wet g	578.8	0	102	60 - 125%	PASS				
Endrin Aldehyde	NA	0	1	5	ng/wet g	578.8	0	0	0 - 149%	PASS				
Endrin Ketone	NA	508.2	1	5	ng/wet g	578.8	0	88	45 - 125%	PASS				
Heptachlor	NA	489.8	1	5	ng/wet g	578.8	0	85	45 - 125%	PASS				
Heptachlor Epoxide	NA	502.5	1	5	ng/wet g	578.8	0	87	60 - 120%	PASS				
Methoxychlor	NA	638.7	1	5	ng/wet g	578.8	0	110	35 - 140%	PASS				
Mirex	NA	461.9	1	5	ng/wet g	578.8	0	80	50 - 130%	PASS				
Oxychlordane	NA	460.6	1	5	ng/wet g	578.8	0	80	70 - 130%	PASS				
Perthane	NA	538.7	5	10	ng/wet g	578.8	0	93	60 - 140%	PASS				
trans-Nonachlor	NA	631.3	1	5	ng/wet g	578.8	0	109	60 - 120%	PASS				

Batch ID: 2724c-34021 **1C - E Clams Tissue** **Prepared 1/10/2008** **Analyzed 15-Jan-08**

Lab Dup 61775-R2

(PCB030)	NA	100			% Recovery	100		100	55 - 120%	PASS	1	30	PASS	
(PCB112)	NA	98			% Recovery	100		98	65 - 120%	PASS	0	30	PASS	
(PCB198)	NA	89			% Recovery	100		89	60 - 120%	PASS	2	30	PASS	
(TCMX)	NA	89			% Recovery	100		89	50 - 120%	PASS	8	30	PASS	
2,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
2,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDD	NA	ND	1	5	ng/wet g						0	30	PASS	
4,4'-DDT	NA	ND	1	5	ng/wet g						0	30	PASS	
Aldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-beta	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-delta	NA	ND	1	5	ng/wet g						0	30	PASS	
BHC-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-alpha	NA	ND	1	5	ng/wet g						0	30	PASS	
Chlordane-gamma	NA	ND	1	5	ng/wet g						0	30	PASS	
cis-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	

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Chlorinated Pesticides

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
DCPA (dacthal)	NA	ND	5	10	ng/wet g						0	30	PASS	
Dicofol	NA	ND	1	5	ng/wet g						0	30	PASS	
Dieldrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan Sulfate	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-I	NA	ND	1	5	ng/wet g						0	30	PASS	
Endosulfan-II	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Aldehyde	NA	ND	1	5	ng/wet g						0	30	PASS	
Endrin Ketone	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Heptachlor Epoxide	NA	ND	1	5	ng/wet g						0	30	PASS	
Methoxychlor	NA	ND	1	5	ng/wet g						0	30	PASS	
Mirex	NA	ND	1	5	ng/wet g						0	30	PASS	
Oxychlordane	NA	ND	1	5	ng/wet g						0	30	PASS	
Perthane	NA	ND	5	10	ng/wet g						0	30	PASS	
Toxaphene	NA	ND	10	50	ng/wet g						0	30	PASS	
trans-Nonachlor	NA	ND	1	5	ng/wet g						0	30	PASS	

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General Chemistry

QUALITY CONTROL REPORT

Analyte		Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID:	**2724c-45139**		**QAQC**	**Procedural Blank**					**Prepared**	**1/5/2008**		**Analyzed**	**05-Jan-08**		
Lab Blank	**61725-B1**			**DI Water**											
Percent Lipids		NA	ND	0.01	0.05	Percent									
Percent Solids		NA	ND	0.1	0.1	Percent									
Batch ID:	**2724c-18008**		**Ref - A**	**Worms**					**Prepared**	**1/8/2008**		**Analyzed**	**08-Jan-08**		
Lab Dup	**61726-R2**			**Tissue**											
Percent Solids		NA	16	0.1	0.1	Percent						3	30	PASS	
Batch ID:	**2724c-45139**		**LC - E**	**Worms**					**Prepared**	**1/5/2008**		**Analyzed**	**05-Jan-08**		
Lab Dup	**61735-R2**			**Tissue**											
Percent Lipids		NA	1.53	0.01	0.05	Percent						4	30	PASS	
Batch ID:	**2724c-45139**		**Ref - E**	**Clams**					**Prepared**	**1/5/2008**		**Analyzed**	**05-Jan-08**		
Lab Dup	**61755-R2**			**Tissue**											
Percent Lipids		NA	0.81	0.01	0.05	Percent						13	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34013		**QAQC Procedural Blank**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Blank 61725-B1			**DI Water**											
PCB008	NA	ND	1	5	ng/wet g									
PCB018	NA	ND	1	5	ng/wet g									
PCB028	NA	ND	1	5	ng/wet g									
PCB031	NA	ND	1	5	ng/wet g									
PCB033	NA	ND	1	5	ng/wet g									
PCB037	NA	ND	1	5	ng/wet g									
PCB044	NA	ND	1	5	ng/wet g									
PCB049	NA	ND	1	5	ng/wet g									
PCB052	NA	ND	1	5	ng/wet g									
PCB066	NA	ND	1	5	ng/wet g									
PCB070	NA	ND	1	5	ng/wet g									
PCB074	NA	ND	1	5	ng/wet g									
PCB077	NA	ND	1	5	ng/wet g									
PCB081	NA	ND	1	5	ng/wet g									
PCB087	NA	ND	1	5	ng/wet g									
PCB095	NA	ND	1	5	ng/wet g									
PCB097	NA	ND	1	5	ng/wet g									
PCB099	NA	ND	1	5	ng/wet g									
PCB101	NA	ND	1	5	ng/wet g									
PCB105	NA	ND	1	5	ng/wet g									
PCB110	NA	ND	1	5	ng/wet g									
PCB114	NA	ND	1	5	ng/wet g									
PCB118	NA	ND	1	5	ng/wet g									
PCB119	NA	ND	1	5	ng/wet g									
PCB123	NA	ND	1	5	ng/wet g									
PCB126	NA	ND	1	5	ng/wet g									

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB128	NA	ND	1	5	ng/wet g									
PCB138	NA	ND	1	5	ng/wet g									
PCB141	NA	ND	1	5	ng/wet g									
PCB149	NA	ND	1	5	ng/wet g									
PCB151	NA	ND	1	5	ng/wet g									
PCB153	NA	ND	1	5	ng/wet g									
PCB156	NA	ND	1	5	ng/wet g									
PCB157	NA	ND	1	5	ng/wet g									
PCB158	NA	ND	1	5	ng/wet g									
PCB167	NA	ND	1	5	ng/wet g									
PCB168+132	NA	ND	1	5	ng/wet g									
PCB169	NA	ND	1	5	ng/wet g									
PCB170	NA	ND	1	5	ng/wet g									
PCB174	NA	ND	1	5	ng/wet g									
PCB177	NA	ND	1	5	ng/wet g									
PCB180	NA	ND	1	5	ng/wet g									
PCB183	NA	ND	1	5	ng/wet g									
PCB187	NA	ND	1	5	ng/wet g									
PCB189	NA	ND	1	5	ng/wet g									
PCB194	NA	ND	1	5	ng/wet g									
PCB195	NA	ND	1	5	ng/wet g									
PCB200	NA	ND	1	5	ng/wet g									
PCB201	NA	ND	1	5	ng/wet g									
PCB206	NA	ND	1	5	ng/wet g									
PCB209	NA	ND	1	5	ng/wet g									

Batch ID: 2724c-34021 **QAQC Procedural Blank** **Prepared 1/10/2008** **Analyzed 15-Jan-08**
Lab Blank 61725-B3 **DI Water**

PCB008	NA	ND	1	5	ng/wet g				60 - 125%					

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB018	NA	ND	1	5	ng/wet g				60 - 125%					
PCB028	NA	ND	1	5	ng/wet g				60 - 125%					
PCB031	NA	ND	1	5	ng/wet g				60 - 125%					
PCB033	NA	ND	1	5	ng/wet g				60 - 125%					
PCB037	NA	ND	1	5	ng/wet g				60 - 125%					
PCB044	NA	ND	1	5	ng/wet g				60 - 125%					
PCB049	NA	ND	1	5	ng/wet g				60 - 125%					
PCB052	NA	ND	1	5	ng/wet g				60 - 125%					
PCB066	NA	ND	1	5	ng/wet g				60 - 125%					
PCB070	NA	ND	1	5	ng/wet g				60 - 125%					
PCB074	NA	ND	1	5	ng/wet g				60 - 125%					
PCB077	NA	ND	1	5	ng/wet g				60 - 125%					
PCB081	NA	ND	1	5	ng/wet g				60 - 125%					
PCB087	NA	ND	1	5	ng/wet g				60 - 125%					
PCB095	NA	ND	1	5	ng/wet g				60 - 125%					
PCB097	NA	ND	1	5	ng/wet g				60 - 125%					
PCB099	NA	ND	1	5	ng/wet g				60 - 125%					
PCB101	NA	ND	1	5	ng/wet g				60 - 125%					
PCB105	NA	ND	1	5	ng/wet g				60 - 125%					
PCB110	NA	ND	1	5	ng/wet g				60 - 125%					
PCB114	NA	ND	1	5	ng/wet g				60 - 125%					
PCB118	NA	ND	1	5	ng/wet g				60 - 125%					
PCB119	NA	ND	1	5	ng/wet g				60 - 125%					
PCB123	NA	ND	1	5	ng/wet g				60 - 125%					
PCB126	NA	ND	1	5	ng/wet g				60 - 125%					
PCB128	NA	ND	1	5	ng/wet g				60 - 125%					
PCB138	NA	ND	1	5	ng/wet g				60 - 125%					
PCB141	NA	ND	1	5	ng/wet g				60 - 125%					
PCB149	NA	ND	1	5	ng/wet g				60 - 125%					

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB151	NA	ND	1	5	ng/wet g				60 - 125%					
PCB153	NA	ND	1	5	ng/wet g				60 - 125%					
PCB156	NA	ND	1	5	ng/wet g				60 - 125%					
PCB157	NA	ND	1	5	ng/wet g				60 - 125%					
PCB158	NA	ND	1	5	ng/wet g				60 - 125%					
PCB167	NA	ND	1	5	ng/wet g				60 - 125%					
PCB168+132	NA	ND	1	5	ng/wet g				60 - 125%					
PCB169	NA	ND	1	5	ng/wet g				60 - 125%					
PCB170	NA	ND	1	5	ng/wet g				60 - 125%					
PCB174	NA	ND	1	5	ng/wet g				60 - 125%					
PCB177	NA	ND	1	5	ng/wet g				60 - 125%					
PCB180	NA	ND	1	5	ng/wet g				60 - 125%					
PCB183	NA	ND	1	5	ng/wet g				60 - 125%					
PCB187	NA	ND	1	5	ng/wet g				60 - 125%					
PCB189	NA	ND	1	5	ng/wet g				60 - 125%					
PCB194	NA	ND	1	5	ng/wet g				60 - 125%					
PCB195	NA	ND	1	5	ng/wet g				60 - 125%					
PCB200	NA	ND	1	5	ng/wet g				60 - 125%					
PCB201	NA	ND	1	5	ng/wet g				60 - 125%					
PCB206	NA	ND	1	5	ng/wet g				60 - 125%					
PCB209	NA	ND	1	5	ng/wet g				60 - 125%					

Batch ID: 2724c-34013 **QAQC Procedural Blank** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Blank Spike 61725-BS1 **DI Water**

PCB008	NA	477.6	1	5	ng/wet g	441	0	108	60 - 125%	PASS				
PCB018	NA	445.5	1	5	ng/wet g	441	0	101	60 - 125%	PASS				
PCB028	NA	496.5	1	5	ng/wet g	441	0	113	60 - 125%	PASS				
PCB031	NA	472.7	1	5	ng/wet g	441	0	107	60 - 125%	PASS				
PCB033	NA	490.8	1	5	ng/wet g	441	0	111	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB037	NA	502.8	1	5	ng/wet g	441	0	114	60 - 125%	PASS				
PCB044	NA	481.3	1	5	ng/wet g	441	0	109	60 - 125%	PASS				
PCB049	NA	472.7	1	5	ng/wet g	441	0	107	60 - 125%	PASS				
PCB052	NA	449.1	1	5	ng/wet g	441	0	102	60 - 125%	PASS				
PCB066	NA	496.2	1	5	ng/wet g	441	0	113	60 - 125%	PASS				
PCB070	NA	495.5	1	5	ng/wet g	441	0	112	60 - 125%	PASS				
PCB074	NA	492.5	1	5	ng/wet g	441	0	112	60 - 125%	PASS				
PCB077	NA	523.2	1	5	ng/wet g	441	0	119	60 - 125%	PASS				
PCB081	NA	515.1	1	5	ng/wet g	441	0	117	60 - 125%	PASS				
PCB087	NA	476.7	1	5	ng/wet g	441	0	108	60 - 125%	PASS				
PCB095	NA	473.8	1	5	ng/wet g	441	0	107	60 - 125%	PASS				
PCB097	NA	460	1	5	ng/wet g	441	0	104	60 - 125%	PASS				
PCB099	NA	498.4	1	5	ng/wet g	441	0	113	60 - 125%	PASS				
PCB101	NA	496.4	1	5	ng/wet g	441	0	113	60 - 125%	PASS				
PCB105	NA	475.1	1	5	ng/wet g	441	0	108	60 - 125%	PASS				
PCB110	NA	483.3	1	5	ng/wet g	441	0	110	60 - 125%	PASS				
PCB114	NA	492.5	1	5	ng/wet g	441	0	112	60 - 125%	PASS				
PCB118	NA	461.5	1	5	ng/wet g	441	0	105	60 - 125%	PASS				
PCB119	NA	479.8	1	5	ng/wet g	441	0	109	60 - 125%	PASS				
PCB123	NA	470.7	1	5	ng/wet g	441	0	107	60 - 125%	PASS				
PCB126	NA	494.6	1	5	ng/wet g	441	0	112	60 - 125%	PASS				
PCB128	NA	460	1	5	ng/wet g	441	0	104	60 - 125%	PASS				
PCB138	NA	444.5	1	5	ng/wet g	441	0	101	60 - 125%	PASS				
PCB141	NA	462.7	1	5	ng/wet g	441	0	105	60 - 125%	PASS				
PCB149	NA	435	1	5	ng/wet g	441	0	99	60 - 125%	PASS				
PCB151	NA	435.2	1	5	ng/wet g	441	0	99	60 - 125%	PASS				
PCB153	NA	486.8	1	5	ng/wet g	441	0	110	60 - 125%	PASS				
PCB156	NA	479	1	5	ng/wet g	441	0	109	60 - 125%	PASS				
PCB157	NA	447.4	1	5	ng/wet g	441	0	101	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB158	NA	466.7	1	5	ng/wet g	441	0	106	60 - 125%	PASS				
PCB167	NA	471	1	5	ng/wet g	441	0	107	60 - 125%	PASS				
PCB168+132	NA	586.3	1	5	ng/wet g	881.9	0	66	60 - 125%	PASS				
PCB169	NA	501.9	1	5	ng/wet g	441	0	114	60 - 125%	PASS				
PCB170	NA	427	1	5	ng/wet g	441	0	97	60 - 125%	PASS				
PCB174	NA	0	1	5	ng/wet g	441	0	0	60 - 125%	FAIL				
PCB177	NA	441.9	1	5	ng/wet g	441	0	100	60 - 125%	PASS				
PCB180	NA	421.1	1	5	ng/wet g	441	0	95	60 - 125%	PASS				
PCB183	NA	401.1	1	5	ng/wet g	441	0	91	60 - 125%	PASS				
PCB187	NA	390.7	1	5	ng/wet g	441	0	89	60 - 125%	PASS				
PCB189	NA	452.7	1	5	ng/wet g	441	0	103	60 - 125%	PASS				
PCB194	NA	408.2	1	5	ng/wet g	441	0	93	60 - 125%	PASS				
PCB195	NA	394.8	1	5	ng/wet g	385.8	0	102	60 - 125%	PASS				
PCB200	NA	354.8	1	5	ng/wet g	441	0	80	60 - 125%	PASS				
PCB201	NA	390.5	1	5	ng/wet g	441	0	89	60 - 125%	PASS				
PCB206	NA	376.1	1	5	ng/wet g	441	0	85	60 - 125%	PASS				
PCB209	NA	334.9	1	5	ng/wet g	441	0	76	60 - 125%	PASS				

Batch ID: 2724c-34013 QAQC Procedural Blank Prepared 1/4/2008 Analyzed 09-Jan-08
Blank Spike Dup 61725-BS2 DI Water

PCB008	NA	448.8	1	5	ng/wet g	441	0	102	60 - 125%	PASS	6	30	PASS	
PCB018	NA	468.2	1	5	ng/wet g	441	0	106	60 - 125%	PASS	5	30	PASS	
PCB028	NA	439.3	1	5	ng/wet g	441	0	100	60 - 125%	PASS	12	30	PASS	
PCB031	NA	488.4	1	5	ng/wet g	441	0	111	60 - 125%	PASS	4	30	PASS	
PCB033	NA	488.9	1	5	ng/wet g	441	0	111	60 - 125%	PASS	0	30	PASS	
PCB037	NA	506	1	5	ng/wet g	441	0	115	60 - 125%	PASS	1	30	PASS	
PCB044	NA	460.8	1	5	ng/wet g	441	0	104	60 - 125%	PASS	5	30	PASS	
PCB049	NA	495.8	1	5	ng/wet g	441	0	112	60 - 125%	PASS	5	30	PASS	
PCB052	NA	475.3	1	5	ng/wet g	441	0	108	60 - 125%	PASS	6	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB066	NA	490.8	1	5	ng/wet g	441	0	111	60 - 125%	PASS	2	30	PASS	
PCB070	NA	484.5	1	5	ng/wet g	441	0	110	60 - 125%	PASS	2	30	PASS	
PCB074	NA	500.8	1	5	ng/wet g	441	0	114	60 - 125%	PASS	2	30	PASS	
PCB077	NA	497.2	1	5	ng/wet g	441	0	113	60 - 125%	PASS	5	30	PASS	
PCB081	NA	493.7	1	5	ng/wet g	441	0	112	60 - 125%	PASS	4	30	PASS	
PCB087	NA	456.7	1	5	ng/wet g	441	0	104	60 - 125%	PASS	4	30	PASS	
PCB095	NA	450.6	1	5	ng/wet g	441	0	102	60 - 125%	PASS	5	30	PASS	
PCB097	NA	487.1	1	5	ng/wet g	441	0	110	60 - 125%	PASS	6	30	PASS	
PCB099	NA	479.5	1	5	ng/wet g	441	0	109	60 - 125%	PASS	4	30	PASS	
PCB101	NA	472.9	1	5	ng/wet g	441	0	107	60 - 125%	PASS	5	30	PASS	
PCB105	NA	493.2	1	5	ng/wet g	441	0	112	60 - 125%	PASS	4	30	PASS	
PCB110	NA	481.6	1	5	ng/wet g	441	0	109	60 - 125%	PASS	1	30	PASS	
PCB114	NA	437.7	1	5	ng/wet g	441	0	99	60 - 125%	PASS	12	30	PASS	
PCB118	NA	443.6	1	5	ng/wet g	441	0	101	60 - 125%	PASS	4	30	PASS	
PCB119	NA	462.9	1	5	ng/wet g	441	0	105	60 - 125%	PASS	4	30	PASS	
PCB123	NA	475.5	1	5	ng/wet g	441	0	108	60 - 125%	PASS	1	30	PASS	
PCB126	NA	535.4	1	5	ng/wet g	441	0	121	60 - 125%	PASS	8	30	PASS	
PCB128	NA	466.6	1	5	ng/wet g	441	0	106	60 - 125%	PASS	2	30	PASS	
PCB138	NA	474.7	1	5	ng/wet g	441	0	108	60 - 125%	PASS	7	30	PASS	
PCB141	NA	470	1	5	ng/wet g	441	0	107	60 - 125%	PASS	2	30	PASS	
PCB149	NA	423.6	1	5	ng/wet g	441	0	96	60 - 125%	PASS	3	30	PASS	
PCB151	NA	454.6	1	5	ng/wet g	441	0	103	60 - 125%	PASS	4	30	PASS	
PCB153	NA	471.4	1	5	ng/wet g	441	0	107	60 - 125%	PASS	3	30	PASS	
PCB156	NA	483.1	1	5	ng/wet g	441	0	110	60 - 125%	PASS	1	30	PASS	
PCB157	NA	450.3	1	5	ng/wet g	441	0	102	60 - 125%	PASS	1	30	PASS	
PCB158	NA	478.2	1	5	ng/wet g	441	0	108	60 - 125%	PASS	2	30	PASS	
PCB167	NA	473.1	1	5	ng/wet g	441	0	107	60 - 125%	PASS	0	30	PASS	
PCB168+132	NA	628	1	5	ng/wet g	881.9	0	71	60 - 125%	PASS	7	30	PASS	
PCB169	NA	454.3	1	5	ng/wet g	441	0	103	60 - 125%	PASS	10	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB170	NA	445.6	1	5	ng/wet g	441	0	101	60 - 125%	PASS	4	30	PASS	
PCB174	NA	0	1	5	ng/wet g	441	0	0	60 - 125%	FAIL	0	30	PASS	
PCB177	NA	407.1	1	5	ng/wet g	441	0	92	60 - 125%	PASS	8	30	PASS	
PCB180	NA	416.3	1	5	ng/wet g	441	0	94	60 - 125%	PASS	1	30	PASS	
PCB183	NA	428.1	1	5	ng/wet g	441	0	97	60 - 125%	PASS	6	30	PASS	
PCB187	NA	414.8	1	5	ng/wet g	441	0	94	60 - 125%	PASS	5	30	PASS	
PCB189	NA	457.5	1	5	ng/wet g	441	0	104	60 - 125%	PASS	1	30	PASS	
PCB194	NA	427	1	5	ng/wet g	441	0	97	60 - 125%	PASS	4	30	PASS	
PCB195	NA	414.8	1	5	ng/wet g	385.8	0	108	60 - 125%	PASS	6	30	PASS	
PCB200	NA	379.4	1	5	ng/wet g	441	0	86	60 - 125%	PASS	7	30	PASS	
PCB201	NA	409	1	5	ng/wet g	441	0	93	60 - 125%	PASS	4	30	PASS	
PCB206	NA	378.1	1	5	ng/wet g	441	0	86	60 - 125%	PASS	1	30	PASS	
PCB209	NA	357	1	5	ng/wet g	441	0	81	60 - 125%	PASS	6	30	PASS	

