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COMPREHENSIVE LONG-TERM ENVIRONMENTAL ACTION NAVY

CLEAN II

FINAL REPORT ANTHROPOGENIC PAH REFERENCE-LEVEL STUDY MARINE CORPS AIR STATION EL TORO, CALIFORNIA CTO-0065/0177

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SUMMARY

The Base Realignment and Closure Cleanup Team (BCT) for Marine Corps Air Station (MCAS) El Toro recognized a potential for anthropogenic (man-made) polynuclear aromatic hydrocarbons (PAHs) not associated with contaminated sites to be present in MCAS El Toro surface soils. If present at significant levels yet not taken into account, these anthropogenic PAH constituents could complicate environmental assessments and cleanup levels. Therefore, the BCT proposed sampling and statistical analysis be performed to estimate the PAH reference levels specific to MCAS El Toro surface soils and whether these levels were above or below current residential soil preliminary remediation goals (PRGs) as established by the Region IX United States Environmental Protection Agency (U.S. EPA)(U.S. EPA 1995).

In order to estimate a statistically valid reference level, soil samples were collected from 20 randomly located points through out the station. These soil samples were analyzed for PAHs by a fixed-base laboratory using U.S. EPA Method 8310 and by two immunoassay field-screening methods. The U.S. EPA Method 8310 results were used as the population for the statistical analysis and were also used to evaluate the reliability of the two immunoassay field-screening methods.

In addition, at the request of the MCAS El Toro BCT, six of the PAH sample locations associated with runway areas had additional surface soil collected for target analyte list metals analysis. Of these six locations, three also had soil samples collected for dioxins analysis. These data will be used to support BCT decisions on whether or not the runway parcels can be released for unrestricted use in their present condition.

Based on the statistical analysis of the PAH levels reported by the fixed laboratory, the MCAS El Toro reference-level concentrations for the PAH compounds with established PRGs are all below the residential soil action levels. The concept of PAH reference levels above PRGs in surface soils due to the urban setting for MCAS El Toro has not been supported.

The comparison of the two immunoassay methods for PAHs with U.S. EPA Method 8310 results suggests that the immunoassay kits are viable analytical tools to collect quick preliminary data with detection limits below residential soil PRGs. The two immunoassay kits reported similar results leading to the same decisions, but they could not be numerically correlated to each other due to different reporting formats (a bracketed range versus a total carcinogenic PAH value). If proper sampling and analytical techniques are followed, both immunoassay methods are reliable assessment tools.

The reported results of the dioxin and metals analyses should support unrestricted release of the runway parcels. No dioxins or furans were reported, and the mean metal concentrations reported, with the exception of selenium, are at or below background levels reported in the draft Phase II Remedial Investigation Report for Site 2 (BNI 1996).

This study was conducted under Contract Task Order (CTO)-0065. It followed the protocols as approved in the CTO-0065 Field Sampling Plan, Quality Assurance Project Plan, Data Management Plan, Investigation-Derived Waste Management Plan, and Site-Specific Health and Safety Plan Supplement, as presented in the final Addendum to the Resource Conservation and Recovery Act Facility Assessment Work Plan for MCAS El Toro (BNI 1995a).

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ACRONYMS/ABBREVIATIONS

AGTL	amber glass Teflon-lined lid
BCT	Base Realignment and Closure Cleanup Team
BNI	Bechtel National, Inc.
BRAC	Base Realignment and Closure
CAS	Chemical Analysis Survey
CLP	(U.S. EPA) Contract Laboratory Program
COC	chain of custody
COPC	chemical of potential concern
CTO	Contract Task Order
µg/kg	micrograms per kilogram
mg/kg	milligrams per kilogram
MCAS	Marine Corps Air Station
MSL	mean sea level
PAH	polynuclear aromatic hydrocarbons
PRG	(U.S. EPA Region IX) preliminary remediation goal
PP	Program Procedure
QA	quality assurance
QC	quality control
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SOP	standard operating procedure
SOW	Statement of Work
SVOC	semi-volatile organic compound
TAL	target analyte list
U.S. EPA	United States Environmental Protection Agency
UCL	upper confidence level
UTL	upper tolerance level
WMGJTL	wide-mouthed glass jar (with) Teflon-lined lid

Section 1
INTRODUCTION

This report has been prepared to present the findings of the anthropogenic (man-made) polynuclear aromatic hydrocarbon (PAH) compound reference level study at Marine Corps Air Station (MCAS) El Toro, California, under Contract Task Order (CTO)-0065 issued to Bechtel National, Inc. (BNI), by the Southwest Division Naval Facilities Engineering Command, contract No. N68711-92-D-4670.