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Blank Spike 61725-BS3 **DI Water**

PCB008	NA	360.3	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB018	NA	362.5	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB028	NA	321.7	1	5	ng/wet g	348.1	0	92	60 - 125%	PASS				
PCB031	NA	304.2	1	5	ng/wet g	348.1	0	87	60 - 125%	PASS				
PCB033	NA	354.5	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB037	NA	353.5	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB044	NA	348.2	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS				
PCB049	NA	339.6	1	5	ng/wet g	348.1	0	98	60 - 125%	PASS				
PCB052	NA	359.7	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS				
PCB066	NA	311	1	5	ng/wet g	348.1	0	89	60 - 125%	PASS				
PCB070	NA	325	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS				
PCB074	NA	350.2	1	5	ng/wet g	348.1	0	101	60 - 125%	PASS				
PCB077	NA	335.7	1	5	ng/wet g	348.1	0	96	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB081	NA	356.4	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB087	NA	344.3	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS				
PCB095	NA	354.8	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB097	NA	346.1	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS				
PCB099	NA	362.2	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB101	NA	328.7	1	5	ng/wet g	348.1	0	94	60 - 125%	PASS				
PCB105	NA	359.7	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS				
PCB110	NA	357.5	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS				
PCB114	NA	345.4	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS				
PCB118	NA	345.6	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS				
PCB119	NA	339.2	1	5	ng/wet g	348.1	0	97	60 - 125%	PASS				
PCB123	NA	348.5	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS				
PCB126	NA	361.8	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB128	NA	310.4	1	5	ng/wet g	348.1	0	89	60 - 125%	PASS				
PCB138	NA	352	1	5	ng/wet g	348.1	0	101	60 - 125%	PASS				
PCB141	NA	322.9	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS				
PCB149	NA	293.7	1	5	ng/wet g	348.1	0	84	60 - 125%	PASS				
PCB151	NA	363.6	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB153	NA	313.2	1	5	ng/wet g	348.1	0	90	60 - 125%	PASS				
PCB156	NA	360.6	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB157	NA	353.6	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB158	NA	316.7	1	5	ng/wet g	348.1	0	91	60 - 125%	PASS				
PCB167	NA	366.2	1	5	ng/wet g	348.1	0	105	60 - 125%	PASS				
PCB168+132	NA	693.8	1	5	ng/wet g	696.3	0	100	60 - 125%	PASS				
PCB169	NA	360.4	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB170	NA	358.5	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS				
PCB174	NA	0	1	5	ng/wet g	304.6	0	0	60 - 125%	FAIL				
PCB177	NA	364	1	5	ng/wet g	348.1	0	105	60 - 125%	PASS				
PCB180	NA	355.6	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB183	NA	353.8	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS				
PCB187	NA	327.7	1	5	ng/wet g	348.1	0	94	60 - 125%	PASS				
PCB189	NA	361.5	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS				
PCB194	NA	368.1	1	5	ng/wet g	348.1	0	106	60 - 125%	PASS				
PCB195	NA	309.5	1	5	ng/wet g	304.6	0	102	60 - 125%	PASS				
PCB200	NA	325.9	1	5	ng/wet g	348.1	0	94	60 - 125%	PASS				
PCB201	NA	366.3	1	5	ng/wet g	348.1	0	105	60 - 125%	PASS				
PCB206	NA	344.3	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS				
PCB209	NA	270.1	1	5	ng/wet g	348.1	0	78	60 - 125%	PASS				
Batch ID: 2724c-34019		**QAQC**	**Procedural Blank**					**Prepared**	**1/8/2008**		**Analyzed**	**11-Jan-08**		
Blank Spike Dup 61725-BS4			**DI Water**											
PCB008	NA	335.8	1	5	ng/wet g	348.1	0	96	60 - 125%	PASS	7		PASS	
PCB018	NA	366.4	1	5	ng/wet g	348.1	0	105	60 - 125%	PASS	1		PASS	
PCB028	NA	355.1	1	5	ng/wet g	348.1	0	102	60 - 125%	PASS	10		PASS	
PCB031	NA	317	1	5	ng/wet g	348.1	0	91	60 - 125%	PASS	4		PASS	
PCB033	NA	361.7	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS	2		PASS	
PCB037	NA	327.5	1	5	ng/wet g	348.1	0	94	60 - 125%	PASS	8		PASS	
PCB044	NA	339.6	1	5	ng/wet g	348.1	0	98	60 - 125%	PASS	2		PASS	
PCB049	NA	351.9	1	5	ng/wet g	348.1	0	101	60 - 125%	PASS	3		PASS	
PCB052	NA	361.8	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS	1		PASS	
PCB066	NA	311.6	1	5	ng/wet g	348.1	0	90	60 - 125%	PASS	1		PASS	
PCB070	NA	325.3	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS	0		PASS	
PCB074	NA	329.9	1	5	ng/wet g	348.1	0	95	60 - 125%	PASS	6		PASS	
PCB077	NA	318	1	5	ng/wet g	348.1	0	91	60 - 125%	PASS	5		PASS	
PCB081	NA	356.9	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS	1		PASS	
PCB087	NA	333.9	1	5	ng/wet g	348.1	0	96	60 - 125%	PASS	3		PASS	
PCB095	NA	363.1	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS	2		PASS	
PCB097	NA	318.1	1	5	ng/wet g	348.1	0	91	60 - 125%	PASS	8		PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB099	NA	361.6	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS	0		PASS	
PCB101	NA	339.4	1	5	ng/wet g	348.1	0	98	60 - 125%	PASS	3		PASS	
PCB105	NA	325.3	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS	10		PASS	
PCB110	NA	321	1	5	ng/wet g	348.1	0	92	60 - 125%	PASS	11		PASS	
PCB114	NA	341.9	1	5	ng/wet g	348.1	0	98	60 - 125%	PASS	1		PASS	
PCB118	NA	332.1	1	5	ng/wet g	348.1	0	95	60 - 125%	PASS	4		PASS	
PCB119	NA	346.5	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS	3		PASS	
PCB123	NA	348.1	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS	0		PASS	
PCB126	NA	306.1	1	5	ng/wet g	348.1	0	88	60 - 125%	PASS	17		PASS	
PCB128	NA	360	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS	15		PASS	
PCB138	NA	622.4	1	5	ng/wet g	348.1	0	179	60 - 125%	FAIL	56		PASS	
PCB141	NA	331.7	1	5	ng/wet g	348.1	0	95	60 - 125%	PASS	2		PASS	
PCB149	NA	341.9	1	5	ng/wet g	348.1	0	98	60 - 125%	PASS	15		PASS	
PCB151	NA	332.1	1	5	ng/wet g	348.1	0	95	60 - 125%	PASS	9		PASS	
PCB153	NA	348.1	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS	11		PASS	
PCB156	NA	368.6	1	5	ng/wet g	348.1	0	106	60 - 125%	PASS	2		PASS	
PCB157	NA	324.2	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS	9		PASS	
PCB158	NA	319	1	5	ng/wet g	348.1	0	92	60 - 125%	PASS	1		PASS	
PCB167	NA	320.9	1	5	ng/wet g	348.1	0	92	60 - 125%	PASS	13		PASS	
PCB168+132	NA	339.1	1	5	ng/wet g	696.3	0	49	60 - 125%	FAIL	68		PASS	
PCB169	NA	361.5	1	5	ng/wet g	348.1	0	104	60 - 125%	PASS	0		PASS	
PCB170	NA	302.3	1	5	ng/wet g	348.1	0	87	60 - 125%	PASS	17		PASS	
PCB174	NA	0	1	5	ng/wet g	304.6	0	0	60 - 125%	FAIL	0		PASS	
PCB177	NA	304.5	1	5	ng/wet g	348.1	0	87	60 - 125%	PASS	19		PASS	
PCB180	NA	269.7	1	5	ng/wet g	348.1	0	77	60 - 125%	PASS	28		PASS	
PCB183	NA	304.2	1	5	ng/wet g	348.1	0	87	60 - 125%	PASS	16		PASS	
PCB187	NA	324.8	1	5	ng/wet g	348.1	0	93	60 - 125%	PASS	1		PASS	
PCB189	NA	357.7	1	5	ng/wet g	348.1	0	103	60 - 125%	PASS	1		PASS	
PCB194	NA	345.2	1	5	ng/wet g	348.1	0	99	60 - 125%	PASS	7		PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB195	NA	289.8	1	5	ng/wet g	304.6	0	95	60 - 125%	PASS	7		PASS	
PCB200	NA	314	1	5	ng/wet g	348.1	0	90	60 - 125%	PASS	4		PASS	
PCB201	NA	346.8	1	5	ng/wet g	348.1	0	100	60 - 125%	PASS	5		PASS	
PCB206	NA	320.5	1	5	ng/wet g	348.1	0	92	60 - 125%	PASS	7		PASS	
PCB209	NA	335.9	1	5	ng/wet g	348.1	0	96	60 - 125%	PASS	21		PASS	
Batch ID: 2724c-34021		**QAQC**	**Procedural Blank**					**Prepared**	**1/10/2008**		**Analyzed**	**15-Jan-08**		
Blank Spike 61725-BS5			**DI Water**											
PCB008	NA	388.7	1	5	ng/wet g	463	0	84	60 - 125%	PASS				
PCB018	NA	388.5	1	5	ng/wet g	463	0	84	60 - 125%	PASS				
PCB028	NA	420.4	1	5	ng/wet g	463	0	91	60 - 125%	PASS				
PCB031	NA	406.3	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB033	NA	416.6	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB037	NA	440.2	1	5	ng/wet g	463	0	95	60 - 125%	PASS				
PCB044	NA	419.8	1	5	ng/wet g	463	0	91	60 - 125%	PASS				
PCB049	NA	401.4	1	5	ng/wet g	463	0	87	60 - 125%	PASS				
PCB052	NA	397.9	1	5	ng/wet g	463	0	86	60 - 125%	PASS				
PCB066	NA	408.8	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB070	NA	410.7	1	5	ng/wet g	463	0	89	60 - 125%	PASS				
PCB074	NA	448.3	1	5	ng/wet g	463	0	97	60 - 125%	PASS				
PCB077	NA	456.7	1	5	ng/wet g	463	0	99	60 - 125%	PASS				
PCB081	NA	410.8	1	5	ng/wet g	463	0	89	60 - 125%	PASS				
PCB087	NA	444.1	1	5	ng/wet g	463	0	96	60 - 125%	PASS				
PCB095	NA	384.5	1	5	ng/wet g	463	0	83	60 - 125%	PASS				
PCB097	NA	408.8	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB099	NA	413.1	1	5	ng/wet g	463	0	89	60 - 125%	PASS				
PCB101	NA	418.6	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB105	NA	380.3	1	5	ng/wet g	463	0	82	60 - 125%	PASS				
PCB110	NA	451.2	1	5	ng/wet g	463	0	97	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB114	NA	458.6	1	5	ng/wet g	463	0	99	60 - 125%	PASS				
PCB118	NA	417.3	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB119	NA	406	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB123	NA	442.6	1	5	ng/wet g	463	0	96	60 - 125%	PASS				
PCB126	NA	401.1	1	5	ng/wet g	463	0	87	60 - 125%	PASS				
PCB128	NA	415	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB138	NA	416.6	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB141	NA	386.2	1	5	ng/wet g	463	0	83	60 - 125%	PASS				
PCB149	NA	417.9	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB151	NA	405	1	5	ng/wet g	463	0	87	60 - 125%	PASS				
PCB153	NA	445.1	1	5	ng/wet g	463	0	96	60 - 125%	PASS				
PCB156	NA	423	1	5	ng/wet g	463	0	91	60 - 125%	PASS				
PCB157	NA	412	1	5	ng/wet g	463	0	89	60 - 125%	PASS				
PCB158	NA	442.9	1	5	ng/wet g	463	0	96	60 - 125%	PASS				
PCB167	NA	415.7	1	5	ng/wet g	463	0	90	60 - 125%	PASS				
PCB168+132	NA	794.8	1	5	ng/wet g	926.1	0	86	60 - 125%	PASS				
PCB169	NA	423.8	1	5	ng/wet g	463	0	92	60 - 125%	PASS				
PCB170	NA	400.4	1	5	ng/wet g	463	0	86	60 - 125%	PASS				
PCB174	NA	0	1	5	ng/wet g	405.2	0	0	60 - 125%	FAIL				
PCB177	NA	391.4	1	5	ng/wet g	463	0	85	60 - 125%	PASS				
PCB180	NA	398.9	1	5	ng/wet g	463	0	86	60 - 125%	PASS				
PCB183	NA	409.5	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB187	NA	409.6	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB189	NA	438.2	1	5	ng/wet g	463	0	95	60 - 125%	PASS				
PCB194	NA	403.4	1	5	ng/wet g	463	0	87	60 - 125%	PASS				
PCB195	NA	402	1	5	ng/wet g	405.2	0	99	60 - 125%	PASS				
PCB200	NA	392.6	1	5	ng/wet g	463	0	85	60 - 125%	PASS				
PCB201	NA	408.1	1	5	ng/wet g	463	0	88	60 - 125%	PASS				
PCB206	NA	402.3	1	5	ng/wet g	463	0	87	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB209	NA	372.7	1	5	ng/wet g	463	0	80	60 - 125%	PASS				
Batch ID: 2724c-34021		**QAQC Procedural Blank**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Blank Spike Dup 61725-BS6			**DI Water**											
PCB008	NA	383.6	1	5	ng/wet g	463	0	83	60 - 125%	PASS	1		PASS	
PCB018	NA	375.6	1	5	ng/wet g	463	0	81	60 - 125%	PASS	4		PASS	
PCB028	NA	426.6	1	5	ng/wet g	463	0	92	60 - 125%	PASS	1		PASS	
PCB031	NA	456.8	1	5	ng/wet g	463	0	99	60 - 125%	PASS	12		PASS	
PCB033	NA	409.1	1	5	ng/wet g	463	0	88	60 - 125%	PASS	2		PASS	
PCB037	NA	440.3	1	5	ng/wet g	463	0	95	60 - 125%	PASS	0		PASS	
PCB044	NA	400.5	1	5	ng/wet g	463	0	87	60 - 125%	PASS	6		PASS	
PCB049	NA	403.1	1	5	ng/wet g	463	0	87	60 - 125%	PASS	0		PASS	
PCB052	NA	402.6	1	5	ng/wet g	463	0	87	60 - 125%	PASS	1		PASS	
PCB066	NA	418.6	1	5	ng/wet g	463	0	90	60 - 125%	PASS	2		PASS	
PCB070	NA	439.2	1	5	ng/wet g	463	0	95	60 - 125%	PASS	7		PASS	
PCB074	NA	450.5	1	5	ng/wet g	463	0	97	60 - 125%	PASS	0		PASS	
PCB077	NA	460.4	1	5	ng/wet g	463	0	99	60 - 125%	PASS	0		PASS	
PCB081	NA	404.6	1	5	ng/wet g	463	0	87	60 - 125%	PASS	2		PASS	
PCB087	NA	445.8	1	5	ng/wet g	463	0	96	60 - 125%	PASS	0		PASS	
PCB095	NA	407.5	1	5	ng/wet g	463	0	88	60 - 125%	PASS	6		PASS	
PCB097	NA	385	1	5	ng/wet g	463	0	83	60 - 125%	PASS	6		PASS	
PCB099	NA	409.2	1	5	ng/wet g	463	0	88	60 - 125%	PASS	1		PASS	
PCB101	NA	401.1	1	5	ng/wet g	463	0	87	60 - 125%	PASS	3		PASS	
PCB105	NA	395	1	5	ng/wet g	463	0	85	60 - 125%	PASS	4		PASS	
PCB110	NA	403	1	5	ng/wet g	463	0	87	60 - 125%	PASS	11		PASS	
PCB114	NA	469.3	1	5	ng/wet g	463	0	101	60 - 125%	PASS	2		PASS	
PCB118	NA	400.4	1	5	ng/wet g	463	0	86	60 - 125%	PASS	5		PASS	
PCB119	NA	431.9	1	5	ng/wet g	463	0	93	60 - 125%	PASS	6		PASS	
PCB123	NA	423.7	1	5	ng/wet g	463	0	92	60 - 125%	PASS	4		PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB126	NA	439.7	1	5	ng/wet g	463	0	95	60 - 125%	PASS	9		PASS	
PCB128	NA	414.3	1	5	ng/wet g	463	0	89	60 - 125%	PASS	1		PASS	
PCB138	NA	404.1	1	5	ng/wet g	463	0	87	60 - 125%	PASS	3		PASS	
PCB141	NA	383.9	1	5	ng/wet g	463	0	83	60 - 125%	PASS	0		PASS	
PCB149	NA	399.2	1	5	ng/wet g	463	0	86	60 - 125%	PASS	5		PASS	
PCB151	NA	423.4	1	5	ng/wet g	463	0	91	60 - 125%	PASS	4		PASS	
PCB153	NA	415.7	1	5	ng/wet g	463	0	90	60 - 125%	PASS	6		PASS	
PCB156	NA	397.5	1	5	ng/wet g	463	0	86	60 - 125%	PASS	6		PASS	
PCB157	NA	380.3	1	5	ng/wet g	463	0	82	60 - 125%	PASS	8		PASS	
PCB158	NA	411.8	1	5	ng/wet g	463	0	89	60 - 125%	PASS	8		PASS	
PCB167	NA	414.3	1	5	ng/wet g	463	0	89	60 - 125%	PASS	1		PASS	
PCB168+132	NA	826.1	1	5	ng/wet g	926.1	0	89	60 - 125%	PASS	3		PASS	
PCB169	NA	387.2	1	5	ng/wet g	463	0	84	60 - 125%	PASS	9		PASS	
PCB170	NA	413.6	1	5	ng/wet g	463	0	89	60 - 125%	PASS	3		PASS	
PCB174	NA	0	1	5	ng/wet g	405.2	0	0	60 - 125%	FAIL	0		PASS	
PCB177	NA	394.2	1	5	ng/wet g	463	0	85	60 - 125%	PASS	0		PASS	
PCB180	NA	403.3	1	5	ng/wet g	463	0	87	60 - 125%	PASS	1		PASS	
PCB183	NA	413	1	5	ng/wet g	463	0	89	60 - 125%	PASS	1		PASS	
PCB187	NA	397.3	1	5	ng/wet g	463	0	86	60 - 125%	PASS	2		PASS	
PCB189	NA	407.8	1	5	ng/wet g	463	0	88	60 - 125%	PASS	8		PASS	
PCB194	NA	415	1	5	ng/wet g	463	0	90	60 - 125%	PASS	3		PASS	
PCB195	NA	422.2	1	5	ng/wet g	405.2	0	104	60 - 125%	PASS	5		PASS	
PCB200	NA	384.3	1	5	ng/wet g	463	0	83	60 - 125%	PASS	2		PASS	
PCB201	NA	401.1	1	5	ng/wet g	463	0	87	60 - 125%	PASS	1		PASS	
PCB206	NA	394.7	1	5	ng/wet g	463	0	85	60 - 125%	PASS	2		PASS	
PCB209	NA	365.2	1	5	ng/wet g	463	0	79	60 - 125%	PASS	1		PASS	

Batch ID: **2724c-34013** **LC - E** **Worms** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Matrix Spike **61735-MS1** **Tissue**

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB008	NA	517.6	1	5	ng/wet g	427.8	0	121	60 - 125%	PASS				
PCB018	NA	486.7	1	5	ng/wet g	427.8	0	114	60 - 125%	PASS				
PCB028	NA	475.3	1	5	ng/wet g	427.8	0	111	60 - 125%	PASS				
PCB031	NA	484.8	1	5	ng/wet g	427.8	0	113	60 - 125%	PASS				
PCB033	NA	489.6	1	5	ng/wet g	427.8	0	114	60 - 125%	PASS				
PCB037	NA	489.9	1	5	ng/wet g	427.8	0	115	60 - 125%	PASS				
PCB044	NA	486.4	1	5	ng/wet g	427.8	0	114	60 - 125%	PASS				
PCB049	NA	483.7	1	5	ng/wet g	427.8	0	113	60 - 125%	PASS				
PCB052	NA	476.4	1	5	ng/wet g	427.8	0	111	60 - 125%	PASS				
PCB066	NA	467	1	5	ng/wet g	427.8	0	109	60 - 125%	PASS				
PCB070	NA	490.5	1	5	ng/wet g	427.8	0	115	60 - 125%	PASS				
PCB074	NA	489.7	1	5	ng/wet g	427.8	0	114	60 - 125%	PASS				
PCB077	NA	493.4	1	5	ng/wet g	427.8	0	115	60 - 125%	PASS				
PCB081	NA	513	1	5	ng/wet g	427.8	0	120	60 - 125%	PASS				
PCB087	NA	456.2	1	5	ng/wet g	427.8	0	107	60 - 125%	PASS				
PCB095	NA	430	1	5	ng/wet g	427.8	1.1	100	60 - 125%	PASS				
PCB097	NA	438.4	1	5	ng/wet g	427.8	0	102	60 - 125%	PASS				
PCB099	NA	452.2	1	5	ng/wet g	427.8	0	106	60 - 125%	PASS				
PCB101	NA	440.1	1	5	ng/wet g	427.8	2.3	102	60 - 125%	PASS				
PCB105	NA	462.3	1	5	ng/wet g	427.8	0	108	60 - 125%	PASS				
PCB110	NA	429.7	1	5	ng/wet g	427.8	0	100	60 - 125%	PASS				
PCB114	NA	457.8	1	5	ng/wet g	427.8	0	107	60 - 125%	PASS				
PCB118	NA	454.3	1	5	ng/wet g	427.8	0	106	60 - 125%	PASS				
PCB119	NA	406.2	1	5	ng/wet g	427.8	0	95	60 - 125%	PASS				
PCB123	NA	474.4	1	5	ng/wet g	427.8	0	111	60 - 125%	PASS				
PCB126	NA	513.1	1	5	ng/wet g	427.8	0	120	60 - 125%	PASS				
PCB128	NA	434.9	1	5	ng/wet g	427.8	0	102	60 - 125%	PASS				
PCB138	NA	420.4	1	5	ng/wet g	427.8	4.1	97	60 - 125%	PASS				
PCB141	NA	408.6	1	5	ng/wet g	427.8	0	96	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB149	NA	395.1	1	5	ng/wet g	427.8	2.4	92	60 - 125%	PASS				
PCB151	NA	397.9	1	5	ng/wet g	427.8	0	93	60 - 125%	PASS				
PCB153	NA	456.3	1	5	ng/wet g	427.8	4.9	106	60 - 125%	PASS				
PCB156	NA	434	1	5	ng/wet g	427.8	0	101	60 - 125%	PASS				
PCB157	NA	403.9	1	5	ng/wet g	427.8	0	94	60 - 125%	PASS				
PCB158	NA	428.6	1	5	ng/wet g	427.8	0	100	60 - 125%	PASS				
PCB167	NA	429	1	5	ng/wet g	427.8	0	100	60 - 125%	PASS				
PCB168+132	NA	515.4	1	5	ng/wet g	855.7	0	60	60 - 125%	PASS				
PCB169	NA	465.8	1	5	ng/wet g	427.8	0	109	60 - 125%	PASS				
PCB170	NA	376	1	5	ng/wet g	427.8	0	88	60 - 125%	PASS				
PCB174	NA	0	1	5	ng/wet g	427.8	0	0	60 - 125%	FAIL				
PCB177	NA	384.4	1	5	ng/wet g	427.8	0	90	60 - 125%	PASS				
PCB180	NA	397.6	1	5	ng/wet g	427.8	0	93	60 - 125%	PASS				
PCB183	NA	375.2	1	5	ng/wet g	427.8	0	88	60 - 125%	PASS				
PCB187	NA	371.2	1	5	ng/wet g	427.8	0	87	60 - 125%	PASS				
PCB189	NA	400.8	1	5	ng/wet g	427.8	0	94	60 - 125%	PASS				
PCB194	NA	375.3	1	5	ng/wet g	427.8	0	88	60 - 125%	PASS				
PCB195	NA	381.7	1	5	ng/wet g	374.4	0	102	60 - 125%	PASS				
PCB200	NA	321.3	1	5	ng/wet g	427.8	0	75	60 - 125%	PASS				
PCB201	NA	367.7	1	5	ng/wet g	427.8	0	86	60 - 125%	PASS				
PCB206	NA	314.7	1	5	ng/wet g	427.8	0	74	60 - 125%	PASS				
PCB209	NA	281.7	1	5	ng/wet g	427.8	0	66	60 - 125%	PASS				
Batch ID: 2724c-34013		**LC - E**	**Worms**					**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Matrix Spike Dup 61735-MS2			**Tissue**											
PCB008	NA	545.4	1	5	ng/wet g	476.5	0	114	60 - 125%	PASS	6	30	PASS	
PCB018	NA	542.1	1	5	ng/wet g	476.5	0	114	60 - 125%	PASS	0	30	PASS	
PCB028	NA	527	1	5	ng/wet g	476.5	0	111	60 - 125%	PASS	0	30	PASS	
PCB031	NA	482.7	1	5	ng/wet g	476.5	0	101	60 - 125%	PASS	11	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB033	NA	557	1	5	ng/wet g	476.5	0	117	60 - 125%	PASS	3	30	PASS	
PCB037	NA	539.2	1	5	ng/wet g	476.5	0	113	60 - 125%	PASS	2	30	PASS	
PCB044	NA	504.6	1	5	ng/wet g	476.5	0	106	60 - 125%	PASS	7	30	PASS	
PCB049	NA	535.9	1	5	ng/wet g	476.5	0	112	60 - 125%	PASS	1	30	PASS	
PCB052	NA	517.4	1	5	ng/wet g	476.5	0	109	60 - 125%	PASS	2	30	PASS	
PCB066	NA	545.9	1	5	ng/wet g	476.5	0	115	60 - 125%	PASS	5	30	PASS	
PCB070	NA	554.5	1	5	ng/wet g	476.5	0	116	60 - 125%	PASS	1	30	PASS	
PCB074	NA	550	1	5	ng/wet g	476.5	0	115	60 - 125%	PASS	1	30	PASS	
PCB077	NA	532.2	1	5	ng/wet g	476.5	0	112	60 - 125%	PASS	3	30	PASS	
PCB081	NA	557.6	1	5	ng/wet g	476.5	0	117	60 - 125%	PASS	3	30	PASS	
PCB087	NA	526.5	1	5	ng/wet g	476.5	0	110	60 - 125%	PASS	3	30	PASS	
PCB095	NA	478.9	1	5	ng/wet g	476.5	1.1	100	60 - 125%	PASS	0	30	PASS	
PCB097	NA	483.2	1	5	ng/wet g	476.5	0	101	60 - 125%	PASS	1	30	PASS	
PCB099	NA	498.5	1	5	ng/wet g	476.5	0	105	60 - 125%	PASS	1	30	PASS	
PCB101	NA	477.7	1	5	ng/wet g	476.5	2.3	100	60 - 125%	PASS	2	30	PASS	
PCB105	NA	518.6	1	5	ng/wet g	476.5	0	109	60 - 125%	PASS	1	30	PASS	
PCB110	NA	501.2	1	5	ng/wet g	476.5	0	105	60 - 125%	PASS	5	30	PASS	
PCB114	NA	524	1	5	ng/wet g	476.5	0	110	60 - 125%	PASS	3	30	PASS	
PCB118	NA	499.3	1	5	ng/wet g	476.5	0	105	60 - 125%	PASS	1	30	PASS	
PCB119	NA	477.1	1	5	ng/wet g	476.5	0	100	60 - 125%	PASS	5	30	PASS	
PCB123	NA	534.3	1	5	ng/wet g	476.5	0	112	60 - 125%	PASS	1	30	PASS	
PCB126	NA	584.3	1	5	ng/wet g	476.5	0	123	60 - 125%	PASS	2	30	PASS	
PCB128	NA	475.1	1	5	ng/wet g	476.5	0	100	60 - 125%	PASS	2	30	PASS	
PCB138	NA	486.8	1	5	ng/wet g	476.5	4.1	101	60 - 125%	PASS	4	30	PASS	
PCB141	NA	469.8	1	5	ng/wet g	476.5	0	99	60 - 125%	PASS	3	30	PASS	
PCB149	NA	446.8	1	5	ng/wet g	476.5	2.4	93	60 - 125%	PASS	1	30	PASS	
PCB151	NA	461	1	5	ng/wet g	476.5	0	97	60 - 125%	PASS	4	30	PASS	
PCB153	NA	511.8	1	5	ng/wet g	476.5	4.9	106	60 - 125%	PASS	1	30	PASS	
PCB156	NA	489.9	1	5	ng/wet g	476.5	0	103	60 - 125%	PASS	2	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB157	NA	464.4	1	5	ng/wet g	476.5	0	97	60 - 125%	PASS	3	30	PASS	
PCB158	NA	458.3	1	5	ng/wet g	476.5	0	96	60 - 125%	PASS	4	30	PASS	
PCB167	NA	465.6	1	5	ng/wet g	476.5	0	98	60 - 125%	PASS	2	30	PASS	
PCB168+132	NA	573.6	1	5	ng/wet g	953	0	60	60 - 125%	PASS	0	30	PASS	
PCB169	NA	536.5	1	5	ng/wet g	476.5	0	113	60 - 125%	PASS	4	30	PASS	
PCB170	NA	429.6	1	5	ng/wet g	476.5	0	90	60 - 125%	PASS	2	30	PASS	
PCB174	NA	0	1	5	ng/wet g	476.5	0	0	60 - 125%	FAIL	0	30	PASS	
PCB177	NA	456.5	1	5	ng/wet g	476.5	0	96	60 - 125%	PASS	6	30	PASS	
PCB180	NA	424.7	1	5	ng/wet g	476.5	0	89	60 - 125%	PASS	4	30	PASS	
PCB183	NA	415.9	1	5	ng/wet g	476.5	0	87	60 - 125%	PASS	1	30	PASS	
PCB187	NA	433.7	1	5	ng/wet g	476.5	0	91	60 - 125%	PASS	4	30	PASS	
PCB189	NA	442.7	1	5	ng/wet g	476.5	0	93	60 - 125%	PASS	1	30	PASS	
PCB194	NA	395.8	1	5	ng/wet g	476.5	0	83	60 - 125%	PASS	6	30	PASS	
PCB195	NA	410.4	1	5	ng/wet g	416.9	0	98	60 - 125%	PASS	4	30	PASS	
PCB200	NA	360.6	1	5	ng/wet g	476.5	0	76	60 - 125%	PASS	1	30	PASS	
PCB201	NA	401.3	1	5	ng/wet g	476.5	0	84	60 - 125%	PASS	2	30	PASS	
PCB206	NA	360.8	1	5	ng/wet g	476.5	0	76	60 - 125%	PASS	3	30	PASS	
PCB209	NA	314.8	1	5	ng/wet g	476.5	0	66	60 - 125%	PASS	0	30	PASS	

Batch ID: 2724c-34013 **LC - E Worms** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Lab Dup 61735-R2 **Tissue**

PCB008	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB018	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB028	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB031	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB033	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB037	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB044	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB049	NA	ND	1	5	ng/wet g						0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB052	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB066	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB070	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB074	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB077	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB081	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB087	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB095	NA	2.2	1	5	ng/wet g						75	30	FAIL	J,Q3
PCB097	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB099	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB101	NA	4.7	1	5	ng/wet g						130	30	FAIL	J,Q3
PCB105	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB110	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB114	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB118	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB119	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB123	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB126	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB128	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB138	NA	8.1	1	5	ng/wet g						156	30	FAIL	Q3
PCB141	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB149	NA	4.8	1	5	ng/wet g						131	30	FAIL	J,Q3
PCB151	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB153	NA	9.9	1	5	ng/wet g						163	30	FAIL	Q3
PCB156	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB157	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB158	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB167	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB168+132	NA	ND	1	5	ng/wet g						0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB169	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB170	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB174	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB177	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB180	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB183	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB187	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB189	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB194	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB195	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB200	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB201	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB206	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB209	NA	ND	1	5	ng/wet g						0	30	PASS	

Batch ID: 2724c-34019 **Ref - E Clams Tissue** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Matrix Spike 61755-MS1

PCB008	NA	204.5	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB018	NA	218	1	5	ng/wet g	204.8	0	106	60 - 125%	PASS				
PCB028	NA	213.4	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB031	NA	212.1	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB033	NA	211	1	5	ng/wet g	204.8	0	103	60 - 125%	PASS				
PCB037	NA	208.7	1	5	ng/wet g	204.8	0	102	60 - 125%	PASS				
PCB044	NA	223.1	1	5	ng/wet g	204.8	0	109	60 - 125%	PASS				
PCB049	NA	205.4	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB052	NA	221.3	1	5	ng/wet g	204.8	0	108	60 - 125%	PASS				
PCB066	NA	212.5	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB070	NA	209.8	1	5	ng/wet g	204.8	0	102	60 - 125%	PASS				
PCB074	NA	220.5	1	5	ng/wet g	204.8	0	108	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB077	NA	210.5	1	5	ng/wet g	204.8	0	103	60 - 125%	PASS				
PCB081	NA	207.8	1	5	ng/wet g	204.8	0	101	60 - 125%	PASS				
PCB087	NA	205	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB095	NA	210.5	1	5	ng/wet g	204.8	0	103	60 - 125%	PASS				
PCB097	NA	210.3	1	5	ng/wet g	204.8	0	103	60 - 125%	PASS				
PCB099	NA	202.1	1	5	ng/wet g	204.8	0	99	60 - 125%	PASS				
PCB101	NA	199.6	1	5	ng/wet g	204.8	0	97	60 - 125%	PASS				
PCB105	NA	198.4	1	5	ng/wet g	204.8	0	97	60 - 125%	PASS				
PCB110	NA	206.9	1	5	ng/wet g	204.8	0	101	60 - 125%	PASS				
PCB114	NA	215.5	1	5	ng/wet g	204.8	0	105	60 - 125%	PASS				
PCB118	NA	210.3	1	5	ng/wet g	204.8	0	103	60 - 125%	PASS				
PCB119	NA	205.6	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB123	NA	212.5	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB126	NA	212.3	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB128	NA	196.7	1	5	ng/wet g	204.8	0	96	60 - 125%	PASS				
PCB138	NA	205	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB141	NA	197.9	1	5	ng/wet g	204.8	0	97	60 - 125%	PASS				
PCB149	NA	207	1	5	ng/wet g	204.8	0	101	60 - 125%	PASS				
PCB151	NA	204.3	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB153	NA	205.3	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB156	NA	219.8	1	5	ng/wet g	204.8	0	107	60 - 125%	PASS				
PCB157	NA	202.4	1	5	ng/wet g	204.8	0	99	60 - 125%	PASS				
PCB158	NA	189.7	1	5	ng/wet g	204.8	0	93	60 - 125%	PASS				
PCB167	NA	208.8	1	5	ng/wet g	204.8	0	102	60 - 125%	PASS				
PCB168+132	NA	410.6	1	5	ng/wet g	409.7	0	100	60 - 125%	PASS				
PCB169	NA	194.3	1	5	ng/wet g	204.8	0	95	60 - 125%	PASS				
PCB170	NA	229.4	1	5	ng/wet g	204.8	0	112	60 - 125%	PASS				
PCB174	NA	192.2	1	5	ng/wet g	179.2	0	107	60 - 125%	PASS				
PCB177	NA	206.4	1	5	ng/wet g	204.8	0	101	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB180	NA	205.9	1	5	ng/wet g	204.8	0	101	60 - 125%	PASS				
PCB183	NA	204.7	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB187	NA	216.2	1	5	ng/wet g	204.8	0	106	60 - 125%	PASS				
PCB189	NA	229.5	1	5	ng/wet g	204.8	0	112	60 - 125%	PASS				
PCB194	NA	212.6	1	5	ng/wet g	204.8	0	104	60 - 125%	PASS				
PCB195	NA	154.1	1	5	ng/wet g	179.2	0	86	60 - 125%	PASS				
PCB200	NA	188.5	1	5	ng/wet g	204.8	0	92	60 - 125%	PASS				
PCB201	NA	204.3	1	5	ng/wet g	204.8	0	100	60 - 125%	PASS				
PCB206	NA	189.2	1	5	ng/wet g	204.8	0	92	60 - 125%	PASS				
PCB209	NA	209.5	1	5	ng/wet g	204.8	0	102	60 - 125%	PASS				

Batch ID: 2724c-34019 **Ref - E Clams Tissue** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Matrix Spike Dup 61755-MS2