The potential exists for anthropogenic PAHs not associated with releases of PAH contaminants to be present in MCAS El Toro surface soils. These hypothetical PAH constituents (derived from smog, aircraft exhaust, and other urban sources) may artificially elevate volume estimates of soils to be remediated and unnecessarily increase the scope of environmental assessments. Therefore, a statistical study to establish reference levels specific to MCAS El Toro was proposed. If shown to be statistically feasible from the data collected, these levels would be calculated to assist risk assessment and remediation activities.

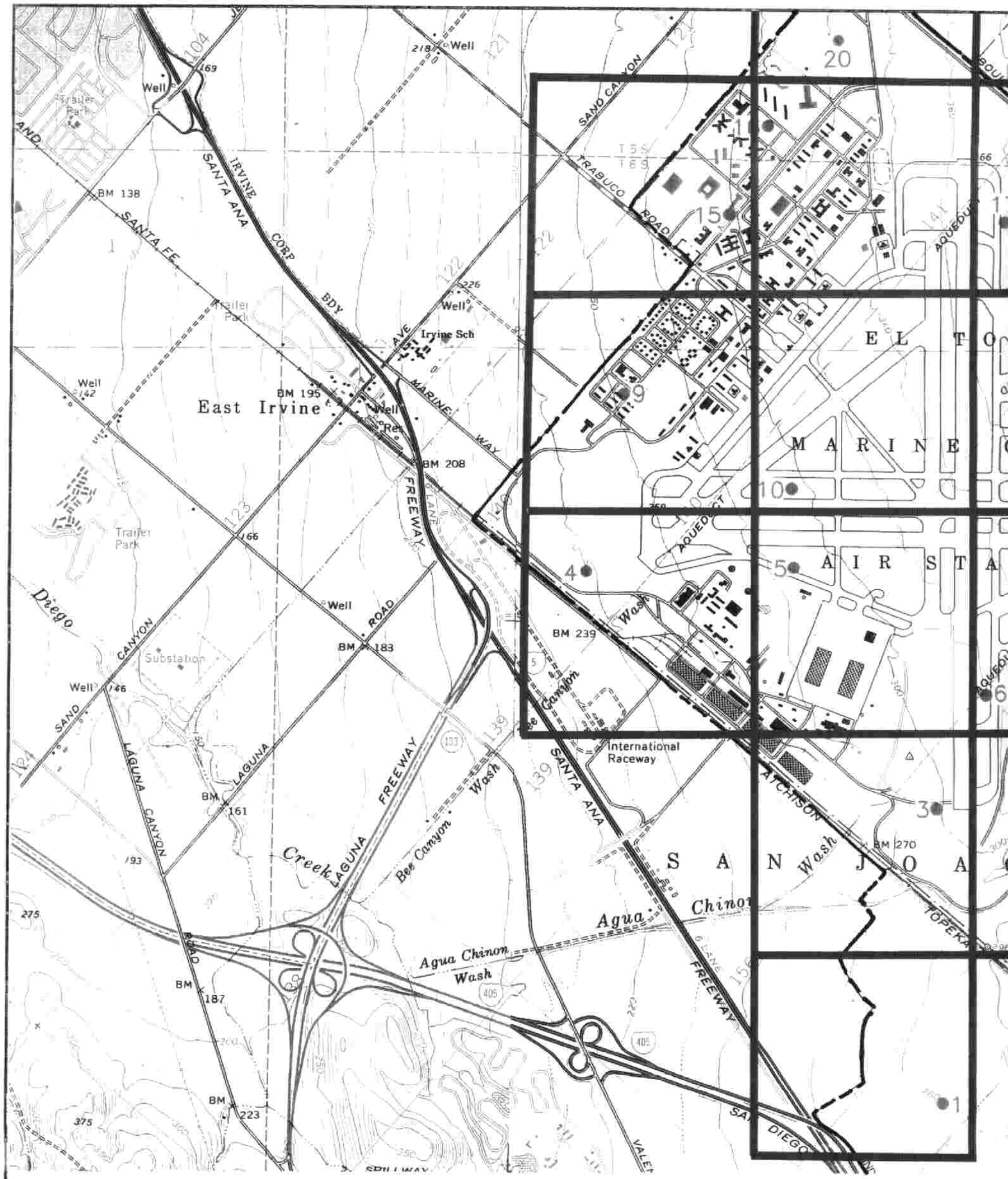
In addition, the reference-level sampling locations associated with runway parcels were also assessed for levels of metals and dioxins at the request of the United States Environmental Protection Agency (U.S. EPA). These data will be used in making the decision of whether the runway parcels can be released for unrestricted use in their present-day condition.