PCB008	NA	222.5	1	5	ng/wet g	207.8	0	107	60 - 125%	PASS	7	30	PASS	
PCB018	NA	220.2	1	5	ng/wet g	207.8	0	106	60 - 125%	PASS	0	30	PASS	
PCB028	NA	195.4	1	5	ng/wet g	207.8	0	94	60 - 125%	PASS	10	30	PASS	
PCB031	NA	194.3	1	5	ng/wet g	207.8	0	94	60 - 125%	PASS	11	30	PASS	
PCB033	NA	203.6	1	5	ng/wet g	207.8	0	98	60 - 125%	PASS	5	30	PASS	
PCB037	NA	210.4	1	5	ng/wet g	207.8	0	101	60 - 125%	PASS	1	30	PASS	
PCB044	NA	209.6	1	5	ng/wet g	207.8	0	101	60 - 125%	PASS	8	30	PASS	
PCB049	NA	216.2	1	5	ng/wet g	207.8	0	104	60 - 125%	PASS	4	30	PASS	
PCB052	NA	204.8	1	5	ng/wet g	207.8	0	99	60 - 125%	PASS	9	30	PASS	
PCB066	NA	199.7	1	5	ng/wet g	207.8	0	96	60 - 125%	PASS	8	30	PASS	
PCB070	NA	212.9	1	5	ng/wet g	207.8	0	102	60 - 125%	PASS	0	30	PASS	
PCB074	NA	209.7	1	5	ng/wet g	207.8	0	101	60 - 125%	PASS	7	30	PASS	
PCB077	NA	206.7	1	5	ng/wet g	207.8	0	99	60 - 125%	PASS	4	30	PASS	
PCB081	NA	209.3	1	5	ng/wet g	207.8	0	101	60 - 125%	PASS	0	30	PASS	
PCB087	NA	212.3	1	5	ng/wet g	207.8	0	102	60 - 125%	PASS	2	30	PASS	
PCB095	NA	213.2	1	5	ng/wet g	207.8	0	103	60 - 125%	PASS	0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB097	NA	197	1	5	ng/wet g	207.8	0	95	60 - 125%	PASS	8	30	PASS	
PCB099	NA	205.2	1	5	ng/wet g	207.8	0	99	60 - 125%	PASS	0	30	PASS	
PCB101	NA	213.7	1	5	ng/wet g	207.8	0	103	60 - 125%	PASS	6	30	PASS	
PCB105	NA	198.2	1	5	ng/wet g	207.8	0	95	60 - 125%	PASS	2	30	PASS	
PCB110	NA	206.8	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	2	30	PASS	
PCB114	NA	207.6	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	5	30	PASS	
PCB118	NA	207.2	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	3	30	PASS	
PCB119	NA	199.1	1	5	ng/wet g	207.8	0	96	60 - 125%	PASS	4	30	PASS	
PCB123	NA	211.1	1	5	ng/wet g	207.8	0	102	60 - 125%	PASS	2	30	PASS	
PCB126	NA	217.1	1	5	ng/wet g	207.8	0	104	60 - 125%	PASS	0	30	PASS	
PCB128	NA	216.3	1	5	ng/wet g	207.8	0	104	60 - 125%	PASS	8	30	PASS	
PCB138	NA	222.8	1	5	ng/wet g	207.8	0	107	60 - 125%	PASS	7	30	PASS	
PCB141	NA	218.2	1	5	ng/wet g	207.8	0	105	60 - 125%	PASS	8	30	PASS	
PCB149	NA	211.2	1	5	ng/wet g	207.8	0	102	60 - 125%	PASS	1	30	PASS	
PCB151	NA	220.2	1	5	ng/wet g	207.8	0	106	60 - 125%	PASS	6	30	PASS	
PCB153	NA	200.5	1	5	ng/wet g	207.8	0	96	60 - 125%	PASS	4	30	PASS	
PCB156	NA	211.8	1	5	ng/wet g	207.8	0	102	60 - 125%	PASS	5	30	PASS	
PCB157	NA	207	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	1	30	PASS	
PCB158	NA	204	1	5	ng/wet g	207.8	0	98	60 - 125%	PASS	5	30	PASS	
PCB167	NA	207.3	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	2	30	PASS	
PCB168+132	NA	404.6	1	5	ng/wet g	415.7	0	97	60 - 125%	PASS	3	30	PASS	
PCB169	NA	207.5	1	5	ng/wet g	207.8	0	100	60 - 125%	PASS	5	30	PASS	
PCB170	NA	201.8	1	5	ng/wet g	207.8	0	97	60 - 125%	PASS	14	30	PASS	
PCB174	NA	202.9	1	5	ng/wet g	181.9	0	112	60 - 125%	PASS	5	30	PASS	
PCB177	NA	196.4	1	5	ng/wet g	207.8	0	95	60 - 125%	PASS	7	30	PASS	
PCB180	NA	205.2	1	5	ng/wet g	207.8	0	99	60 - 125%	PASS	2	30	PASS	
PCB183	NA	219	1	5	ng/wet g	207.8	0	105	60 - 125%	PASS	5	30	PASS	
PCB187	NA	206.3	1	5	ng/wet g	207.8	0	99	60 - 125%	PASS	7	30	PASS	
PCB189	NA	213.6	1	5	ng/wet g	207.8	0	103	60 - 125%	PASS	8	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB194	NA	200	1	5	ng/wet g	207.8	0	96	60 - 125%	PASS	8	30	PASS	
PCB195	NA	174.2	1	5	ng/wet g	181.9	0	96	60 - 125%	PASS	11	30	PASS	
PCB200	NA	195	1	5	ng/wet g	207.8	0	94	60 - 125%	PASS	2	30	PASS	
PCB201	NA	199.7	1	5	ng/wet g	207.8	0	96	60 - 125%	PASS	4	30	PASS	
PCB206	NA	180	1	5	ng/wet g	207.8	0	87	60 - 125%	PASS	6	30	PASS	
PCB209	NA	178.3	1	5	ng/wet g	207.8	0	86	60 - 125%	PASS	17	30	PASS	
Batch ID: 2724c-34019		**Ref - E Clams**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Lab Dup 61755-R2		**Tissue**												
PCB008	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB018	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB028	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB031	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB033	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB037	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB044	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB049	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB052	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB066	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB070	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB074	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB077	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB081	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB087	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB095	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB097	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB099	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB101	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB105	NA	ND	1	5	ng/wet g						0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB110	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB114	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB118	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB119	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB123	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB126	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB128	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB138	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB141	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB149	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB151	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB153	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB156	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB157	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB158	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB167	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB168+132	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB169	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB170	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB174	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB177	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB180	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB183	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB187	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB189	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB194	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB195	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB200	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB201	NA	ND	1	5	ng/wet g						0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB206	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB209	NA	ND	1	5	ng/wet g						0	30	PASS	
Batch ID: 2724c-34021 61775-MS5		**1C - E Clams Tissue**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
PCB008	NA	235.4	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB018	NA	241.2	1	5	ng/wet g	245.4	0	98	60 - 125%	PASS				
PCB028	NA	262.5	1	5	ng/wet g	245.4	0	107	60 - 125%	PASS				
PCB031	NA	235.2	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB033	NA	244.2	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				
PCB037	NA	247.2	1	5	ng/wet g	245.4	0	101	60 - 125%	PASS				
PCB044	NA	243.7	1	5	ng/wet g	245.4	0	99	60 - 125%	PASS				
PCB049	NA	243	1	5	ng/wet g	245.4	0	99	60 - 125%	PASS				
PCB052	NA	241.2	1	5	ng/wet g	245.4	0	98	60 - 125%	PASS				
PCB066	NA	246.5	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				
PCB070	NA	251.6	1	5	ng/wet g	245.4	0	103	60 - 125%	PASS				
PCB074	NA	254.2	1	5	ng/wet g	245.4	0	104	60 - 125%	PASS				
PCB077	NA	244.8	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				
PCB081	NA	225.5	1	5	ng/wet g	245.4	0	92	60 - 125%	PASS				
PCB087	NA	246.3	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				
PCB095	NA	243.7	1	5	ng/wet g	245.4	0	99	60 - 125%	PASS				
PCB097	NA	232.8	1	5	ng/wet g	245.4	0	95	60 - 125%	PASS				
PCB099	NA	234	1	5	ng/wet g	245.4	0	95	60 - 125%	PASS				
PCB101	NA	252.4	1	5	ng/wet g	245.4	0	103	60 - 125%	PASS				
PCB105	NA	227.7	1	5	ng/wet g	245.4	0	93	60 - 125%	PASS				
PCB110	NA	244.6	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				
PCB114	NA	249.4	1	5	ng/wet g	245.4	0	102	60 - 125%	PASS				
PCB118	NA	242	1	5	ng/wet g	245.4	0	99	60 - 125%	PASS				
PCB119	NA	244.2	1	5	ng/wet g	245.4	0	100	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB123	NA	235.5	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB126	NA	247.2	1	5	ng/wet g	245.4	0	101	60 - 125%	PASS				
PCB128	NA	236	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB138	NA	248.2	1	5	ng/wet g	245.4	0	101	60 - 125%	PASS				
PCB141	NA	222.8	1	5	ng/wet g	245.4	0	91	60 - 125%	PASS				
PCB149	NA	230.3	1	5	ng/wet g	245.4	0	94	60 - 125%	PASS				
PCB151	NA	247.7	1	5	ng/wet g	245.4	0	101	60 - 125%	PASS				
PCB153	NA	207.4	1	5	ng/wet g	245.4	0	85	60 - 125%	PASS				
PCB156	NA	242.4	1	5	ng/wet g	245.4	0	99	60 - 125%	PASS				
PCB157	NA	226.1	1	5	ng/wet g	245.4	0	92	60 - 125%	PASS				
PCB158	NA	235.4	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB167	NA	235.2	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB168+132	NA	456.5	1	5	ng/wet g	490.8	0	93	60 - 125%	PASS				
PCB169	NA	228	1	5	ng/wet g	245.4	0	93	60 - 125%	PASS				
PCB170	NA	224.2	1	5	ng/wet g	245.4	0	91	60 - 125%	PASS				
PCB174	NA	213.7	1	5	ng/wet g	214.7	0	100	60 - 125%	PASS				
PCB177	NA	217	1	5	ng/wet g	245.4	0	88	60 - 125%	PASS				
PCB180	NA	212.1	1	5	ng/wet g	245.4	0	86	60 - 125%	PASS				
PCB183	NA	234.4	1	5	ng/wet g	245.4	0	96	60 - 125%	PASS				
PCB187	NA	231.8	1	5	ng/wet g	245.4	0	94	60 - 125%	PASS				
PCB189	NA	214.1	1	5	ng/wet g	245.4	0	87	60 - 125%	PASS				
PCB194	NA	217.3	1	5	ng/wet g	245.4	0	89	60 - 125%	PASS				
PCB195	NA	212	1	5	ng/wet g	214.7	0	99	60 - 125%	PASS				
PCB200	NA	218.3	1	5	ng/wet g	245.4	0	89	60 - 125%	PASS				
PCB201	NA	231	1	5	ng/wet g	245.4	0	94	60 - 125%	PASS				
PCB206	NA	212.9	1	5	ng/wet g	245.4	0	87	60 - 125%	PASS				
PCB209	NA	196.6	1	5	ng/wet g	245.4	0	80	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34021 61775-MS6		**1C - E Clams Tissue**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
PCB008	NA	249.8	1	5	ng/wet g	243.1	0	103	60 - 125%	PASS				
PCB018	NA	237.9	1	5	ng/wet g	243.1	0	98	60 - 125%	PASS				
PCB028	NA	253.5	1	5	ng/wet g	243.1	0	104	60 - 125%	PASS				
PCB031	NA	236	1	5	ng/wet g	243.1	0	97	60 - 125%	PASS				
PCB033	NA	234.4	1	5	ng/wet g	243.1	0	96	60 - 125%	PASS				
PCB037	NA	240.6	1	5	ng/wet g	243.1	0	99	60 - 125%	PASS				
PCB044	NA	213.6	1	5	ng/wet g	243.1	0	88	60 - 125%	PASS				
PCB049	NA	235.1	1	5	ng/wet g	243.1	0	97	60 - 125%	PASS				
PCB052	NA	244.7	1	5	ng/wet g	243.1	0	101	60 - 125%	PASS				
PCB066	NA	246.9	1	5	ng/wet g	243.1	0	102	60 - 125%	PASS				
PCB070	NA	234.5	1	5	ng/wet g	243.1	0	96	60 - 125%	PASS				
PCB074	NA	251.8	1	5	ng/wet g	243.1	0	104	60 - 125%	PASS				
PCB077	NA	232.3	1	5	ng/wet g	243.1	0	96	60 - 125%	PASS				
PCB081	NA	242.8	1	5	ng/wet g	243.1	0	100	60 - 125%	PASS				
PCB087	NA	241.9	1	5	ng/wet g	243.1	0	100	60 - 125%	PASS				
PCB095	NA	235.1	1	5	ng/wet g	243.1	0	97	60 - 125%	PASS				
PCB097	NA	240.4	1	5	ng/wet g	243.1	0	99	60 - 125%	PASS				
PCB099	NA	227.5	1	5	ng/wet g	243.1	0	94	60 - 125%	PASS				
PCB101	NA	238.9	1	5	ng/wet g	243.1	0	98	60 - 125%	PASS				
PCB105	NA	230.7	1	5	ng/wet g	243.1	0	95	60 - 125%	PASS				
PCB110	NA	220.2	1	5	ng/wet g	243.1	0	91	60 - 125%	PASS				
PCB114	NA	241.1	1	5	ng/wet g	243.1	0	99	60 - 125%	PASS				
PCB118	NA	228.8	1	5	ng/wet g	243.1	0	94	60 - 125%	PASS				
PCB119	NA	213.9	1	5	ng/wet g	243.1	0	88	60 - 125%	PASS				
PCB123	NA	223.5	1	5	ng/wet g	243.1	0	92	60 - 125%	PASS				
PCB126	NA	227.5	1	5	ng/wet g	243.1	0	94	60 - 125%	PASS				

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB128	NA	221.3	1	5	ng/wet g	243.1	0	91	60 - 125%	PASS				
PCB138	NA	227.9	1	5	ng/wet g	243.1	0	94	60 - 125%	PASS				
PCB141	NA	213.2	1	5	ng/wet g	243.1	0	88	60 - 125%	PASS				
PCB149	NA	216	1	5	ng/wet g	243.1	0	89	60 - 125%	PASS				
PCB151	NA	211.5	1	5	ng/wet g	243.1	0	87	60 - 125%	PASS				
PCB153	NA	230.3	1	5	ng/wet g	243.1	0	95	60 - 125%	PASS				
PCB156	NA	207.5	1	5	ng/wet g	243.1	0	85	60 - 125%	PASS				
PCB157	NA	203.8	1	5	ng/wet g	243.1	0	84	60 - 125%	PASS				
PCB158	NA	212.6	1	5	ng/wet g	243.1	0	87	60 - 125%	PASS				
PCB167	NA	218.9	1	5	ng/wet g	243.1	0	90	60 - 125%	PASS				
PCB168+132	NA	428.5	1	5	ng/wet g	486.2	0	88	60 - 125%	PASS				
PCB169	NA	212.2	1	5	ng/wet g	243.1	0	87	60 - 125%	PASS				
PCB170	NA	211.8	1	5	ng/wet g	243.1	0	87	60 - 125%	PASS				
PCB174	NA	195.9	1	5	ng/wet g	212.7	0	92	60 - 125%	PASS				
PCB177	NA	205.4	1	5	ng/wet g	243.1	0	84	60 - 125%	PASS				
PCB180	NA	204.3	1	5	ng/wet g	243.1	0	84	60 - 125%	PASS				
PCB183	NA	199.7	1	5	ng/wet g	243.1	0	82	60 - 125%	PASS				
PCB187	NA	204.6	1	5	ng/wet g	243.1	0	84	60 - 125%	PASS				
PCB189	NA	209.1	1	5	ng/wet g	243.1	0	86	60 - 125%	PASS				
PCB194	NA	206.6	1	5	ng/wet g	243.1	0	85	60 - 125%	PASS				
PCB195	NA	195.7	1	5	ng/wet g	212.7	0	92	60 - 125%	PASS				
PCB200	NA	194.5	1	5	ng/wet g	243.1	0	80	60 - 125%	PASS				
PCB201	NA	229.5	1	5	ng/wet g	243.1	0	94	60 - 125%	PASS				
PCB206	NA	196.5	1	5	ng/wet g	243.1	0	81	60 - 125%	PASS				
PCB209	NA	195.9	1	5	ng/wet g	243.1	0	81	60 - 125%	PASS				

Batch ID: 2724c-34021 **1C - E Clams** **Prepared 1/10/2008** **Analyzed 15-Jan-08**
Lab Dup 61775-R2 **Tissue**

PCB008	NA	ND	1	5	ng/wet g						0	30	PASS

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB018	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB028	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB031	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB033	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB037	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB044	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB049	NA	ND	1	5	ng/wet g							30		
PCB074	NA	ND	1	5	ng/wet g							30		
PCB077	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB081	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB087	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB097	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB105	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB114	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB119	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB123	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB126	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB128	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB141	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB151	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB156	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB157	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB158	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB167	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB168+132	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB169	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB170	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB174	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB177	NA	ND	1	5	ng/wet g						0	30	PASS	

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PCB Congeners

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
PCB180	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB183	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB187	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB189	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB194	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB195	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB200	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB201	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB206	NA	ND	1	5	ng/wet g						0	30	PASS	
PCB209	NA	ND	1	5	ng/wet g						0	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34013		**QAQC Procedural Blank**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Lab Blank 61725-B1			**DI Water**											
(d10-Acenaphthene)	NA	73			% Recovery	100		73	40 - 115%	PASS				
(d10-Phenanthrene)	NA	88			% Recovery	100		88	60 - 115%	PASS				
(d12-Chrysene)	NA	105			% Recovery	100		105	60 - 130%	PASS				
(d12-Perylene)	NA	88			% Recovery	100		88	55 - 135%	PASS				
(d8-Naphthalene)	NA	61			% Recovery	100		61	25 - 105%	PASS				
1-Methylnaphthalene	NA	ND	1	5	ng/wet g									
1-Methylphenanthrene	NA	ND	1	5	ng/wet g									
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g									
2,6-Dimethylnaphthalene	NA	ND	1	5	ng/wet g									
2-Methylnaphthalene	NA	ND	1	5	ng/wet g									
Acenaphthene	NA	ND	1	5	ng/wet g									
Acenaphthylene	NA	ND	1	5	ng/wet g									
Anthracene	NA	ND	1	5	ng/wet g									
Benz[a]anthracene	NA	ND	1	5	ng/wet g									
Benzo[a]pyrene	NA	ND	1	5	ng/wet g									
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g									
Benzo[e]pyrene	NA	ND	1	5	ng/wet g									
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g									
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g									
Biphenyl	NA	ND	1	5	ng/wet g									
Chrysene	NA	ND	1	5	ng/wet g									
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g									
Dibenzothiophene	NA	ND	1	5	ng/wet g									
Fluoranthene	NA	ND	1	5	ng/wet g									
Fluorene	NA	ND	1	5	ng/wet g									
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g									

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Naphthalene	NA	ND	1	5	ng/wet g									
Perylene	NA	ND	1	5	ng/wet g									
Phenanthrene	NA	ND	1	5	ng/wet g									
Pyrene	NA	ND	1	5	ng/wet g									

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Lab Blank 61725-B2 **DI Water**

(d10-Acenaphthene)	NA	74			% Recovery	100		74	40 - 115%	PASS				
(d10-Phenanthrene)	NA	101			% Recovery	100		101	60 - 115%	PASS				
(d12-Chrysene)	NA	104			% Recovery	100		104	60 - 130%	PASS				
(d12-Perylene)	NA	103			% Recovery	100		103	55 - 135%	PASS				
(d8-Naphthalene)	NA	80			% Recovery	100		80	25 - 105%	PASS				
1-Methylnaphthalene	NA	ND	1	5	ng/wet g									
1-Methylphenanthrene	NA	ND	1	5	ng/wet g									
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g									
2,6-Dimethylnaphthalene	NA	ND	1	5	ng/wet g									
2-Methylnaphthalene	NA	ND	1	5	ng/wet g									
Acenaphthene	NA	ND	1	5	ng/wet g									
Acenaphthylene	NA	ND	1	5	ng/wet g									
Anthracene	NA	ND	1	5	ng/wet g									
Benz[a]anthracene	NA	ND	1	5	ng/wet g									
Benzo[a]pyrene	NA	ND	1	5	ng/wet g									
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g									
Benzo[e]pyrene	NA	ND	1	5	ng/wet g									
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g									
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g									
Biphenyl	NA	ND	1	5	ng/wet g									
Chrysene	NA	ND	1	5	ng/wet g									
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g									

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Dibenzothiophene	NA	ND	1	5	ng/wet g									
Fluoranthene	NA	ND	1	5	ng/wet g									
Fluorene	NA	ND	1	5	ng/wet g									
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g									
Naphthalene	NA	ND	1	5	ng/wet g									
Perylene	NA	ND	1	5	ng/wet g									
Phenanthrene	NA	ND	1	5	ng/wet g									
Pyrene	NA	ND	1	5	ng/wet g									
Batch ID: 2724c-34021		**QAQC Procedural Blank**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Lab Blank 61725-B3							**DI Water**							
(d10-Acenaphthene)	NA	11			% Recovery	100		11	40 - 115%	FAIL				
(d10-Phenanthrene)	NA	11			% Recovery	100		11	60 - 115%	FAIL				
(d12-Chrysene)	NA	12			% Recovery	100		12	60 - 130%	FAIL				
(d12-Perylene)	NA	9			% Recovery	100		9	55 - 135%	FAIL				
(d8-Naphthalene)	NA	12			% Recovery	100		12	25 - 105%	FAIL				
1-Methylnaphthalene	NA	ND	1	5	ng/wet g				40 - 120%					
1-Methylphenanthrene	NA	ND	1	5	ng/wet g				40 - 160%					
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g				45 - 120%					
2,6-Dimethylnaphthalene	NA	ND	1	5	ng/wet g				40 - 130%					
2-Methylnaphthalene	NA	ND	1	5	ng/wet g				35 - 125%					
Acenaphthene	NA	ND	1	5	ng/wet g				40 - 125%					
Acenaphthylene	NA	ND	1	5	ng/wet g				40 - 130%					
Anthracene	NA	ND	1	5	ng/wet g				45 - 150%					
Benz[a]anthracene	NA	ND	1	5	ng/wet g				50- 175%					
Benzo[a]pyrene	NA	ND	1	5	ng/wet g				50 - 160%					
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g				45 - 160%					
Benzo[e]pyrene	NA	ND	1	5	ng/wet g				40 - 160%					
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g				30 - 170%					

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g				50 - 150%					
Biphenyl	NA	ND	1	5	ng/wet g				45 - 120%					
Chrysene	NA	ND	1	5	ng/wet g				40 - 160%					
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g				40 - 165%					
Dibenzothiophene	NA	ND	1	5	ng/wet g				65 - 125%					
Fluoranthene	NA	ND	1	5	ng/wet g				45 - 165%					
Fluorene	NA	ND	1	5	ng/wet g				55 - 150%					
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g				40 - 170%					
Naphthalene	NA	ND	1	5	ng/wet g				30 - 120%					
Perylene	NA	ND	1	5	ng/wet g				30 - 175%					
Phenanthrene	NA	ND	1	5	ng/wet g				35 - 160%					
Pyrene	NA	ND	1	5	ng/wet g				50 - 150%					

Batch ID: 2724c-34013 **QAQC Procedural Blank** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Blank Spike 61725-BS1 **DI Water**

(d10-Acenaphthene)	NA	82			% Recovery	100	0	82	40 - 115%	PASS				
(d10-Phenanthrene)	NA	88			% Recovery	100	0	88	60 - 115%	PASS				
(d12-Chrysene)	NA	85			% Recovery	100	0	85	60 - 130%	PASS				
(d12-Perylene)	NA	75			% Recovery	100	0	75	55 - 135%	PASS				
(d8-Naphthalene)	NA	73			% Recovery	100	0	73	25 - 105%	PASS				
1-Methylnaphthalene	NA	482	1	5	ng/wet g	551.2	0	87	40 - 120%	PASS				
1-Methylphenanthrene	NA	557.4	1	5	ng/wet g	551.2	0	101	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	510.1	1	5	ng/wet g	551.2	0	93	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	497.6	1	5	ng/wet g	551.2	0	90	40 - 130%	PASS				
2-Methylnaphthalene	NA	514.3	1	5	ng/wet g	551.2	0	93	35 - 125%	PASS				
Acenaphthene	NA	490.8	1	5	ng/wet g	551.2	0	89	40 - 125%	PASS				
Acenaphthylene	NA	430.2	1	5	ng/wet g	551.2	0	78	40 - 130%	PASS				
Anthracene	NA	472.1	1	5	ng/wet g	551.2	0	86	45 - 150%	PASS				
Benz[a]anthracene	NA	632.1	1	5	ng/wet g	551.2	0	115	50- 175%	PASS				