1.1 SCOPE OF WORK

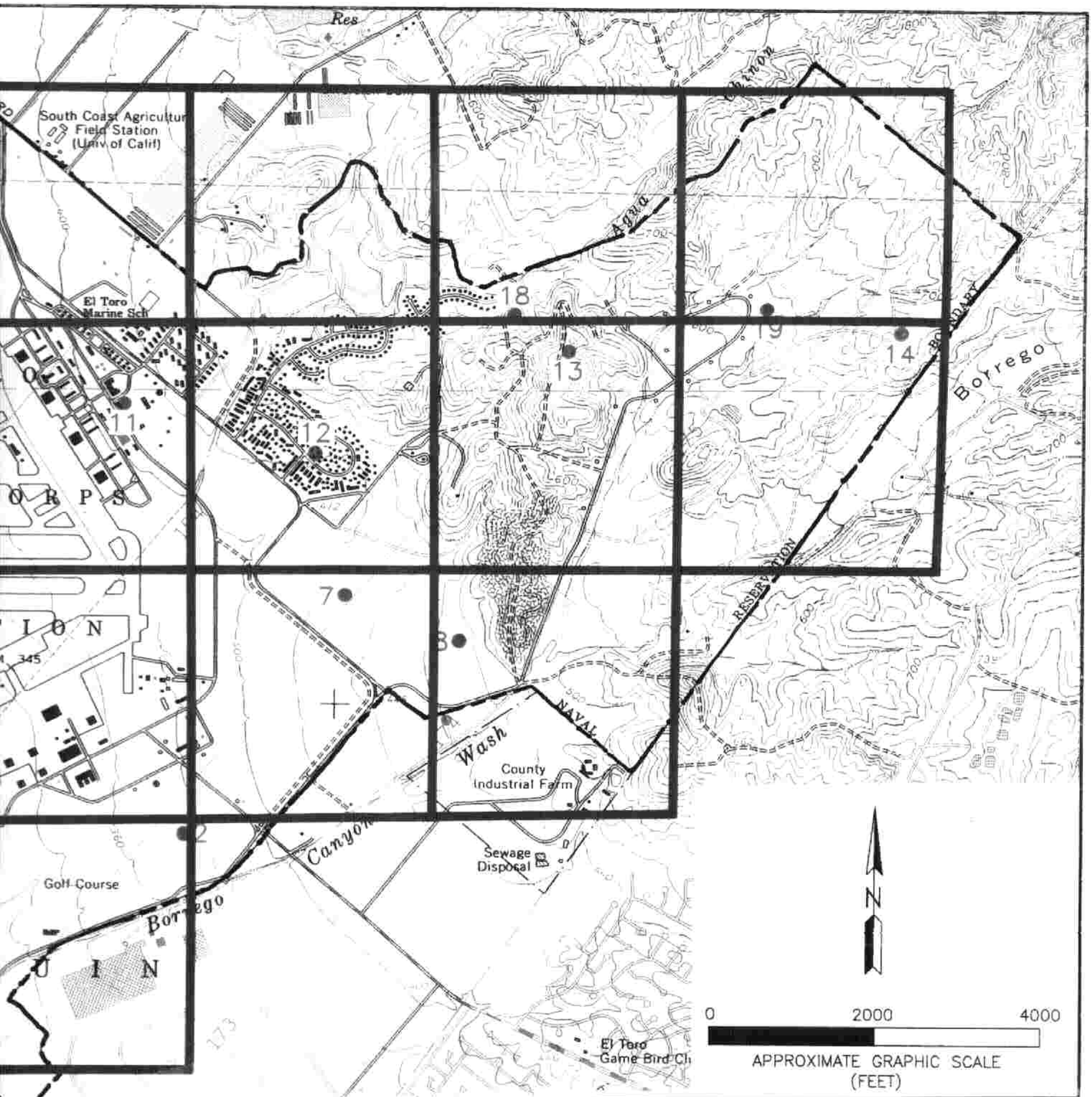
The primary scope of work for this study was primarily to collect soil samples from 20 locations over the entire MCAS El Toro property (Figure 1-1). These sample locations were positioned by constructing an equal-area grid and positioning a sample location randomly within each of the grid areas. Soil samples were analyzed for PAHs by fixed-base laboratory and field-screening immunoassay methods. The results of the PAH fixed-base laboratory analyses were assessed with statistical analysis to estimate a reference level for PAHs in MCAS El Toro surface soils. The immunoassay results were then compared to the fixed-base laboratory results to assess the accuracy and reliability of current immunoassay methods to detect PAHs at levels below U.S. EPA Region IX residential soil preliminary remediation goals (PRGs)(U.S. EPA 1995). Sample locations that were located within the areas defined as runway parcels were additionally analyzed by a fixed-base laboratory for target analyte list (TAL) metals and dioxins.

1.2 BACKGROUND AND SETTING

MCAS El Toro is located in a semi-urban agricultural area in southern California, approximately 8 miles southeast of Santa Ana and 12 miles northeast of Laguna Beach. The land northwest of MCAS El Toro is used for agricultural purposes. The land south and northeast is used mainly for commercial, light industrial, and residential purposes. The closest residential areas are the cities of Lake Forest, Irvine, and Laguna Hills.