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[a]pyrene	NA	590.5	1	5	ng/wet g	551.2	0	107	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	708.6	1	5	ng/wet g	551.2	0	129	45 - 160%	PASS				
Benzo[e]pyrene	NA	608.1	1	5	ng/wet g	551.2	0	110	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	602.2	1	5	ng/wet g	551.2	0	109	30 - 170%	PASS				
Benzo[k]fluoranthene	NA	594.1	1	5	ng/wet g	551.2	0	108	50 - 150%	PASS				
Biphenyl	NA	500.2	1	5	ng/wet g	551.2	0	91	45 - 120%	PASS				
Chrysene	NA	596.7	1	5	ng/wet g	551.2	0	108	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	789	1	5	ng/wet g	551.2	0	143	40 - 165%	PASS				
Dibenzothiophene	NA	519.9	1	5	ng/wet g	551.2	0	94	65 - 125%	PASS				
Fluoranthene	NA	554.8	1	5	ng/wet g	551.2	0	101	45 - 165%	PASS				
Fluorene	NA	532.2	1	5	ng/wet g	551.2	0	97	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	782.4	1	5	ng/wet g	551.2	0	142	40 - 170%	PASS				
Naphthalene	NA	464.7	1	5	ng/wet g	551.2	0	84	30 - 120%	PASS				
Perylene	NA	537.6	1	5	ng/wet g	551.2	0	98	30 - 175%	PASS				
Phenanthrene	NA	546.1	1	5	ng/wet g	551.2	0	99	35 - 160%	PASS				
Pyrene	NA	542	1	5	ng/wet g	551.2	0	98	50 - 150%	PASS				

Batch ID: 2724c-34013 **QAQC Procedural Blank** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Blank Spike Dup 61725-BS2 **DI Water**

(d10-Acenaphthene)	NA	79			% Recovery	100	0	79	40 - 115%	PASS	4	30	PASS	
(d10-Phenanthrene)	NA	81			% Recovery	100	0	81	60 - 115%	PASS	8	30	PASS	
(d12-Chrysene)	NA	79			% Recovery	100	0	79	60 - 130%	PASS	7	30	PASS	
(d12-Perylene)	NA	74			% Recovery	100	0	74	55 - 135%	PASS	1	30	PASS	
(d8-Naphthalene)	NA	73			% Recovery	100	0	73	25 - 105%	PASS	0	30	PASS	
1-Methylnaphthalene	NA	580	1	5	ng/wet g	551.2	0	105	40 - 120%	PASS	19	30	PASS	
1-Methylphenanthrene	NA	585.8	1	5	ng/wet g	551.2	0	106	40 - 160%	PASS	5	30	PASS	
2,3,5-Trimethylnaphthalene	NA	592.4	1	5	ng/wet g	551.2	0	107	45 - 120%	PASS	14	30	PASS	
2,6-Dimethylnaphthalene	NA	601.5	1	5	ng/wet g	551.2	0	109	40 - 130%	PASS	19	30	PASS	
2-Methylnaphthalene	NA	620	1	5	ng/wet g	551.2	0	112	35 - 125%	PASS	19	30	PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Acenaphthene	NA	600.7	1	5	ng/wet g	551.2	0	109	40 - 125%	PASS	20	30	PASS	
Acenaphthylene	NA	544.4	1	5	ng/wet g	551.2	0	99	40 - 130%	PASS	24	30	PASS	
Anthracene	NA	554.6	1	5	ng/wet g	551.2	0	101	45 - 150%	PASS	16	30	PASS	
Benz[a]anthracene	NA	626	1	5	ng/wet g	551.2	0	114	50- 175%	PASS	1	30	PASS	
Benzo[a]pyrene	NA	584.7	1	5	ng/wet g	551.2	0	106	50 - 160%	PASS	1	30	PASS	
Benzo[b]fluoranthene	NA	573.9	1	5	ng/wet g	551.2	0	104	45 - 160%	PASS	21	30	PASS	
Benzo[e]pyrene	NA	589.9	1	5	ng/wet g	551.2	0	107	40 - 160%	PASS	3	30	PASS	
Benzo[g,h,i]perylene	NA	613.9	1	5	ng/wet g	551.2	0	111	30 - 170%	PASS	2	30	PASS	
Benzo[k]fluoranthene	NA	572.4	1	5	ng/wet g	551.2	0	104	50 - 150%	PASS	4	30	PASS	
Biphenyl	NA	585.5	1	5	ng/wet g	551.2	0	106	45 - 120%	PASS	15	30	PASS	
Chrysene	NA	578.6	1	5	ng/wet g	551.2	0	105	40 - 160%	PASS	3	30	PASS	
Dibenz[a,h]anthracene	NA	597.4	1	5	ng/wet g	551.2	0	108	40 - 165%	PASS	28	30	PASS	
Dibenzothiophene	NA	599.3	1	5	ng/wet g	551.2	0	109	65 - 125%	PASS	15	30	PASS	
Fluoranthene	NA	572.4	1	5	ng/wet g	551.2	0	104	45 - 165%	PASS	3	30	PASS	
Fluorene	NA	610.7	1	5	ng/wet g	551.2	0	111	55 - 150%	PASS	13	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	627.8	1	5	ng/wet g	551.2	0	114	40 - 170%	PASS	22	30	PASS	
Naphthalene	NA	564.6	1	5	ng/wet g	551.2	0	102	30 - 120%	PASS	19	30	PASS	
Perylene	NA	563.3	1	5	ng/wet g	551.2	0	102	30 - 175%	PASS	4	30	PASS	
Phenanthrene	NA	590.3	1	5	ng/wet g	551.2	0	107	35 - 160%	PASS	8	30	PASS	
Pyrene	NA	576.4	1	5	ng/wet g	551.2	0	105	50 - 150%	PASS	7	30	PASS	

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Blank Spike 61725-BS3 **DI Water**

(d10-Acenaphthene)	NA	69			% Recovery	100	0	69	40 - 115%	PASS
(d10-Phenanthrene)	NA	81			% Recovery	100	0	81	60 - 115%	PASS
(d12-Chrysene)	NA	107			% Recovery	100	0	107	60 - 130%	PASS
(d12-Perylene)	NA	103			% Recovery	100	0	103	55 - 135%	PASS
(d8-Naphthalene)	NA	64			% Recovery	100	0	64	25 - 105%	PASS
1-Methylnaphthalene	NA	302.3	1	5	ng/wet g	435.2	0	69	40 - 120%	PASS

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
1-Methylphenanthrene	NA	429.9	1	5	ng/wet g	435.2	0	99	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	340.4	1	5	ng/wet g	435.2	0	78	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	357.7	1	5	ng/wet g	435.2	0	82	40 - 130%	PASS				
2-Methylnaphthalene	NA	339.6	1	5	ng/wet g	435.2	0	78	35 - 125%	PASS				
Acenaphthene	NA	300.8	1	5	ng/wet g	435.2	0	69	40 - 125%	PASS				
Acenaphthylene	NA	298.3	1	5	ng/wet g	435.2	0	69	40 - 130%	PASS				
Anthracene	NA	336.5	1	5	ng/wet g	435.2	0	77	45 - 150%	PASS				
Benz[a]anthracene	NA	547.1	1	5	ng/wet g	435.2	0	126	50- 175%	PASS				
Benzo[a]pyrene	NA	480.1	1	5	ng/wet g	435.2	0	110	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	572.1	1	5	ng/wet g	435.2	0	131	45 - 160%	PASS				
Benzo[e]pyrene	NA	559.4	1	5	ng/wet g	435.2	0	129	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	528	1	5	ng/wet g	435.2	0	121	30 - 170%	PASS				
Benzo[k]fluoranthene	NA	523.3	1	5	ng/wet g	435.2	0	120	50 - 150%	PASS				
Biphenyl	NA	327.3	1	5	ng/wet g	435.2	0	75	45 - 120%	PASS				
Chrysene	NA	496	1	5	ng/wet g	435.2	0	114	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	556.5	1	5	ng/wet g	435.2	0	128	40 - 165%	PASS				
Dibenzothiophene	NA	392.1	1	5	ng/wet g	435.2	0	90	65 - 125%	PASS				
Fluoranthene	NA	484.4	1	5	ng/wet g	435.2	0	111	45 - 165%	PASS				
Fluorene	NA	350.3	1	5	ng/wet g	435.2	0	80	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	495.3	1	5	ng/wet g	435.2	0	114	40 - 170%	PASS				
Naphthalene	NA	290.6	1	5	ng/wet g	435.2	0	67	30 - 120%	PASS				
Perylene	NA	468.7	1	5	ng/wet g	435.2	0	108	30 - 175%	PASS				
Phenanthrene	NA	394.5	1	5	ng/wet g	435.2	0	91	35 - 160%	PASS				
Pyrene	NA	533.5	1	5	ng/wet g	435.2	0	123	50 - 150%	PASS				

Batch ID: 2724c-34019 **QAQC Procedural Blank** **Prepared 1/8/2008** **Analyzed 11-Jan-08**

Blank Spike Dup 61725-BS4 **DI Water**

(d10-Acenaphthene)	NA	71	% Recovery	100	0	71	40 - 115%	PASS	3	PASS	
(d10-Phenanthrene)	NA	76	% Recovery	100	0	76	60 - 115%	PASS	6	PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(d12-Chrysene)	NA	101			% Recovery	100	0	101	60 - 130%	PASS	6		PASS	
(d12-Perylene)	NA	100			% Recovery	100	0	100	55 - 135%	PASS	3		PASS	
(d8-Naphthalene)	NA	68			% Recovery	100	0	68	25 - 105%	PASS	6		PASS	
1-Methylnaphthalene	NA	384.2	1	5	ng/wet g	435.2	0	88	40 - 120%	PASS	24		PASS	
1-Methylphenanthrene	NA	471.6	1	5	ng/wet g	435.2	0	108	40 - 160%	PASS	9		PASS	
2,3,5-Trimethylnaphthalene	NA	411.9	1	5	ng/wet g	435.2	0	95	45 - 120%	PASS	20		PASS	
2,6-Dimethylnaphthalene	NA	443	1	5	ng/wet g	435.2	0	102	40 - 130%	PASS	22		PASS	
2-Methylnaphthalene	NA	437.2	1	5	ng/wet g	435.2	0	100	35 - 125%	PASS	25		PASS	
Acenaphthene	NA	370.2	1	5	ng/wet g	435.2	0	85	40 - 125%	PASS	21		PASS	
Acenaphthylene	NA	403.3	1	5	ng/wet g	435.2	0	93	40 - 130%	PASS	30		PASS	
Anthracene	NA	412.6	1	5	ng/wet g	435.2	0	95	45 - 150%	PASS	21		PASS	
Benz[a]anthracene	NA	616	1	5	ng/wet g	435.2	0	142	50- 175%	PASS	12		PASS	
Benzo[a]pyrene	NA	498.8	1	5	ng/wet g	435.2	0	115	50 - 160%	PASS	4		PASS	
Benzo[b]fluoranthene	NA	570.9	1	5	ng/wet g	435.2	0	131	45 - 160%	PASS	0		PASS	
Benzo[e]pyrene	NA	631.1	1	5	ng/wet g	435.2	0	145	40 - 160%	PASS	12		PASS	
Benzo[g,h,i]perylene	NA	611.8	1	5	ng/wet g	435.2	0	141	30 - 170%	PASS	15		PASS	
Benzo[k]fluoranthene	NA	568.6	1	5	ng/wet g	435.2	0	131	50 - 150%	PASS	9		PASS	
Biphenyl	NA	398.5	1	5	ng/wet g	435.2	0	92	45 - 120%	PASS	20		PASS	
Chrysene	NA	578.5	1	5	ng/wet g	435.2	0	133	40 - 160%	PASS	15		PASS	
Dibenz[a,h]anthracene	NA	633.3	1	5	ng/wet g	435.2	0	146	40 - 165%	PASS	13		PASS	
Dibenzothiophene	NA	428.1	1	5	ng/wet g	435.2	0	98	65 - 125%	PASS	9		PASS	
Fluoranthene	NA	516.1	1	5	ng/wet g	435.2	0	119	45 - 165%	PASS	7		PASS	
Fluorene	NA	426.7	1	5	ng/wet g	435.2	0	98	55 - 150%	PASS	20		PASS	
Indeno[1,2,3-c,d]pyrene	NA	568.5	1	5	ng/wet g	435.2	0	131	40 - 170%	PASS	14		PASS	
Naphthalene	NA	353.1	1	5	ng/wet g	435.2	0	81	30 - 120%	PASS	19		PASS	
Perylene	NA	531.2	1	5	ng/wet g	435.2	0	122	30 - 175%	PASS	12		PASS	
Phenanthrene	NA	426	1	5	ng/wet g	435.2	0	98	35 - 160%	PASS	7		PASS	
Pyrene	NA	571.1	1	5	ng/wet g	435.2	0	131	50 - 150%	PASS	6		PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34021		**QAQC Procedural Blank**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Blank Spike 61725-BS5			**DI Water**											
(d10-Acenaphthene)	NA	60			% Recovery	100	0	60	40 - 115%	PASS				
(d10-Phenanthrene)	NA	76			% Recovery	100	0	76	60 - 115%	PASS				
(d12-Chrysene)	NA	84			% Recovery	100	0	84	60 - 130%	PASS				
(d12-Perylene)	NA	65			% Recovery	100	0	65	55 - 135%	PASS				
(d8-Naphthalene)	NA	51			% Recovery	100	0	51	25 - 105%	PASS				
1-Methylnaphthalene	NA	391.7	1	5	ng/wet g	1157.6	0	34	40 - 120%	FAIL				
1-Methylphenanthrene	NA	553.8	1	5	ng/wet g	1157.6	0	48	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	436.8	1	5	ng/wet g	1157.6	0	38	45 - 120%	FAIL				
2,6-Dimethylnaphthalene	NA	418.9	1	5	ng/wet g	1157.6	0	36	40 - 130%	FAIL				
2-Methylnaphthalene	NA	416.3	1	5	ng/wet g	1157.6	0	36	35 - 125%	PASS				
Acenaphthene	NA	392.4	1	5	ng/wet g	1157.6	0	34	40 - 125%	FAIL				
Acenaphthylene	NA	383.3	1	5	ng/wet g	1157.6	0	33	40 - 130%	FAIL				
Anthracene	NA	435.7	1	5	ng/wet g	1157.6	0	38	45 - 150%	FAIL				
Benz[a]anthracene	NA	587	1	5	ng/wet g	1157.6	0	51	50- 175%	PASS				
Benzo[a]pyrene	NA	456.8	1	5	ng/wet g	1157.6	0	39	50 - 160%	FAIL				
Benzo[b]fluoranthene	NA	565.8	1	5	ng/wet g	1157.6	0	49	45 - 160%	PASS				
Benzo[e]pyrene	NA	546.1	1	5	ng/wet g	1157.6	0	47	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	444.7	1	5	ng/wet g	1157.6	0	38	30 - 170%	PASS				
Benzo[k]fluoranthene	NA	530.9	1	5	ng/wet g	1157.6	0	46	50 - 150%	FAIL				
Biphenyl	NA	413.8	1	5	ng/wet g	1157.6	0	36	45 - 120%	FAIL				
Chrysene	NA	509.5	1	5	ng/wet g	1157.6	0	44	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	523.1	1	5	ng/wet g	1157.6	0	45	40 - 165%	PASS				
Dibenzothiophene	NA	501.7	1	5	ng/wet g	1157.6	0	43	65 - 125%	FAIL				
Fluoranthene	NA	581.8	1	5	ng/wet g	1157.6	0	50	45 - 165%	PASS				
Fluorene	NA	436.8	1	5	ng/wet g	1157.6	0	38	55 - 150%	FAIL				
Indeno[1,2,3-c,d]pyrene	NA	484.9	1	5	ng/wet g	1157.6	0	42	40 - 170%	PASS				

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Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Naphthalene	NA	383.3	1	5	ng/wet g	1157.6	0	33	30 - 120%	PASS				
Perylene	NA	455.2	1	5	ng/wet g	1157.6	0	39	30 - 175%	PASS				
Phenanthrene	NA	503.7	1	5	ng/wet g	1157.6	0	44	35 - 160%	PASS				
Pyrene	NA	560.3	1	5	ng/wet g	1157.6	0	48	50 - 150%	FAIL				
Batch ID: 2724c-34021		**QAQC Procedural Blank**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Blank Spike Dup 61725-BS6			**DI Water**											
(d10-Acenaphthene)	NA	58			% Recovery	100	0	58	40 - 115%	PASS	3		PASS	
(d10-Phenanthrene)	NA	73			% Recovery	100	0	73	60 - 115%	PASS	4		PASS	
(d12-Chrysene)	NA	79			% Recovery	100	0	79	60 - 130%	PASS	6		PASS	
(d12-Perylene)	NA	63			% Recovery	100	0	63	55 - 135%	PASS	3		PASS	
(d8-Naphthalene)	NA	50			% Recovery	100	0	50	25 - 105%	PASS	2		PASS	
1-Methylnaphthalene	NA	438.4	1	5	ng/wet g	1157.6	0	38	40 - 120%	FAIL	11		PASS	
1-Methylphenanthrene	NA	599.1	1	5	ng/wet g	1157.6	0	52	40 - 160%	PASS	8		PASS	
2,3,5-Trimethylnaphthalene	NA	516.9	1	5	ng/wet g	1157.6	0	45	45 - 120%	PASS	17		PASS	
2,6-Dimethylnaphthalene	NA	486.9	1	5	ng/wet g	1157.6	0	42	40 - 130%	PASS	15		PASS	
2-Methylnaphthalene	NA	475.5	1	5	ng/wet g	1157.6	0	41	35 - 125%	PASS	13		PASS	
Acenaphthene	NA	456.8	1	5	ng/wet g	1157.6	0	39	40 - 125%	FAIL	14		PASS	
Acenaphthylene	NA	447.1	1	5	ng/wet g	1157.6	0	39	40 - 130%	FAIL	17		PASS	
Anthracene	NA	535.8	1	5	ng/wet g	1157.6	0	46	45 - 150%	PASS	19		PASS	
Benz[a]anthracene	NA	584.9	1	5	ng/wet g	1157.6	0	51	50- 175%	PASS	0		PASS	
Benzo[a]pyrene	NA	525.8	1	5	ng/wet g	1157.6	0	45	50 - 160%	FAIL	14		PASS	
Benzo[b]fluoranthene	NA	552.9	1	5	ng/wet g	1157.6	0	48	45 - 160%	PASS	2		PASS	
Benzo[e]pyrene	NA	534.7	1	5	ng/wet g	1157.6	0	46	40 - 160%	PASS	2		PASS	
Benzo[g,h,i]perylene	NA	537.4	1	5	ng/wet g	1157.6	0	46	30 - 170%	PASS	19		PASS	
Benzo[k]fluoranthene	NA	525.3	1	5	ng/wet g	1157.6	0	45	50 - 150%	FAIL	2		PASS	
Biphenyl	NA	487.5	1	5	ng/wet g	1157.6	0	42	45 - 120%	FAIL	15		PASS	
Chrysene	NA	543.3	1	5	ng/wet g	1157.6	0	47	40 - 160%	PASS	7		PASS	
Dibenz[a,h]anthracene	NA	552.3	1	5	ng/wet g	1157.6	0	48	40 - 165%	PASS	6		PASS	

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QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Dibenzothiophene	NA	550.7	1	5	ng/wet g	1157.6	0	48	65 - 125%	FAIL	11		PASS	
Fluoranthene	NA	565.8	1	5	ng/wet g	1157.6	0	49	45 - 165%	PASS	2		PASS	
Fluorene	NA	539.3	1	5	ng/wet g	1157.6	0	47	55 - 150%	FAIL	21		PASS	
Indeno[1,2,3-c,d]pyrene	NA	520.3	1	5	ng/wet g	1157.6	0	45	40 - 170%	PASS	7		PASS	
Naphthalene	NA	422.5	1	5	ng/wet g	1157.6	0	36	30 - 120%	PASS	9		PASS	
Perylene	NA	519.2	1	5	ng/wet g	1157.6	0	45	30 - 175%	PASS	14		PASS	
Phenanthrene	NA	561	1	5	ng/wet g	1157.6	0	48	35 - 160%	PASS	9		PASS	
Pyrene	NA	564.5	1	5	ng/wet g	1157.6	0	49	50 - 150%	FAIL	2		PASS	

Batch ID: 2724c-34013 **LC - E Worms** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Matrix Spike 61735-MS1 **Tissue**