SOURCE: U.S.G.S. 7.5' EL TORO AND TUSTIN QUADRANGLE MAPS (PHOTO REVISED 1982)



LEGEND:

SITE STUDY BOUNDARY

SYSTEMATIC GRID OVERLAY

20● LOCATION OF SAMPLE

PAH Reference Level Study

Figure 1-1

Systematic Random Sampling Locations

MCAS, El Toro, California

Bechtel National, Inc.
CLEAN II Program

Date: 4/29/95
File No: -
Job No: 22214-065
Rev No: A

The MCAS El Toro property slopes gently to the west-southwest and extends across a broad alluvial valley (Tustin Plain) and into the Santa Ana Mountains. At the west corner of the facility, elevations begin at approximately 215 feet above mean sea level (MSL) and rise to approximately 800 feet above MSL at the eastern corner of the station in the foothills of the Santa Ana Mountains. The Santa Ana Mountains rise steeply to the north and east and the highest peak is located approximately 10 miles east of the Station. Ten miles south of the Station is the highest peak of the San Joaquin Hills, which gradually rise to the south. The land northwest of the Station is relatively level (Jacobs 1993).

1.2.1 Recent Station Operations

MCAS El Toro provides materials and support for aviation activities of the United States Marine Corps. The Station comprises runways, aircraft maintenance, training facilities, housing, shopping facilities, and other support facilities. Currently, the Station is undergoing the Base Realignment and Closure (BRAC) process. Some operations have closed, and various parts of the Station are no longer in use. Squadrons have been transferred to other Marine Corps and Naval stations.

Currently, hazardous materials wastes are managed under Resource Conservation and Recovery Act (RCRA) requirements. Hazardous wastes are stored in containers at general accumulation areas and are held for less than 90 days. The on-Station RCRA Interim-Status Storage Facility holds these wastes until they are released for disposal. MCAS El Toro contracts with waste transporters and treatment, storage, and disposal facilities to transport, recycle, treat, or dispose of hazardous wastes.

1.2.2 Land Use

MCAS El Toro encompasses about 4,738 acres. Approximately 1,000 acres are designated for outleases because airfield safety clearances render them unsuitable for any other use. The outleased lands are at the corners of the Station and are used for agricultural purposes, including landscape nurseries, livestock grazing, and crop production. Crops grown on-Station include strawberries, winter celery, tomatoes, and avocados (MCAS El Toro 1991).

General land uses of MCAS El Toro are described in four quadrants, as defined by the bisecting north-south and east-west runways:

- the northwest quadrant consists of administrative services (including the MCAS El Toro headquarters, family and bachelor housing, and community support services).
- the northeast quadrant consists of Marine aircraft group activities (including training, maintenance, supply and storage, and aircraft operations), family housing, community services, and ordnance disposal in areas isolated by topographic relief and distance from other developments.

- the southeast quadrant consists of administrative services, maintenance facilities, ordnance storage, and the golf course; and
- the southwest quadrant consists of maintenance facilities, supply and storage facilities, and limited administrative services.

More specifically land use on MCAS El Toro can be divided into seven land use categories:

- foothills (open land),
- golf course,
- housing,
- agricultural,
- administrative buildings,
- maintenance buildings, and
- runways.

Section 2
FIELD INVESTIGATION ACTIVITIES

Fieldwork was performed to collect representative surface soil samples from a systematic random sampling grid of sample locations throughout MCAS El Toro. Fieldwork was performed according to the methodology developed in the final Work Plan (BNI 1995b) to assure that data of sufficient quality were collected with appropriate documentation to support the recommendations and strategies developed from this study.

2.1 FIELDWORK ELEMENTS

Soil samples were collected using stainless steel equipment that had been decontaminated before each use. Sample collection for both on-site and off-site analyses was documented in field logbooks and chain-of-custody (COC) forms. Quality assurance (QA)/quality control (QC) was performed using standard methods, including homogenization of soil prior to collection, a rinse blank, a matrix spike, and a blind duplicate sample. Management of the data from field activities was controlled by maintenance of both hard-copy data files (for logbooks and COC forms) and an electronic database.

2.1.1 Soil Sampling

The scope of the soil sampling effort was limited to the collection of surface soil samples (0 to 6 inches below the ground surface in accordance with risk assessment convention) from randomly positioned sample locations throughout MCAS El Toro.

During the study, 21 surface soil samples were collected at the locations identified in the final Work Plan and shown on Figure 1-1. One surface soil sample was collected from each sample location with the exception of one duplicate collection location. All soil samples were analyzed by both a fixed-base laboratory and two on-site immunoassay screening methods for PAHs. Samples were collected with a stainless steel trowel from a depth of 0 to 6 inches below ground surface.

2.1.2 Quality Assurance /Quality Control Samples

Soil for a blind duplicate sample was collected during the field activities. One organic-free water rinsate sample of the sampling equipment was collected during field activities to document the decontamination of the sampling equipment. No trip blanks or field blanks were collected because no volatile organic analyses were performed. One of the 20 regular samples was designated a matrix spike/matrix spike duplicate for the fixed laboratory.

2.1.3 Decontamination

Sampling equipment and tools were decontaminated before and after each sampling event to prevent cross-contamination. A daily equipment rinsate blank was collected from decontaminated sampling equipment and apparatus to evaluate the efficiency of equipment decontamination. The blank was collected by pouring organic-free water through or over decontaminated sampling equipment and filling the rinsate aliquot

bottles. Complete decontamination procedures for sampling equipment and field measuring devices were presented in the final Work Plan (BNI 1995b). Expendable equipment that came into contact with potentially contaminated soil was disposed in accordance with the Investigation-Derived Waste Management Plan (BNI 1995c).

Fixed-base laboratory sample containers were supplied by the laboratory designated for analytical services. The sample containers were cleaned and QC-tested by procedures directly related to the specific analyses to be performed on samples collected in these bottles. Methods used followed U.S. EPA Contract Laboratory Program (CLP) Sample Bottle Repository Program Procedures to assure that the containers were free of contaminants (this QC testing was performed by the container vendor for the off-site laboratory prior to shipment to the field). Field screening sample containers were unused pint-sized plastic bags.

2.1.4 Sample Analyses

Table 2-1 lists the PAH chemicals of potential concern (COPCs) for the anthropogenic PAH reference-level study at MCAS El Toro. Table 2-2 summarizes the matrices, number of samples taken, analyses performed, and the applicable container(s), preservatives, holding times, and other relevant information, in accordance with CLEAN II Program Procedures and the final Work Plan (BNI 1995b), for the sample locations shown on Figure 1-1. Sample locations are unchanged from the proposed locations.

Several analytical methods were used to field screen and analyze surface soil samples for the PAHs listed in Table 2-1. These methods included:

- field screening for PAHs in soil using ENSYS immunoassay for PAHs (U.S. EPA Method 4035) and OHMICRON RaPID Assay for carcinogenic PAHs; and
- off-site, fixed-base laboratory analyses for PAHs using U.S. EPA Method 8310, and for semivolatile organic compounds using 8270-Modified (National Oceanic and Atmospheric Administration Status & Trends).

The ENSYS and OHMICRON immunoassay kits are designed for on-site analyses of soils when rapid results are needed for time-critical decisions. The data provided by the immunoassay kits is not useable for risk-assessment decisions but recent advances in the immunoassay technology allows for very low detection limits. The immunoassay kits report results as a total PAH value. The two kits vary slightly with respect to sensitivities to the individual PAH compounds listed in Table 2-1. The OHMICRON kit is sensitive to the seven carcinogenic PAHs and calibrated to benzo(a)pyrene; the ENSYS kit is sensitive to 13 PAHs associated with waste oils and calibrated to chrysene. There is some overlap between the sensitivities of the two kits but the reported values for any one sample by the two kits cannot be directly compared.

For soil samples collected in the runway areas, metals analysis was performed by U.S. EPA Method for TAL metals as set by the CLP Statement of Work (SOW). Dioxins analysis was performed using U.S. EPA Method 8280 for dioxin/dibenzofurans.

Table 2-1
Polynuclear Aromatic Hydrocarbons of Potential Concern

CAS[a] NO.	Polynuclear Aromatic Hydrocarbon
83-32-9	acenaphthene[b]
208-96-8	acenaphthylene[b]
120-12-7	anthracene[b]
56-55-3	benzo(a)anthracene[bc]
50-32-8	benzo(a)pryene[bc]
205-99-2	benzo(b)fluoranthene[c]
191-24-2	benzo(g,h,i)perylene
207-08-0	benzo(k)fluoranthene[c]
218-01-9	chrysene[bc]
53-70-3	dibenzo(a,h)anthracene[c]
206-44-0	fluoranthene[b]
86-73-7	fluorene[b]
193-39-5	indeno(1,2,3-cd)pyrene[bc]
91-20-3	naphthalene
85-01-8	phenanthrene[b]
129-00-0	pyrene[b]

Notes:

[a] CAS–Chemical Abstracts Service

[b] ENSYS immunoassay test is sensitive to this compound

[c] OHMICRON immunoassay test is sensitive to this carcinogenic compound

Table 2-2
Sample Collection Summary

Sample	Matrix	Analytes	Container	Sample Volume	Preservatives	Turnaround Time	Comments
PAH[a] samples Locations. 1-20	Soil	PAH	plastic bag	20 grams	none	none	Immunoassay aliquots
	Soil	8310/8270-M	WMGJTL[b]	8 ounces	4° C[c]	14 days	Off-site laboratory aliquots
Metals Locations 3, 4, 5, 6, 10, 17	Soil	TAL[d] metals	WMGJTL	4 ounces	4° C	14 days	Runway parcel aliquots
Dioxins/ Dibenzofurans Locations 3, 5, 6	Soil	8280	WMGJTL	4 ounces	4° C	14 days	Runway parcel aliquots
Blind duplicate (one)	Soil	PAHs, SVOCs[e], TAL metals	WMGJTL	4 ounces	4° C	14 days	Location 17
Rinsate blank[f] (one)	Organic -free water	PAHs, SVOCs, TAL metals	AGTL[g]	80 ounces 1 Liter	4° C	14 days	Composite using trowel, spoons, and mixing bowl

Notes:

[a] PAH – polynuclear aromatic hydrocarbon
[b] WMGJTL – wide-mouth, glass jar, Teflon-lined lid
[c] °C – degrees Celsius
[d] TAL – target analyte list
[e] SVOC – semivolatile organic compound
[f] source blank to analyze analyte-free water collected by CTO-0076; no trip blanks are required because there are no volatile analyses
[g] AGTL – amber glass jug with Teflon-lined lid

2.2 DOCUMENTATION

Each sample was documented to facilitate timely, correct, and complete analysis and to support use of data in the evaluation and conduct of remedial actions at MCAS El Toro. The documentation system used provides the means to identify, track, and monitor each sample from the point of collection through the final data reporting. A variety of documentation methods were used, including soil sample forms, logbooks, COC records, custody seals, and an electronic database. Details of the specific documentation methods used are described in the following sections.

2.2.1 Soil Sample Forms

Soil sample forms were prepared and are included in Appendix A. These forms were used by field sampling personnel to record observations at each sampling site.

2.2.2 Logbooks

Controlled, bound (i.e., with pages that may not be inserted or removed without physical damage to the book) field logbooks with consecutively prenumbered pages were maintained by the sampling team leaders to provide a daily record of significant events, observations, and personnel activity during field investigations. All field investigation teams maintained field logbooks that will be kept as permanent records. Entries were made in indelible ink. Corrections were made by a single-line deletion through the error followed by the correction. Deletions were initialed and dated by the person making the correction. All pages with entries were signed and dated at the bottom of each page.

Field logbooks were designed to provide sufficient, defensible data and observations to enable participants to reconstruct events that occurred during the project. The staff was instructed to keep field logbook entries factual, detailed, and objective. Completed field logbooks were reviewed by the Field Data Coordinator or CTO Leader and then delivered to the Project Document Control Center.

2.2.3 Chain-of-Custody Records

COC records trace the sample possession from the time of collection to final disposition. The COC record was signed as relinquished or received each time the sample changed hands. The COC record was completed using waterproof ink. All corrections were made by drawing a line through, initialing, and dating the error. The correct information was then entered. The COC record was employed as physical evidence of sample custody. The sampler completed a COC record to accompany each sample shipment from the field to the laboratory. After sample collection, custody seals were placed on the sample containers. Custody seals are designed to detect whether samples have been tampered with between collection and analysis. The seal was placed so that it had to be broken in order to open the sample container. Two or more custody seals were placed on the outside of the shipping container or cooler prior to shipment by overnight carrier. Each

custody seal affixed to sample containers, and sample coolers were signed and dated by the Sample Team Leader or designee.

2.3 DATA MANAGEMENT

Data types included sample collection locations, field-screening measurements (using ENSYS and OMICRON RaPID immunoassay) and laboratory analyses. Primary data management activities included establishing sampling designs; collecting, encoding, verifying, and validating electronic and hard copy data; performing QA/QC data evaluation; and generating output for interpretation.

2.3.1 Data Entry

Data were entered into the CLEAN II Program database through either electronic transfers or manual entry. Data entry adhered to appropriate QA and verification requirements. Detailed procedures for transmittal of data are provided in CLEAN II PP T2.2, Sample Information Management System; PP A1.1, Program Document Control; and various CLEAN II Standard Operating Procedures (SOPs) covering inquiry, collection, and recording of specific data types.

2.3.2 Sample Packages

As part of field data management, a data package was assembled to control hard-copy records for each sample. Sample information management includes the use of data collection forms, COC forms, sample labels, and custody seals as required by PP T2.2, Sample Information Management System. In addition to keeping these records as part of the data management process, the following were monitored during field investigations:

- submission of environmental samples for laboratory analysis;
- schedules associated with sample analyses (including holding times);
- transfer of electronic data deliverables and hard copies from the laboratory; and
- tracking of data verification and validation.