(d10-Acenaphthene)	NA	83			% Recovery	100	0	83	40 - 115%	PASS				
(d10-Phenanthrene)	NA	88			% Recovery	100	0	88	60 - 115%	PASS				
(d12-Chrysene)	NA	91			% Recovery	100	0	91	60 - 130%	PASS				
(d12-Perylene)	NA	81			% Recovery	100	0	81	55 - 135%	PASS				
(d8-Naphthalene)	NA	68			% Recovery	100	0	68	25 - 105%	PASS				
1-Methylnaphthalene	NA	655.5	1	5	ng/wet g	534.8	97.9	104	40 - 120%	PASS				
1-Methylphenanthrene	NA	573.3	1	5	ng/wet g	534.8	18.5	104	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	519.6	1	5	ng/wet g	534.8	22.7	93	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	540.5	1	5	ng/wet g	534.8	26.2	96	40 - 130%	PASS				
2-Methylnaphthalene	NA	639.8	1	5	ng/wet g	534.8	96.9	102	35 - 125%	PASS				
Acenaphthene	NA	1073.5	1	5	ng/wet g	534.8	464.9	114	40 - 125%	PASS				
Acenaphthylene	NA	472.5	1	5	ng/wet g	534.8	9.6	87	40 - 130%	PASS				
Anthracene	NA	558.2	1	5	ng/wet g	534.8	131.9	80	45 - 150%	PASS				
Benz[a]anthracene	NA	729.3	1	5	ng/wet g	534.8	18.6	133	50- 175%	PASS				
Benzo[a]pyrene	NA	558.5	1	5	ng/wet g	534.8	0	104	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	623.2	1	5	ng/wet g	534.8	0	117	45 - 160%	PASS				
Benzo[e]pyrene	NA	556.6	1	5	ng/wet g	534.8	0	104	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	493.1	1	5	ng/wet g	534.8	0	92	30 - 170%	PASS				

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[k]fluoranthene	NA	542.7	1	5	ng/wet g	534.8	0	101	50 - 150%	PASS				
Biphenyl	NA	519.2	1	5	ng/wet g	534.8	23.9	93	45 - 120%	PASS				
Chrysene	NA	597.9	1	5	ng/wet g	534.8	20.1	108	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	589.2	1	5	ng/wet g	534.8	0	110	40 - 165%	PASS				
Dibenzothiophene	NA	579.5	1	5	ng/wet g	534.8	20.3	105	65 - 125%	PASS				
Fluoranthene	NA	820.8	1	5	ng/wet g	534.8	155.8	124	45 - 165%	PASS				
Fluorene	NA	778.8	1	5	ng/wet g	534.8	132.6	121	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	570	1	5	ng/wet g	534.8	0	107	40 - 170%	PASS				
Naphthalene	NA	886.6	1	5	ng/wet g	534.8	304.4	109	30 - 120%	PASS				
Perylene	NA	554.9	1	5	ng/wet g	534.8	0	104	30 - 175%	PASS				
Phenanthrene	NA	880	1	5	ng/wet g	534.8	193.9	128	35 - 160%	PASS				
Pyrene	NA	694	1	5	ng/wet g	534.8	80.3	115	50 - 150%	PASS				
Batch ID: 2724c-34013		**LC - E Worms**						**Prepared 1/4/2008**			**Analyzed 09-Jan-08**			
Matrix Spike Dup 61735-MS2		**Tissue**												
(d10-Acenaphthene)	NA	77			% Recovery	100	0	77	40 - 115%	PASS	0	30	PASS	
(d10-Phenanthrene)	NA	87			% Recovery	100	0	87	60 - 115%	PASS	0	30	PASS	
(d12-Chrysene)	NA	91			% Recovery	100	0	91	60 - 130%	PASS	0	30	PASS	
(d12-Perylene)	NA	82			% Recovery	100	0	82	55 - 135%	PASS	0	30	PASS	
(d8-Naphthalene)	NA	62			% Recovery	100	0	62	25 - 105%	PASS	0	30	PASS	
1-Methylnaphthalene	NA	1088.8	1	5	ng/wet g	1191.2	97.9	83	40 - 120%	PASS	22	30	PASS	
1-Methylphenanthrene	NA	1269.7	1	5	ng/wet g	1191.2	18.5	105	40 - 160%	PASS	1	30	PASS	
2,3,5-Trimethylnaphthalene	NA	1058.5	1	5	ng/wet g	1191.2	22.7	87	45 - 120%	PASS	7	30	PASS	
2,6-Dimethylnaphthalene	NA	1037.4	1	5	ng/wet g	1191.2	26.2	85	40 - 130%	PASS	12	30	PASS	
2-Methylnaphthalene	NA	1081.6	1	5	ng/wet g	1191.2	96.9	83	35 - 125%	PASS	21	30	PASS	
Acenaphthene	NA	1848.3	1	5	ng/wet g	1191.2	464.9	116	40 - 125%	PASS	2	30	PASS	
Acenaphthylene	NA	984.7	1	5	ng/wet g	1191.2	9.6	82	40 - 130%	PASS	6	30	PASS	
Anthracene	NA	1199.8	1	5	ng/wet g	1191.2	131.9	90	45 - 150%	PASS	12	30	PASS	
Benz[a]anthracene	NA	1481.6	1	5	ng/wet g	1191.2	18.6	123	50- 175%	PASS	8	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[a]pyrene	NA	1450.6	1	5	ng/wet g	1191.2	0	122	50 - 160%	PASS	16	30	PASS	
Benzo[b]fluoranthene	NA	1551.5	1	5	ng/wet g	1191.2	0	130	45 - 160%	PASS	11	30	PASS	
Benzo[e]pyrene	NA	1293.8	1	5	ng/wet g	1191.2	0	109	40 - 160%	PASS	5	30	PASS	
Benzo[g,h,i]perylene	NA	1135.7	1	5	ng/wet g	1191.2	0	95	30 - 170%	PASS	3	30	PASS	
Benzo[k]fluoranthene	NA	1354.5	1	5	ng/wet g	1191.2	0	114	50 - 150%	PASS	12	30	PASS	
Biphenyl	NA	1001.4	1	5	ng/wet g	1191.2	23.9	82	45 - 120%	PASS	13	30	PASS	
Chrysene	NA	1383.4	1	5	ng/wet g	1191.2	20.1	114	40 - 160%	PASS	5	30	PASS	
Dibenz[a,h]anthracene	NA	1532.6	1	5	ng/wet g	1191.2	0	129	40 - 165%	PASS	16	30	PASS	
Dibenzothiophene	NA	1200.6	1	5	ng/wet g	1191.2	20.3	99	65 - 125%	PASS	6	30	PASS	
Fluoranthene	NA	1525	1	5	ng/wet g	1191.2	155.8	115	45 - 165%	PASS	8	30	PASS	
Fluorene	NA	1334	1	5	ng/wet g	1191.2	132.6	101	55 - 150%	PASS	18	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	1551.4	1	5	ng/wet g	1191.2	0	130	40 - 170%	PASS	19	30	PASS	
Naphthalene	NA	1308.2	1	5	ng/wet g	1191.2	304.4	84	30 - 120%	PASS	26	30	PASS	
Perylene	NA	1239.3	1	5	ng/wet g	1191.2	0	104	30 - 175%	PASS	0	30	PASS	
Phenanthrene	NA	1482.6	1	5	ng/wet g	1191.2	193.9	108	35 - 160%	PASS	17	30	PASS	
Pyrene	NA	1410.2	1	5	ng/wet g	1191.2	80.3	112	50 - 150%	PASS	3	30	PASS	

Batch ID: 2724c-34013 **LC - E Worms Tissue** **Prepared 1/4/2008** **Analyzed 09-Jan-08**
Lab Dup 61735-R2

(d10-Acenaphthene)	NA	85			% Recovery	100		85	40 - 115%	PASS	2	30	PASS	
(d10-Phenanthrene)	NA	98			% Recovery	100		98	60 - 115%	PASS	2	30	PASS	
(d12-Chrysene)	NA	92			% Recovery	100		92	60 - 130%	PASS	8	30	PASS	
(d12-Perylene)	NA	80			% Recovery	100		80	55 - 135%	PASS	14	30	PASS	
(d8-Naphthalene)	NA	69			% Recovery	100		69	25 - 105%	PASS	4	30	PASS	
1-Methylnaphthalene	NA	98	1	5	ng/wet g						0	30	PASS	
1-Methylphenanthrene	NA	20.3	1	5	ng/wet g						19	30	PASS	
2,3,5-Trimethylnaphthalene	NA	9	1	5	ng/wet g						121	30	FAIL	Q3
2,6-Dimethylnaphthalene	NA	23.6	1	5	ng/wet g						20	30	PASS	
2-Methylnaphthalene	NA	73.7	1	5	ng/wet g						48	30	FAIL	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Acenaphthene	NA	484.1	1	5	ng/wet g						8	30	PASS	
Acenaphthylene	NA	9.8	1	5	ng/wet g						3	30	PASS	
Anthracene	NA	245.8	1	5	ng/wet g						173	30	FAIL	
Benz[a]anthracene	NA	6.9	1	5	ng/wet g						126	30	FAIL	Q3
Benzo[a]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[g,h,i]perylene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g						0	30	PASS	
Biphenyl	NA	17	1	5	ng/wet g						57	30	FAIL	
Chrysene	NA	14	1	5	ng/wet g						61	30	FAIL	
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g						0	30	PASS	
Dibenzothiophene	NA	21.5	1	5	ng/wet g						12	30	PASS	
Fluoranthene	NA	144.7	1	5	ng/wet g						14	30	PASS	
Fluorene	NA	134.7	1	5	ng/wet g						3	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	
Naphthalene	NA	304.7	1	5	ng/wet g						0	30	PASS	
Perylene	NA	ND	1	5	ng/wet g						0	30	PASS	
Phenanthrene	NA	181	1	5	ng/wet g						13	30	PASS	
Pyrene	NA	74.6	1	5	ng/wet g						14	30	PASS	

Batch ID: 2724c-34019 **Ref - E Clams** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Matrix Spike 61755-MS1 **Tissue**

(d10-Acenaphthene)	NA	63			% Recovery	100	0	63	40 - 115%	PASS				
(d10-Phenanthrene)	NA	78			% Recovery	100	0	78	60 - 115%	PASS				
(d12-Chrysene)	NA	97			% Recovery	100	0	97	60 - 130%	PASS				
(d12-Perylene)	NA	97			% Recovery	100	0	97	55 - 135%	PASS				
(d8-Naphthalene)	NA	52			% Recovery	100	0	52	25 - 105%	PASS				
1-Methylnaphthalene	NA	163.9	1	5	ng/wet g	256	1.2	64	40 - 120%	PASS				

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
1-Methylphenanthrene	NA	282.3	1	5	ng/wet g	256	0	110	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	194.3	1	5	ng/wet g	256	0	76	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	190.1	1	5	ng/wet g	256	3.6	73	40 - 130%	PASS				
2-Methylnaphthalene	NA	186.2	1	5	ng/wet g	256	3.6	71	35 - 125%	PASS				
Acenaphthene	NA	163.5	1	5	ng/wet g	256	0	64	40 - 125%	PASS				
Acenaphthylene	NA	166.7	1	5	ng/wet g	256	0	65	40 - 130%	PASS				
Anthracene	NA	227.9	1	5	ng/wet g	256	0	89	45 - 150%	PASS				
Benz[a]anthracene	NA	306.3	1	5	ng/wet g	256	0	120	50- 175%	PASS				
Benzo[a]pyrene	NA	261.9	1	5	ng/wet g	256	0	102	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	272	1	5	ng/wet g	256	0	106	45 - 160%	PASS				
Benzo[e]pyrene	NA	282.1	1	5	ng/wet g	256	0	110	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	260.9	1	5	ng/wet g	256	2.5	101	30 - 170%	PASS				
Benzo[k]fluoranthene	NA	279.9	1	5	ng/wet g	256	0	109	50 - 150%	PASS				
Biphenyl	NA	176.2	1	5	ng/wet g	256	9.6	65	45 - 120%	PASS				
Chrysene	NA	258.7	1	5	ng/wet g	256	0.6	101	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	291.7	1	5	ng/wet g	256	0	114	40 - 165%	PASS				
Dibenzothiophene	NA	203.2	1	5	ng/wet g	256	0	79	65 - 125%	PASS				
Fluoranthene	NA	325.9	1	5	ng/wet g	256	8.8	124	45 - 165%	PASS				
Fluorene	NA	200.5	1	5	ng/wet g	256	8.1	75	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	264.9	1	5	ng/wet g	256	0	103	40 - 170%	PASS				
Naphthalene	NA	140	1	5	ng/wet g	256	2.2	54	30 - 120%	PASS				
Perylene	NA	268.1	1	5	ng/wet g	256	0	105	30 - 175%	PASS				
Phenanthrene	NA	236.5	1	5	ng/wet g	256	4.8	91	35 - 160%	PASS				
Pyrene	NA	451.5	1	5	ng/wet g	256	0	176	50 - 150%	FAIL				

Batch ID: 2724c-34019 **Ref - E Clams Tissue** **Prepared 1/8/2008** **Analyzed 11-Jan-08**
Matrix Spike Dup 61755-MS2

(d10-Acenaphthene)	NA	63	% Recovery	100	0	63	40 - 115%	PASS	0	30	PASS	
(d10-Phenanthrene)	NA	78	% Recovery	100	0	78	60 - 115%	PASS	0	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
(d12-Chrysene)	NA	103			% Recovery	100	0	103	60 - 130%	PASS	0	30	PASS	
(d12-Perylene)	NA	97			% Recovery	100	0	97	55 - 135%	PASS	0	30	PASS	
(d8-Naphthalene)	NA	49			% Recovery	100	0	49	25 - 105%	PASS	0	30	PASS	
1-Methylnaphthalene	NA	164.3	1	5	ng/wet g	259.8	1.2	63	40 - 120%	PASS	2	30	PASS	
1-Methylphenanthrene	NA	292.3	1	5	ng/wet g	259.8	0	113	40 - 160%	PASS	3	30	PASS	
2,3,5-Trimethylnaphthalene	NA	197.6	1	5	ng/wet g	259.8	0	76	45 - 120%	PASS	0	30	PASS	
2,6-Dimethylnaphthalene	NA	193.2	1	5	ng/wet g	259.8	3.6	73	40 - 130%	PASS	0	30	PASS	
2-Methylnaphthalene	NA	181.1	1	5	ng/wet g	259.8	3.6	68	35 - 125%	PASS	4	30	PASS	
Acenaphthene	NA	169.6	1	5	ng/wet g	259.8	0	65	40 - 125%	PASS	2	30	PASS	
Acenaphthylene	NA	171	1	5	ng/wet g	259.8	0	66	40 - 130%	PASS	2	30	PASS	
Anthracene	NA	227.4	1	5	ng/wet g	259.8	0	88	45 - 150%	PASS	1	30	PASS	
Benz[a]anthracene	NA	314.8	1	5	ng/wet g	259.8	0	121	50- 175%	PASS	1	30	PASS	
Benzo[a]pyrene	NA	291.5	1	5	ng/wet g	259.8	0	112	50 - 160%	PASS	9	30	PASS	
Benzo[b]fluoranthene	NA	290.1	1	5	ng/wet g	259.8	0	112	45 - 160%	PASS	6	30	PASS	
Benzo[e]pyrene	NA	299.2	1	5	ng/wet g	259.8	0	115	40 - 160%	PASS	4	30	PASS	
Benzo[g,h,i]perylene	NA	262.5	1	5	ng/wet g	259.8	2.5	100	30 - 170%	PASS	1	30	PASS	
Benzo[k]fluoranthene	NA	269.8	1	5	ng/wet g	259.8	0	104	50 - 150%	PASS	5	30	PASS	
Biphenyl	NA	172.2	1	5	ng/wet g	259.8	9.6	63	45 - 120%	PASS	3	30	PASS	
Chrysene	NA	293.4	1	5	ng/wet g	259.8	0.6	113	40 - 160%	PASS	11	30	PASS	
Dibenz[a,h]anthracene	NA	298.5	1	5	ng/wet g	259.8	0	115	40 - 165%	PASS	1	30	PASS	
Dibenzothiophene	NA	221.6	1	5	ng/wet g	259.8	0	85	65 - 125%	PASS	7	30	PASS	
Fluoranthene	NA	309.9	1	5	ng/wet g	259.8	8.8	116	45 - 165%	PASS	7	30	PASS	
Fluorene	NA	198.1	1	5	ng/wet g	259.8	8.1	73	55 - 150%	PASS	3	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	289	1	5	ng/wet g	259.8	0	111	40 - 170%	PASS	7	30	PASS	
Naphthalene	NA	142.9	1	5	ng/wet g	259.8	2.2	54	30 - 120%	PASS	0	30	PASS	
Perylene	NA	261.5	1	5	ng/wet g	259.8	0	101	30 - 175%	PASS	4	30	PASS	
Phenanthrene	NA	244.7	1	5	ng/wet g	259.8	4.8	92	35 - 160%	PASS	2	30	PASS	
Pyrene	NA	333.5	1	5	ng/wet g	259.8	0	128	50 - 150%	PASS	32	30	FAIL	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-34019		**Ref - E Clams**						**Prepared 1/8/2008**			**Analyzed 11-Jan-08**			
Lab Dup 61755-R2		**Tissue**												
(d10-Acenaphthene)	NA	62			% Recovery	100		62	40 - 115%	PASS	19	30	PASS	
(d10-Phenanthrene)	NA	83			% Recovery	100		83	60 - 115%	PASS	5	30	PASS	
(d12-Chrysene)	NA	97			% Recovery	100		97	60 - 130%	PASS	12	30	PASS	
(d12-Perylene)	NA	101			% Recovery	100		101	55 - 135%	PASS	4	30	PASS	
(d8-Naphthalene)	NA	50			% Recovery	100		50	25 - 105%	PASS	23	30	PASS	
1-Methylnaphthalene	NA	2.5	1	5	ng/wet g						86	30	FAIL	J,Q3
1-Methylphenanthrene	NA	ND	1	5	ng/wet g						0	30	PASS	
2,3,5-Trimethylnaphthalene	NA	ND	1	5	ng/wet g						0	30	PASS	
2,6-Dimethylnaphthalene	NA	7.2	1	5	ng/wet g						151	30	FAIL	Q3
2-Methylnaphthalene	NA	2.9	1	5	ng/wet g						39	30	FAIL	J,Q3
Acenaphthene	NA	ND	1	5	ng/wet g						0	30	PASS	
Acenaphthylene	NA	ND	1	5	ng/wet g						0	30	PASS	
Anthracene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benz[a]anthracene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[a]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[b]fluoranthene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[e]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	
Benzo[g,h,i]perylene	NA	2.5	1	5	ng/wet g						0	30	PASS	J
Benzo[k]fluoranthene	NA	ND	1	5	ng/wet g						0	30	PASS	
Biphenyl	NA	8.4	1	5	ng/wet g						25	30	PASS	
Chrysene	NA	1.2	1	5	ng/wet g						18	30	PASS	J
Dibenz[a,h]anthracene	NA	ND	1	5	ng/wet g						0	30	PASS	
Dibenzothiophene	NA	ND	1	5	ng/wet g						0	30	PASS	
Fluoranthene	NA	8.6	1	5	ng/wet g						3	30	PASS	
Fluorene	NA	8.3	1	5	ng/wet g						6	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Naphthalene	NA	2.9	1	5	ng/wet g						70	30	FAIL	J,Q3
Perylene	NA	ND	1	5	ng/wet g						0	30	PASS	
Phenanthrene	NA	2.6	1	5	ng/wet g						93	30	FAIL	J,Q3
Pyrene	NA	ND	1	5	ng/wet g						0	30	PASS	

Batch ID: 2724c-34021 1C - E Clams Prepared 1/10/2008 Analyzed 15-Jan-08
61775-MS5 Tissue

(d10-Acenaphthene)	NA	61			% Recovery	100	0	61	40 - 115%	PASS				
(d10-Phenanthrene)	NA	74			% Recovery	100	0	74	60 - 115%	PASS				
(d12-Chrysene)	NA	71			% Recovery	100	0	71	60 - 130%	PASS				
(d12-Perylene)	NA	57			% Recovery	100	0	57	55 - 135%	PASS				
(d8-Naphthalene)	NA	49			% Recovery	100	0	49	25 - 105%	PASS				
1-Methylnaphthalene	NA	734.4	1	5	ng/wet g	1157.6	5.8	63	40 - 120%	PASS				
1-Methylphenanthrene	NA	1019	1	5	ng/wet g	1157.6	3.3	88	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	901.2	1	5	ng/wet g	1157.6	1.2	78	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	856	1	5	ng/wet g	1157.6	7.2	73	40 - 130%	PASS				
2-Methylnaphthalene	NA	786.6	1	5	ng/wet g	1157.6	12.9	67	35 - 125%	PASS				
Acenaphthene	NA	831.4	1	5	ng/wet g	1157.6	1.2	72	40 - 125%	PASS				
Acenaphthylene	NA	820.3	1	5	ng/wet g	1157.6	6.9	70	40 - 130%	PASS				
Anthracene	NA	1044	1	5	ng/wet g	1157.6	35.2	87	45 - 150%	PASS				
Benz[a]anthracene	NA	1057.5	1	5	ng/wet g	1157.6	25.5	89	50- 175%	PASS				
Benzo[a]pyrene	NA	1271.9	1	5	ng/wet g	1157.6	271.2	86	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	1675.6	1	5	ng/wet g	1157.6	363.5	113	45 - 160%	PASS				
Benzo[e]pyrene	NA	1223.6	1	5	ng/wet g	1157.6	242.2	85	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	785.7	1	5	ng/wet g	1157.6	36.4	65	30 - 170%	PASS				
Benzo[k]fluoranthene	NA	1273.9	1	5	ng/wet g	1157.6	180.6	94	50 - 150%	PASS				
Biphenyl	NA	846.6	1	5	ng/wet g	1157.6	6.4	73	45 - 120%	PASS				
Chrysene	NA	1026.5	1	5	ng/wet g	1157.6	63.7	83	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	912	1	5	ng/wet g	1157.6	10.7	78	40 - 165%	PASS				