In addition to the hard-copy files, electronic records for each sample were captured in a database. The source of data for the electronic record includes the data forms, logs, COC records, and electronic data from the laboratory. The format and data requirements for the electronic database were defined by Technical PP 2.1.

Section 3
STUDY RESULTS

3.1 FIXED-BASE LABORATORY RESULTS

Fixed-base laboratory results were reported in accordance with project requirements for the analyses requested by the final Work Plan (BNI 1995b). The reported values used in this study were verified and validated prior to statistical analysis or interpretation.

3.1.1 Polynuclear Aromatic Hydrocarbons

Polynuclear aromatic hydrocarbons include results reported by U.S. EPA Methods 8310 and 8270-M. The reported results by U.S. EPA Method 8270M had a higher overall detection limit (60 to 80 micrograms per kilogram[µg/kg]) than those results reported by U.S. EPA Method 8310 (2 to 10 µg/kg), so U.S. EPA Method 8310 results were used in the reference-level calculations and for the comparison to the reported immunoassay results. The complete report of results for both methods are included in Appendix B. The compounds detected, other than those listed in Table 2-1 are either common laboratory contaminants or are not COPCs. The highest concentrations of PAHs reported were in sample 0650189 from Site 15. This sample location is in planter soil and shrubs bounding the parking lot of the automobile repair facility for MCAS El Toro. The next highest concentrations of PAHs reported were in sample 0650207 at Site 17. The reported PAH values are something of an anomaly in that the duplicate sample (0650208), a split of sample 0650207, does not have similarly elevated concentrations for approximately half of the PAHs detected. The discrepancy is attributed to the heterogeneity of soil despite having mixed it, since both the immunoassay methods and the fixed laboratory methods report the same discrepancy. Table 3-1 summarizes the PAH results reported by U.S. EPA Method 8310 that were used in this study.

3.1.2 TAL Metals and Dioxins

Results reported from the samples collected for TAL metals and dioxin indicate that there are no detectable quantities of dioxins or dibenzofurans. The mean concentration for metals were reported below soil background for the listed TAL elements except for selenium. The mean selenium concentration (0.46 mg/kg) is near the background value (0.32 mg/kg) value in soil and does not indicate a release or contamination situation (BNI 1996c). Table 3-2 summarizes results of U.S. EPA Method 8280 and the CLP SOW target analyte metals. Complete results are attached to this report in Appendix B.

3.2 FIELD-SCREENING RESULTS

Both the ENSYS and OHMICRON immunoassay field-screening methods were used to collect on-site PAH data for each of the twenty sampling locations. Both kits were used in accordance with U.S. EPA Method 4035 and manufacturer operating manuals. The kits provided results in a "real-time" turnaround of within 24-hours (usually less) of field sample collection. Both kits were operated by a chemist certified by the vendors

Table 3-1
Summary of U.S.EPA Method 8310 Analysis of Surface Soils

Sample Number	0650202	0650194	0650193	0650191	0650192	0650196	0650199	0650200	0650190	0650195
Location[1]	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Site 7	Site 8	Site 9	Site 10
Reported PAH value (µg/kg)										
Naphthalene	2UJ	2UJ	2UJ	2UJ	2UJ	2J	2UJ	2UJ	2UJ	2UJ
Acenaphthylene[2]	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ
Acenaphthene[2]	2UJ	2UJ	2UJ	2UJ	2UJ	3J	2UJ	2UJ	2UJ	2UJ
Fluorene[2]	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ
Phenanthrene[2]	2U	3	4	6	10	25	8	5	6	2U
Anthracene[2]	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ	2UJ
Fluoranthene[2]	3J	7J	10J	12J	19J	31J	15J	8J	16J	2J
Pyrene[2]	2	6	10	11	17	29	16	7	15	2U
Benz(a)anthracene[2, 5]	2UJ	3J	5J	5J	7J	10J	5J	2J	9J	2UJ
Chrysene[2,5]	2J	13J	10J	10J	13J	21J	12J	8J	16J	3J
Benzo(b)fluoranthene[5]	2UJ	6J	9J	10J	12J	21J	8J	6J	17J	2UJ
Benzo(k)fluoranthene[5]	2UJ	5J	9J	6J	10J	17J	6J	3J	11J	2UJ
Benzo(a)pyrene[2,5]	2UJ	6J	8J	8J	10J	16J	6J	3J	13J	2UJ
Indeno(1,2,3,-cd) pyrene[2,5]	2UJ	6J	9J	6J	8J	17J	5J	3J	11J	2J
Dibenz(a,h)anthracene[5]	2UJ	4J	4J	3J	3J	6J	2J	2UJ	5J	2UJ
Benzo(ghi)perylene	2J	8J	13J	9J	10J	22J	12J	4J	18J	4J

(Table continues)