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Dibenzothiophene	NA	975.6	1	5	ng/wet g	1157.6	3	84	65 - 125%	PASS				
Fluoranthene	NA	1128.1	1	5	ng/wet g	1157.6	29.4	95	45 - 165%	PASS				
Fluorene	NA	935.8	1	5	ng/wet g	1157.6	8.5	80	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	919.3	1	5	ng/wet g	1157.6	47.4	75	40 - 170%	PASS				
Naphthalene	NA	683.7	1	5	ng/wet g	1157.6	13.6	58	30 - 120%	PASS				
Perylene	NA	796.1	1	5	ng/wet g	1157.6	33.8	66	30 - 175%	PASS				
Phenanthrene	NA	1027.7	1	5	ng/wet g	1157.6	30.1	86	35 - 160%	PASS				
Pyrene	NA	2312.5	1	5	ng/wet g	1157.6	688.1	140	50 - 150%	PASS				
Batch ID:	**2724c-34021**	**1C - E Clams**						**Prepared**	**1/10/2008**		**Analyzed**	**15-Jan-08**		
	61775-MS6	**Tissue**												
(d10-Acenaphthene)	NA	56			% Recovery	100	0	56	40 - 115%	PASS				
(d10-Phenanthrene)	NA	68			% Recovery	100	0	68	60 - 115%	PASS				
(d12-Chrysene)	NA	66			% Recovery	100	0	66	60 - 130%	PASS				
(d12-Perylene)	NA	54			% Recovery	100	0	54	55 - 135%	FAIL				
(d8-Naphthalene)	NA	46			% Recovery	100	0	46	25 - 105%	PASS				
1-Methylnaphthalene	NA	682	1	5	ng/wet g	1157.6	5.8	58	40 - 120%	PASS				
1-Methylphenanthrene	NA	1009	1	5	ng/wet g	1157.6	3.3	87	40 - 160%	PASS				
2,3,5-Trimethylnaphthalene	NA	855.9	1	5	ng/wet g	1157.6	1.2	74	45 - 120%	PASS				
2,6-Dimethylnaphthalene	NA	817.1	1	5	ng/wet g	1157.6	7.2	70	40 - 130%	PASS				
2-Methylnaphthalene	NA	768.9	1	5	ng/wet g	1157.6	12.9	65	35 - 125%	PASS				
Acenaphthene	NA	771.8	1	5	ng/wet g	1157.6	1.2	67	40 - 125%	PASS				
Acenaphthylene	NA	776.6	1	5	ng/wet g	1157.6	6.9	66	40 - 130%	PASS				
Anthracene	NA	978	1	5	ng/wet g	1157.6	35.2	81	45 - 150%	PASS				
Benz[a]anthracene	NA	985.7	1	5	ng/wet g	1157.6	25.5	83	50- 175%	PASS				
Benzo[a]pyrene	NA	1250.4	1	5	ng/wet g	1157.6	271.2	85	50 - 160%	PASS				
Benzo[b]fluoranthene	NA	1621.5	1	5	ng/wet g	1157.6	363.5	109	45 - 160%	PASS				
Benzo[e]pyrene	NA	1127.1	1	5	ng/wet g	1157.6	242.2	76	40 - 160%	PASS				
Benzo[g,h,i]perylene	NA	737.1	1	5	ng/wet g	1157.6	36.4	61	30 - 170%	PASS				

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[k]fluoranthene	NA	1205.5	1	5	ng/wet g	1157.6	180.6	89	50 - 150%	PASS				
Biphenyl	NA	811.5	1	5	ng/wet g	1157.6	6.4	70	45 - 120%	PASS				
Chrysene	NA	895.5	1	5	ng/wet g	1157.6	63.7	72	40 - 160%	PASS				
Dibenz[a,h]anthracene	NA	852.9	1	5	ng/wet g	1157.6	10.7	73	40 - 165%	PASS				
Dibenzothiophene	NA	916.4	1	5	ng/wet g	1157.6	3	79	65 - 125%	PASS				
Fluoranthene	NA	1081.8	1	5	ng/wet g	1157.6	29.4	91	45 - 165%	PASS				
Fluorene	NA	896.6	1	5	ng/wet g	1157.6	8.5	77	55 - 150%	PASS				
Indeno[1,2,3-c,d]pyrene	NA	875	1	5	ng/wet g	1157.6	47.4	71	40 - 170%	PASS				
Naphthalene	NA	652.7	1	5	ng/wet g	1157.6	13.6	55	30 - 120%	PASS				
Perylene	NA	823.9	1	5	ng/wet g	1157.6	33.8	68	30 - 175%	PASS				
Phenanthrene	NA	952.4	1	5	ng/wet g	1157.6	30.1	80	35 - 160%	PASS				
Pyrene	NA	2143.7	1	5	ng/wet g	1157.6	688.1	126	50 - 150%	PASS				
Batch ID: 2724c-34021		**1C - E Clams**						**Prepared 1/10/2008**			**Analyzed 15-Jan-08**			
Lab Dup 61775-R2		**Tissue**												
(d10-Acenaphthene)	NA	64			% Recovery	100		64	40 - 115%	PASS	6	30	PASS	
(d10-Phenanthrene)	NA	80			% Recovery	100		80	60 - 115%	PASS	1	30	PASS	
(d12-Chrysene)	NA	75			% Recovery	100		75	60 - 130%	PASS	8	30	PASS	
(d12-Perylene)	NA	64			% Recovery	100		64	55 - 135%	PASS	10	30	PASS	
(d8-Naphthalene)	NA	52			% Recovery	100		52	25 - 105%	PASS	9	30	PASS	
1-Methylnaphthalene	NA	6.8	1	5	ng/wet g						34	30	FAIL	Q3
1-Methylphenanthrene	NA	4.5	1	5	ng/wet g						69	30	FAIL	J,Q3
2,3,5-Trimethylnaphthalene	NA	1.3	1	5	ng/wet g						17	30	PASS	J
2,6-Dimethylnaphthalene	NA	6.9	1	5	ng/wet g						7	30	PASS	
2-Methylnaphthalene	NA	14.4	1	5	ng/wet g						22	30	PASS	
Acenaphthene	NA	2.4	1	5	ng/wet g						82	30	FAIL	J,Q3
Acenaphthylene	NA	6.7	1	5	ng/wet g						7	30	PASS	
Anthracene	NA	36.7	1	5	ng/wet g						8	30	PASS	
Benz[a]anthracene	NA	29.2	1	5	ng/wet g						29	30	PASS	

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Polynuclear Aromatic Hydrocarbons

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Benzo[a]pyrene	NA	261.5	1	5	ng/wet g						7	30	PASS	
Benzo[b]fluoranthene	NA	332.3	1	5	ng/wet g						17	30	PASS	
Benzo[e]pyrene	NA	229.2	1	5	ng/wet g						11	30	PASS	
Benzo[g,h,i]perylene	NA	38.1	1	5	ng/wet g						9	30	PASS	
Benzo[k]fluoranthene	NA	182	1	5	ng/wet g						2	30	PASS	
Biphenyl	NA	7.2	1	5	ng/wet g						25	30	PASS	
Chrysene	NA	61.8	1	5	ng/wet g						6	30	PASS	
Dibenz[a,h]anthracene	NA	12.3	1	5	ng/wet g						30	30	PASS	
Dibenzothiophene	NA	3.3	1	5	ng/wet g						16	30	PASS	J
Fluoranthene	NA	31.5	1	5	ng/wet g						14	30	PASS	
Fluorene	NA	8.3	1	5	ng/wet g						5	30	PASS	
Indeno[1,2,3-c,d]pyrene	NA	43.1	1	5	ng/wet g						18	30	PASS	
Naphthalene	NA	15.1	1	5	ng/wet g						21	30	PASS	
Perylene	NA	32.7	1	5	ng/wet g						7	30	PASS	
Phenanthrene	NA	33.6	1	5	ng/wet g						23	30	PASS	
Pyrene	NA	688.6	1	5	ng/wet g						0	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-18008		**QAQC**	**Procedural Blank**					**Prepared 1/8/2008**			**Analyzed 13-Jan-08**			
Lab Blank 61725-B1			**DI Water**											
Aluminum (Al)	NA	ND	1	5	µg/wet g									
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g									
Arsenic (As)	NA	ND	0.025	0.05	µg/wet g									
Barium (Ba)	NA	ND	0.025	0.05	µg/wet g									
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g									
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g									
Chromium (Cr)	NA	ND	0.025	0.05	µg/wet g									
Cobalt (Co)	NA	ND	0.025	0.05	µg/wet g									
Copper (Cu)	NA	ND	0.025	0.05	µg/wet g									
Iron (Fe)	NA	ND	1	5	µg/wet g									
Lead (Pb)	NA	ND	0.025	0.05	µg/wet g									
Manganese (Mn)	NA	ND	0.025	0.05	µg/wet g									
Mercury (Hg)	NA	ND	0.01	0.02	µg/wet g									
Molybdenum (Mo)	NA	ND	0.025	0.05	µg/wet g									
Nickel (Ni)	NA	ND	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	0.025	0.05	µg/wet g									
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g									
Strontium (Sr)	NA	ND	0.025	0.05	µg/wet g									
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g									
Tin (Sn)	NA	ND	0.025	0.05	µg/wet g									
Titanium (Ti)	NA	ND	0.025	0.05	µg/wet g									
Vanadium (V)	NA	ND	0.025	0.05	µg/wet g									
Zinc (Zn)	NA	ND	0.025	0.05	µg/wet g									
Batch ID: 2724c-18012		**QAQC**	**Procedural Blank**					**Prepared 1/9/2008**			**Analyzed 13-Jan-08**			
Lab Blank 61725-B2			**DI Water**											
Aluminum (Al)	NA	ND	1	5	µg/wet g									

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g									
Arsenic (As)	NA	ND	0.025	0.05	µg/wet g									
Barium (Ba)	NA	ND	0.025	0.05	µg/wet g									
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g									
Cadmium (Cd)	NA	ND	0.025	0.05	µg/wet g									
Chromium (Cr)	NA	ND	0.025	0.05	µg/wet g									
Cobalt (Co)	NA	ND	0.025	0.05	µg/wet g									
Copper (Cu)	NA	ND	0.025	0.05	µg/wet g									
Iron (Fe)	NA	ND	1	5	µg/wet g									
Lead (Pb)	NA	ND	0.025	0.05	µg/wet g									
Manganese (Mn)	NA	ND	0.025	0.05	µg/wet g									
Molybdenum (Mo)	NA	ND	0.025	0.05	µg/wet g									
Nickel (Ni)	NA	ND	0.025	0.05	µg/wet g									
Selenium (Se)	NA	ND	0.025	0.05	µg/wet g									
Silver (Ag)	NA	ND	0.025	0.05	µg/wet g									
Strontium (Sr)	NA	ND	0.025	0.05	µg/wet g									
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g									
Tin (Sn)	NA	ND	0.025	0.05	µg/wet g									
Titanium (Ti)	NA	ND	0.025	0.05	µg/wet g									
Vanadium (V)	NA	ND	0.025	0.05	µg/wet g									
Zinc (Zn)	NA	ND	0.025	0.05	µg/wet g									

Batch ID: 2724c-18008 **Ref - A Worms** **Prepared 1/9/2008** **Analyzed 13-Jan-08**
Matrix Spike 61726-MS1 **Tissue**

Aluminum (Al)	NA	37.633	1	5	µg/wet g	9.514	31.5	64	10 - 180%	PASS				
Antimony (Sb)	NA	0.994	0.025	0.05	µg/wet g	0.951	0	105	70 - 130%	PASS				
Arsenic (As)	NA	13.034	0.025	0.05	µg/wet g	9.514	2.39	112	70 - 130%	PASS				
Barium (Ba)	NA	10.128	0.025	0.05	µg/wet g	9.514	0.405	102	70 - 140%	PASS				
Beryllium (Be)	NA	8.22	0.025	0.05	µg/wet g	9.514	0	86	50 - 120%	PASS				

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Cadmium (Cd)	NA	0.928	0.025	0.05	µg/wet g	0.951	0.037	94	70 - 130%	PASS				
Chromium (Cr)	NA	9.324	0.025	0.05	µg/wet g	9.514	0.238	96	55 - 135%	PASS				
Cobalt (Co)	NA	9.1	0.025	0.05	µg/wet g	9.514	0.11	94	65 - 125%	PASS				
Copper (Cu)	NA	9.914	0.025	0.05	µg/wet g	9.514	1.26	91	65 - 125%	PASS				
Iron (Fe)	NA	110.505	1	5	µg/wet g	9.514	109.5	11	50 - 140%	FAIL				
Lead (Pb)	NA	8.173	0.025	0.05	µg/wet g	9.514	0.098	85	55 - 120%	PASS				
Manganese (Mn)	NA	9.928	0.025	0.05	µg/wet g	9.514	1.119	93	50 - 140%	PASS				
Mercury (Hg)	NA	1.6	0.01	0.02	µg/wet g	2	0.0145	79	65 - 140%	PASS				
Molybdenum (Mo)	NA	10.042	0.025	0.05	µg/wet g	9.514	0.171	104	70 - 160%	PASS				
Nickel (Ni)	NA	8.715	0.025	0.05	µg/wet g	9.514	0.285	89	70 - 130%	PASS				
Selenium (Se)	NA	10.86	0.025	0.05	µg/wet g	9.514	0.368	110	60 - 125%	PASS				
Silver (Ag)	NA	0.885	0.025	0.05	µg/wet g	0.951	0.053	87	50 - 120%	PASS				
Strontium (Sr)	NA	14.314	0.025	0.05	µg/wet g	9.514	4.452	104	50 - 160%	PASS				
Thallium (Tl)	NA	8.315	0.025	0.05	µg/wet g	9.514	0	87	65 - 125%	PASS				
Tin (Sn)	NA	10.313	0.025	0.05	µg/wet g	9.514	0.425	104	70 - 150%	PASS				
Titanium (Ti)	NA	9.99	0.025	0.05	µg/wet g	9.514	1.157	93	50 - 150%	PASS				
Vanadium (V)	NA	9.985	0.025	0.05	µg/wet g	9.514	0.221	103	50 - 160%	PASS				
Zinc (Zn)	NA	32.528	0.025	0.05	µg/wet g	9.514	19.45	137	60 - 120%	FAIL				

Batch ID: 2724c-18008 **Ref - A Worms** **Prepared 1/9/2008** **Analyzed 13-Jan-08**
Matrix Spike Dup 61726-MS2 **Tissue**

Aluminum (Al)	NA	38.294	1	5	µg/wet g	9.514	31.5	71	10 - 180%	PASS	10	30	PASS	
Antimony (Sb)	NA	0.994	0.025	0.05	µg/wet g	0.951	0	105	70 - 130%	PASS	0	30	PASS	
Arsenic (As)	NA	13.11	0.025	0.05	µg/wet g	9.514	2.39	113	70 - 130%	PASS	1	30	PASS	
Barium (Ba)	NA	10.151	0.025	0.05	µg/wet g	9.514	0.405	102	70 - 140%	PASS	0	30	PASS	
Beryllium (Be)	NA	8.382	0.025	0.05	µg/wet g	9.514	0	88	50 - 120%	PASS	2	30	PASS	
Cadmium (Cd)	NA	0.937	0.025	0.05	µg/wet g	0.951	0.037	95	70 - 130%	PASS	1	30	PASS	
Chromium (Cr)	NA	9.457	0.025	0.05	µg/wet g	9.514	0.238	97	55 - 135%	PASS	1	30	PASS	
Cobalt (Co)	NA	9.138	0.025	0.05	µg/wet g	9.514	0.11	95	65 - 125%	PASS	1	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Copper (Cu)	NA	9.857	0.025	0.05	µg/wet g	9.514	1.26	90	65 - 125%	PASS	1	30	PASS	
Iron (Fe)	NA	113.74	1	5	µg/wet g	9.514	109.5	45	50 - 140%	FAIL	121	30	FAIL	
Lead (Pb)	NA	8.163	0.025	0.05	µg/wet g	9.514	0.098	85	55 - 120%	PASS	0	30	PASS	
Manganese (Mn)	NA	9.895	0.025	0.05	µg/wet g	9.514	1.119	92	50 - 140%	PASS	1	30	PASS	
Mercury (Hg)	NA	1.6	0.01	0.02	µg/wet g	2	0.0145	79	65 - 140%	PASS	0	30	PASS	
Molybdenum (Mo)	NA	10.028	0.025	0.05	µg/wet g	9.514	0.171	104	70 - 160%	PASS	0	30	PASS	
Nickel (Ni)	NA	8.739	0.025	0.05	µg/wet g	9.514	0.285	89	70 - 130%	PASS	0	30	PASS	
Selenium (Se)	NA	11.06	0.025	0.05	µg/wet g	9.514	0.368	112	60 - 125%	PASS	2	30	PASS	
Silver (Ag)	NA	0.989	0.025	0.05	µg/wet g	0.951	0.053	98	50 - 120%	PASS	12	30	PASS	
Strontium (Sr)	NA	14.514	0.025	0.05	µg/wet g	9.514	4.452	106	50 - 160%	PASS	2	30	PASS	
Thallium (Tl)	NA	8.32	0.025	0.05	µg/wet g	9.514	0	87	65 - 125%	PASS	0	30	PASS	
Tin (Sn)	NA	10.404	0.025	0.05	µg/wet g	9.514	0.425	105	70 - 150%	PASS	1	30	PASS	
Titanium (Ti)	NA	10.118	0.025	0.05	µg/wet g	9.514	1.157	94	50 - 150%	PASS	1	30	PASS	
Vanadium (V)	NA	10.128	0.025	0.05	µg/wet g	9.514	0.221	104	50 - 160%	PASS	1	30	PASS	
Zinc (Zn)	NA	33.094	0.025	0.05	µg/wet g	9.514	19.45	143	60 - 120%	FAIL	4	30	PASS	
Batch ID: 2724c-18008		**Ref - A Worms**						**Prepared 1/8/2008**			**Analyzed 13-Jan-08**			
Lab Dup 61726-R2		**Tissue**												
Aluminum (Al)	NA	34	1	5	µg/wet g						16	30	PASS	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Arsenic (As)	NA	2.385	0.025	0.05	µg/wet g						0	30	PASS	
Barium (Ba)	NA	0.466	0.025	0.05	µg/wet g						30	30	PASS	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Cadmium (Cd)	NA	0.038	0.025	0.05	µg/wet g						5	30	PASS	J
Chromium (Cr)	NA	0.244	0.025	0.05	µg/wet g						5	30	PASS	
Cobalt (Co)	NA	0.111	0.025	0.05	µg/wet g						3	30	PASS	
Copper (Cu)	NA	1.278	0.025	0.05	µg/wet g						3	30	PASS	
Iron (Fe)	NA	114	1	5	µg/wet g						8	30	PASS	
Lead (Pb)	NA	0.101	0.025	0.05	µg/wet g						6	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Manganese (Mn)	NA	1.04	0.025	0.05	µg/wet g						14	30	PASS	
Mercury (Hg)	NA	0.016	0.01	0.02	µg/wet g						21	30	PASS	J
Molybdenum (Mo)	NA	0.174	0.025	0.05	µg/wet g						4	30	PASS	
Nickel (Ni)	NA	0.287	0.025	0.05	µg/wet g						1	30	PASS	
Selenium (Se)	NA	0.378	0.025	0.05	µg/wet g						5	30	PASS	
Silver (Ag)	NA	0.058	0.025	0.05	µg/wet g						17	30	PASS	
Strontium (Sr)	NA	4.53	0.025	0.05	µg/wet g						4	30	PASS	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Tin (Sn)	NA	0.448	0.025	0.05	µg/wet g						11	30	PASS	
Titanium (Ti)	NA	1.251	0.025	0.05	µg/wet g						16	30	PASS	
Vanadium (V)	NA	0.226	0.025	0.05	µg/wet g						4	30	PASS	
Zinc (Zn)	NA	14.2	0.025	0.05	µg/wet g						54	30	FAIL	

Batch ID: 2724c-18012 **1C - E Worms** **Prepared 1/9/2008** **Analyzed 13-Jan-08**
Matrix Spike 61750-MS1 **Tissue**

Aluminum (Al)	NA	17.821	1	5	µg/wet g	7.922	10.5	92	10 - 180%	PASS
Antimony (Sb)	NA	0.836	0.025	0.05	µg/wet g	0.792	0	106	70 - 130%	PASS
Arsenic (As)	NA	12.35	0.025	0.05	µg/wet g	7.922	3.141	116	70 - 130%	PASS
Barium (Ba)	NA	8.247	0.025	0.05	µg/wet g	7.922	0.108	103	70 - 140%	PASS
Beryllium (Be)	NA	6.896	0.025	0.05	µg/wet g	7.922	0	87	50 - 120%	PASS
Cadmium (Cd)	NA	0.78	0.025	0.05	µg/wet g	0.792	0.029	95	70 - 130%	PASS
Chromium (Cr)	NA	7.668	0.025	0.05	µg/wet g	7.922	0.079	96	55 - 135%	PASS
Cobalt (Co)	NA	7.637	0.025	0.05	µg/wet g	7.922	0.132	95	65 - 125%	PASS
Copper (Cu)	NA	8.1	0.025	0.05	µg/wet g	7.922	1.036	89	65 - 125%	PASS
Iron (Fe)	NA	72.288	1	5	µg/wet g	7.922	65.5	86	50 - 140%	PASS
Lead (Pb)	NA	6.853	0.025	0.05	µg/wet g	7.922	0.106	85	55 - 120%	PASS
Manganese (Mn)	NA	8.187	0.025	0.05	µg/wet g	7.922	0.936	92	50 - 140%	PASS
Mercury (Hg)	NA	1.9	0.01	0.02	µg/wet g	2	0.015	94	65 - 140%	PASS
Molybdenum (Mo)	NA	8.358	0.025	0.05	µg/wet g	7.922	0.168	103	70 - 160%	PASS

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Nickel (Ni)	NA	7.213	0.025	0.05	µg/wet g	7.922	0.206	88	70 - 130%	PASS				
Selenium (Se)	NA	9.883	0.025	0.05	µg/wet g	7.922	0.438	119	60 - 125%	PASS				
Silver (Ag)	NA	0.757	0.025	0.05	µg/wet g	0.792	0.014	94	50 - 120%	PASS				
Strontium (Sr)	NA	11.645	0.025	0.05	µg/wet g	7.922	3.42	104	50 - 160%	PASS				
Thallium (Tl)	NA	6.956	0.025	0.05	µg/wet g	7.922	0	88	65 - 125%	PASS				
Tin (Sn)	NA	8.469	0.025	0.05	µg/wet g	7.922	0.19	105	70 - 150%	PASS				
Titanium (Ti)	NA	7.914	0.025	0.05	µg/wet g	7.922	0.461	94	50 - 150%	PASS				
Vanadium (V)	NA	8.429	0.025	0.05	µg/wet g	7.922	0.19	104	50 - 160%	PASS				
Zinc (Zn)	NA	34.267	0.025	0.05	µg/wet g	7.922	21.93	156	60 - 120%	FAIL				
Batch ID: 2724c-18012		**1C - E Worms**						**Prepared 1/9/2008**			**Analyzed 13-Jan-08**			
Matrix Spike Dup 61750-MS2			**Tissue**											
Aluminum (Al)	NA	18.181	1	5	µg/wet g	7.922	10.5	97	10 - 180%	PASS	5	30	PASS	
Antimony (Sb)	NA	0.836	0.025	0.05	µg/wet g	0.792	0	106	70 - 130%	PASS	0	30	PASS	
Arsenic (As)	NA	12.469	0.025	0.05	µg/wet g	7.922	3.141	118	70 - 130%	PASS	2	30	PASS	
Barium (Ba)	NA	8.29	0.025	0.05	µg/wet g	7.922	0.108	103	70 - 140%	PASS	0	30	PASS	
Beryllium (Be)	NA	6.979	0.025	0.05	µg/wet g	7.922	0	88	50 - 120%	PASS	1	30	PASS	
Cadmium (Cd)	NA	0.772	0.025	0.05	µg/wet g	0.792	0.029	94	70 - 130%	PASS	1	30	PASS	
Chromium (Cr)	NA	7.7	0.025	0.05	µg/wet g	7.922	0.079	96	55 - 135%	PASS	0	30	PASS	
Cobalt (Co)	NA	7.712	0.025	0.05	µg/wet g	7.922	0.132	96	65 - 125%	PASS	1	30	PASS	
Copper (Cu)	NA	8.179	0.025	0.05	µg/wet g	7.922	1.036	90	65 - 125%	PASS	1	30	PASS	
Iron (Fe)	NA	72.209	1	5	µg/wet g	7.922	65.5	85	50 - 140%	PASS	1	30	PASS	
Lead (Pb)	NA	6.805	0.025	0.05	µg/wet g	7.922	0.106	85	55 - 120%	PASS	0	30	PASS	
Manganese (Mn)	NA	8.409	0.025	0.05	µg/wet g	7.922	0.936	94	50 - 140%	PASS	2	30	PASS	
Mercury (Hg)	NA	1.9	0.01	0.02	µg/wet g	2	0.015	94	65 - 140%	PASS	0	30	PASS	
Molybdenum (Mo)	NA	8.37	0.025	0.05	µg/wet g	7.922	0.168	104	70 - 160%	PASS	1	30	PASS	
Nickel (Ni)	NA	7.324	0.025	0.05	µg/wet g	7.922	0.206	90	70 - 130%	PASS	2	30	PASS	
Selenium (Se)	NA	9.792	0.025	0.05	µg/wet g	7.922	0.438	118	60 - 125%	PASS	1	30	PASS	
Silver (Ag)	NA	0.741	0.025	0.05	µg/wet g	0.792	0.014	92	50 - 120%	PASS	2	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Strontium (Sr)	NA	11.554	0.025	0.05	µg/wet g	7.922	3.42	103	50 - 160%	PASS	1	30	PASS	
Thallium (Tl)	NA	6.952	0.025	0.05	µg/wet g	7.922	0	88	65 - 125%	PASS	0	30	PASS	
Tin (Sn)	NA	8.421	0.025	0.05	µg/wet g	7.922	0.19	104	70 - 150%	PASS	1	30	PASS	
Titanium (Ti)	NA	8.025	0.025	0.05	µg/wet g	7.922	0.461	95	50 - 150%	PASS	1	30	PASS	
Vanadium (V)	NA	8.445	0.025	0.05	µg/wet g	7.922	0.19	104	50 - 160%	PASS	0	30	PASS	
Zinc (Zn)	NA	34.322	0.025	0.05	µg/wet g	7.922	21.93	156	60 - 120%	FAIL	0	30	PASS	

Batch ID: 2724c-18012 **1C - E Worms** **Prepared 1/9/2008** **Analyzed 13-Jan-08**

Lab Dup 61750-R2 **Tissue**

Aluminum (Al)	NA	11	1	5	µg/wet g						10	30	PASS	
Antimony (Sb)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Arsenic (As)	NA	3.082	0.025	0.05	µg/wet g						4	30	PASS	
Barium (Ba)	NA	0.107	0.025	0.05	µg/wet g						2	30	PASS	
Beryllium (Be)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Cadmium (Cd)	NA	0.03	0.025	0.05	µg/wet g						7	30	PASS	J
Chromium (Cr)	NA	0.076	0.025	0.05	µg/wet g						9	30	PASS	
Cobalt (Co)	NA	0.132	0.025	0.05	µg/wet g						1	30	PASS	
Copper (Cu)	NA	1.056	0.025	0.05	µg/wet g						4	30	PASS	
Iron (Fe)	NA	66	1	5	µg/wet g						2	30	PASS	
Lead (Pb)	NA	0.108	0.025	0.05	µg/wet g						3	30	PASS	
Manganese (Mn)	NA	0.955	0.025	0.05	µg/wet g						4	30	PASS	
Mercury (Hg)	NA	0.016	0.01	0.02	µg/wet g						13	30	PASS	J
Molybdenum (Mo)	NA	0.17	0.025	0.05	µg/wet g						3	30	PASS	
Nickel (Ni)	NA	0.2	0.025	0.05	µg/wet g						6	30	PASS	
Selenium (Se)	NA	0.437	0.025	0.05	µg/wet g						0	30	PASS	
Silver (Ag)	NA	0.027	0.025	0.05	µg/wet g						8	30	PASS	J
Strontium (Sr)	NA	3.492	0.025	0.05	µg/wet g						4	30	PASS	
Thallium (Tl)	NA	ND	0.025	0.05	µg/wet g						0	30	PASS	
Tin (Sn)	NA	0.206	0.025	0.05	µg/wet g						17	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Titanium (Ti)	NA	0.478	0.025	0.05	µg/wet g						8	30	PASS	
Vanadium (V)	NA	0.193	0.025	0.05	µg/wet g						4	30	PASS	
Zinc (Zn)	NA	16.97	0.025	0.05	µg/wet g						45	30	FAIL	
Batch ID: 2724c-18008		**QAQC CRM (NRC DORM-3)**						**Prepared 1/8/2008**			**Analyzed 13-Jan-08**			
CRM 61776-CRM1		**Tissue**												
Arsenic (As)	NA	7.212	0.025	0.05	µg/wet g	6.88		105	6.88 - 4.13	PASS				
Cadmium (Cd)	NA	0.217	0.025	0.05	µg/wet g	0.29		75	0.17 - 0.377	PASS				
Chromium (Cr)	NA	1.359	0.025	0.05	µg/wet g	2.89		47	1.73 - 3.76	FAIL				
Copper (Cu)	NA	15.15	0.025	0.05	µg/wet g	15.5		98	9.3 - 20.2	PASS				
Iron (Fe)	NA	302	1	5	µg/wet g	347		87	208.2 - 451.1	PASS				
Lead (Pb)	NA	0.135	0.025	0.05	µg/wet g	0.134		101	0.08 - 0.223	PASS				
Mercury (Hg)	NA	0.302	0.01	0.02	µg/wet g	0.409		74	0.245 - 0.532	PASS				
Nickel (Ni)	NA	1.115	0.025	0.05	µg/wet g	1.28		87	0.896 - 1.664	PASS				
Tin (Sn)	NA	0.123	0.025	0.05	µg/wet g	0.066		186	0.04 - 0.086	FAIL				
Zinc (Zn)	NA	47.15	0.025	0.05	µg/wet g	51.3		92	30.8 - 66.7	PASS				
Batch ID: 2724c-18008		**QAQC CRM (NRC DORM-3)**						**Prepared 1/8/2008**			**Analyzed 13-Jan-08**			
CRM Dup 61776-CRM2		**Tissue**												
Arsenic (As)	NA	7.366	0.025	0.05	µg/wet g	6.88		107	6.88 - 4.13	PASS	2	30	PASS	
Cadmium (Cd)	NA	0.223	0.025	0.05	µg/wet g	0.29		77	0.17 - 0.377	PASS	3	30	PASS	
Chromium (Cr)	NA	1.392	0.025	0.05	µg/wet g	2.89		48	1.73 - 3.76	FAIL	2	30	PASS	
Copper (Cu)	NA	15.45	0.025	0.05	µg/wet g	15.5		100	9.3 - 20.2	PASS	2	30	PASS	
Iron (Fe)	NA	324	1	5	µg/wet g	347		93	208.2 - 451.1	PASS	7	30	PASS	
Lead (Pb)	NA	0.146	0.025	0.05	µg/wet g	0.134		109	0.08 - 0.223	PASS	8	30	PASS	
Mercury (Hg)	NA	0.266	0.01	0.02	µg/wet g	0.409		65	0.245 - 0.532	PASS	13	30	PASS	
Nickel (Ni)	NA	1.18	0.025	0.05	µg/wet g	1.28		92	0.896 - 1.664	PASS	6	30	PASS	
Tin (Sn)	NA	0.068	0.025	0.05	µg/wet g	0.066		103	0.04 - 0.086	PASS	58	30	FAIL	Q3
Zinc (Zn)	NA	48.6	0.025	0.05	µg/wet g	51.3		95	30.8 - 66.7	PASS	3	30	PASS	

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Trace Metals

QUALITY CONTROL REPORT

Analyte	Fraction	Result	MDL	RL	Units	Spike Level	Source Result	% Recovery	Acceptance Limits	Limit Pass/Fail	RPD	RPD LIMIT	Limit Pass/Fail	QA Code
Batch ID: 2724c-18012 61776-CRM3		**QAQC CRM (NRC DORM-3) Tissue**						**Prepared 1/9/2008**			**Analyzed 13-Jan-08**			
Arsenic (As)	NA	7.236	0.025	0.05	µg/wet g	6.88		105	6.88 - 4.13	PASS				
Cadmium (Cd)	NA	0.217	0.025	0.05	µg/wet g	0.29		75	0.17 - 0.377	PASS				
Chromium (Cr)	NA	1.398	0.025	0.05	µg/wet g	2.89		48	1.73 - 3.76	FAIL				
Copper (Cu)	NA	15.14	0.025	0.05	µg/wet g	15.5		98	9.3 - 20.2	PASS				
Iron (Fe)	NA	310	1	5	µg/wet g	347		89	208.2 - 451.1	PASS				
Lead (Pb)	NA	0.134	0.025	0.05	µg/wet g	0.134		100	0.08 - 0.223	PASS				
Mercury (Hg)	NA	0.373	0.01	0.02	µg/wet g	0.409		91	0.245 - 0.532	PASS				
Nickel (Ni)	NA	1.207	0.025	0.05	µg/wet g	1.28		94	0.896 - 1.664	PASS				
Tin (Sn)	NA	0.074	0.025	0.05	µg/wet g	0.066		112	0.04 - 0.086	PASS				
Zinc (Zn)	NA	48.43	0.025	0.05	µg/wet g	51.3		94	30.8 - 66.7	PASS				
Batch ID: 2724c-18012 61776-CRM4		**QAQC CRM (NRC DORM-3) Tissue**						**Prepared 1/9/2008**			**Analyzed 13-Jan-08**			
Arsenic (As)	NA	6.971	0.025	0.05	µg/wet g	6.88		101	6.88 - 4.13	PASS				
Cadmium (Cd)	NA	0.22	0.025	0.05	µg/wet g	0.29		76	0.17 - 0.377	PASS				
Chromium (Cr)	NA	1.45	0.025	0.05	µg/wet g	2.89		50	1.73 - 3.76	FAIL				
Copper (Cu)	NA	14.94	0.025	0.05	µg/wet g	15.5		96	9.3 - 20.2	PASS				
Iron (Fe)	NA	317	1	5	µg/wet g	347		91	208.2 - 451.1	PASS				
Lead (Pb)	NA	0.135	0.025	0.05	µg/wet g	0.134		101	0.08 - 0.223	PASS				
Mercury (Hg)	NA	0.388	0.01	0.02	µg/wet g	0.409		95	0.245 - 0.532	PASS				
Nickel (Ni)	NA	1.174	0.025	0.05	µg/wet g	1.28		92	0.896 - 1.664	PASS				
Tin (Sn)	NA	0.087	0.025	0.05	µg/wet g	0.066		132	0.04 - 0.086	FAIL				
Zinc (Zn)	NA	47.94	0.025	0.05	µg/wet g	51.3		93	30.8 - 66.7	PASS				

CHAIN-OF-CUSTODY

Western ① under Freeway Del Amo ② corner Van Ness.

Leena X-7111

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
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CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID # 2724c

Client Name	AMEC E+E
Address	9210 Sky Pk. Ct. #200 San Diego, CA 92123
Sampled By	N. Bubbe, T. Huff
Project Manager	Nick Bubbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.bubbe@amec.com
Project Name/Number	POLA B-145 7151000802
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS					
1	Ref-A	12/13/07	N/A	Tissue	2	ziplock	X	X	X	X	X	X					
2	Ref-B																
3	Ref-C																
4	Ref-D																
5	Ref-E																
6	LC-A																
7	LC-B																
8	LC-C																
9	LC-D																
10	LC-E																

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments: each location (i.e. Ref-A) has 1 bag worms, 1 bag clams. Keep frozen.
50 ziplocks total

RELINQUISHED BY

Signature:	
Print:	Tyler Huff (AMEC)
Company:	AMEC
DATE:	12/21/07 TIME:

RECEIVED BY

Signature:	
Print:	John Rudolph
Company:	Nautilus Environmental
DATE:	12/21/07 TIME: 1100

switch

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Relinquished by: AMEC Tyler Huff Time: 1327 Date: 12/21/07 Recieved by: Date 12/21/07 Time 1327

Western ① under Freeway Del Amo ② corner Van Ness.

Leena X-7111

page 2 of 3

CRG Marine Laboratories, Inc.

2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
(310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID #

Client Name / Address	AMEC E+E, 9210 Sky Pk. Ct. #200, San Diego, CA 92123
Sampled By	N. Bubbe, T. Huff
Project Manager	Nick Bubbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.bubbe@amec.com
Project Name/Number	POLA B-1115 7151000004
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS					
1	UC-A	12/13/07	N/A	Tissue	2	ziplock	X	X	X	X	X	X					
2	UC-B																
3	UC-C																
4	UC-D																
5	UC-E																
6	RC-A																
7	RC-B																
8	RC-C																
9	RC-D																
10	RC-E																

Correct Containers:	Yes	No	
Sample Temperature:	Ambient	Cold	Warm
Sample Preservative:	Yes	No	
Turnaround Time:	STD	Specify:	
Report Format:	pdf	EDD	hardcopy

Comments: each location (i.e. Ref-A) has 1 bag worms, 1 bag clams. keep frozen
50 total ziplocks

RELINQUISHED BY

Signature:	[signature]
Print:	John Rudolph
Company:	Nautilus Environmental
DATE:	12/21/07 TIME: 1100

RECEIVED BY

Signature:	[signature]
Print:	Tyler Huff
Company:	AMEC
DATE:	12/21/07 TIME: 1101

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Relinquished by: Tyler Huff [signature] AMEC Date: 12/21/07 Time: 1327 Received by: _____ Date 12/21/07 time _____

Western
① under Freeway
Del Amo
②
corner
Van Ness.

Leena X-111

Page 3 of 3

CRG Marine Laboratories, Inc.
2020 Del Amo Blvd., Suite 200, Torrance, CA 90501-1206
(310) 533-5190 FAX (310) 533-5003

CHAIN-OF-CUSTODY RECORD

LAB PROJECT ID #

Client Name	AMEC E+E
Address	9210 Sky Pk. Ct. #200 San Diego, CA 92123
Sampled By	N. Buhbe, T. Huff
Project Manager	Nick Buhbe
Phone	858-300-4300
FAX	858-300-4301
Email	nicholas.buhbe@amec.com
Project Name/Number	POLA B-145 7151000604
P.O. Number	

REQUESTED ANALYSIS

	Client Sample ID	Sample Date	Sample Time	Sample Matrix*	Container Quantity	Container Type	As, Cd, Cr, Cu, Pb, Hg	Ni, Se, Ag, Zn	PAHs (8270)	Chlor. Pesticides/PCBs	% SOLIDS	% LIPIDS					
1	IC-A	12/13/07	N/A	tissue	2	ziplock	X	X	X	X	X	X					
2	IC-B	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
3	IC-C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
4	IC-D	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
5	IC-E	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
6																	
7																	
8																	
9																	
10																	

Correct Containers:	Yes	No		
Sample Temperature:	Ambient	Cold	Warm	
Sample Preservative:	Yes	No		
Turnaround Time:	STD	Specify:		
Report Format:	pdf	EDD	hardcopy	

Comments:
each location (i.e. Ref-A) has 1 bag worms, 1 bag clams, Keep Frozen
So total Ziplocks

RELINQUISHED BY

Signature:	[signature]		
Print:	John Rudolph		
Company:	Nautilus Environmental		
DATE:	12/21/07	TIME:	1100

RECEIVED BY

Signature:	[signature]		
Print:	AMEC Tyler Huff		
Company:	AMEC		
DATE:	12/21/07	TIME:	1101

*MATRIX CODES: (SED = Sediment); (TISS = Tissue); (SW = Seawater, Saltwater); (FW = Freshwater); (WW = Wastewater); (STRMW = Stormwater)

Relinquished By: [signature] Tyler Huff (AMEC) Time: 1327 Date: 12/21/07, Received by: [signature] @ Date: 12/21/07 @ Time: 1327

CRG
Marine Laboratories, Inc.

SAMPLE RECEIVING

CRG Project ID
2724c

CLIENT NAME AMEC

DATE RECEIVED 12-21-07

COURIER INFORMATION		
☐ CRG	☐ FEDEX	TRACKING NUMBER
☒ OTHER*	☐ UPS	

TEMPERATURE	
-4 °C	☐ BLUE ICE
	☒ WET ICE
	☐ NO ICE

Chain-of-Custody
☐ INCLUDED
☒ SIGNED
☐ NOT INCLUDED

SAMPLE MATRIX
☐ LIQUID
☒ SOLID
☐ OTHER*

CONDITION OF SAMPLES UPON ARRIVAL

	YES	NO*	NA
All sample containers intact and good condition	☒	☐	☐
All samples listed on COC are present	☒	☐	☐
Sample ID on containers consistent with COC	☒	☐	☐
Correct containers used for analyses requested	☒	☐	☐
All samples received within method holding time	☒	☐	☐

*NOTES

COMPLETED BY: RGH

2020 Del Amo Boulevard Suite 200, Torrance, CA 90501 · (310) 533-5190 · FAX (310) 533-5003