Table 3-1 Continued

Sample Number	0650197	0650198	0650206	0650203	0650189	0650188	0650207,208	0650205	0650204	0650187
Location	Site 11	Site 12	Site 13	Site 14	Site 15	Site 16	Site 17	Site 18	Site 19	Site 20
Reported PAH value (µg/kg)							(regular & duplicate)			
Naphthylene	2UJ	2UJ	2U	2UJ	3UJ	2UJ	2UJ, 2UJ	2U	2UJ	2UJ
Acenaphthylene[2]	2UJ	2UJ	2U	2UJ	3UJ	2UJ	4J, 2J	2U	2UJ	2U[3]J[4]
Acenaphthene[2]	2UJ	2UJ	2U	2UJ	4J	2UJ	2UJ, 2UJ	2U	2UJ	2UJ
Fluorene[2]	2UJ	2UJ	2U	2UJ	3UJ	2UJ	2UJ, 2UJ	2U	2UJ	2UJ
Phenanthrene[2]	18	7	3	3	65	10	14, 11	2U	2U	2UJ
Anthracene[2]	2UJ	2UJ	2U	2UJ	8J	2UJ	2UJ, 2UJ	2U	2UJ	2UJ
Fluoranthene[2]	36J	19J	6	6J	150J	22J	75J, 26J	2U	2UJ	2UJ
Pyrene[2]	38	16	6	6	140	22	74, 27	2U	2U	2UJ
Benz(a)anthracene[2, 5]	22J	8J	2	2J	70J	10J	35, 10J	2U	2UJ	2UJ
Chrysene[2,5]	36J	12J	5	5J	100J	15J	63J, 21J	2U	2UJ	2UJ
Benzo(b)fluoranthene[5]	38J	13J	4	4J	95J	10J	48J, 16J	2U	2UJ	2UJ
Benzo(k)fluoranthene[5]	24J	9J	3	4J	100J	10J	42J, 17J	2U	2UJ	2UJ
Benzo(a)pyrene[2,5]	32J	10J	4	4J	110	10J	44J, 15J	2U	2UJ	2UJ
Indeno(1,2,3,-cd) pyrene[2,5]	25J	7J	4	4J	84J	7J	30J, 12J	2U	2UJ	2UJ
Dibenz(a,h)anthracene[5]	11J	3J	3	2UJ	30J	3J	11J, 5J	2U	2UJ	2UJ
Benzo(ghi)perylene	42J	9J	5	5J	95J	9J	32J, 12J	2U	2UJ	2UJ

Notes:

[1] See figure 1-1 for sample locations.
[2] ENSYS immunoassay kit is sensitive to this polynuclear aromatic hydrocarbon.
[3] U - Compound not detected, with detection limit shown
[4] J - Estimated quantity.
[5] OHMICRON immunoassay kit is sensitive to this carcinogenic polynuclear aromatic hydrocarbon.

Table 3-2
Summary of U.S. EPA Method 8280 and CLP SOW TAL[1] Metals Analyses of Surface Soils

Analyte	Minimum (mg/kg)[2]	Maximum (mg/kg)	Mean[3] (mg/kg)	Standard Deviation	Background (mg/kg) (BNI 1996)
Dioxins[4]	1.7E-4U[5]	1.0E-3U	n/a[6]	n/a	inorganics
Dibenzofurans[7]	1.2E-4U	5.7E-4U	n/a	n/a	only
Inorganics					
Aluminum	6360	16,400	9175	3718	14,800
Antimony	0.42UJ[8]	0.53UJ	n/a	n/a	3.06
Arsenic	1.5	5.1	3.2	1.3	6.86
Barium	75.7	166	106	33.2	173
Beryllium	0.19	0.48	0.31	0.1	0.67
Cadmium	0.06U	0.86	0.51J	0.3J	2.35
Calcium	1990	7490	4492	1818	46,000
Chromium	5.8	15.6	10.2	4.1	26.9
Cobalt	3.7	8.5	5.45	1.6	6.98
Copper	4.1	12.5	8.1	3.0	10.5
Iron	8190	19,500	12,020	3914	18,400
Lead	3.8	17.1	10.9	5.6	15.1
Magnesium	3290	7660	4627	1604	8370
Manganese	159	336	221	64	291
Mercury	nondetect results; rejected by validators				0.22
Nickel	3.6J	31.1J	11.1J	10.2J	15.3
Potassium	2770	7090	4401	1507	4890
Selenium	0.37U	0.64	0.46	0.1	0.32
Silver	0.88U	1.1U	n/a	n/a	0.54
Sodium	31.1U	39.5U	n/a	n/a	405
Thallium	0.38U	1.1U	n/a	n/a	0.42
Vanadium	20	47.2	28.5	9.7	71.8
Zinc	25.8	66.0	44.7	14.2	77.9

Notes:
1. CLP SOW TAL – contract laboratory program scope of work target analyte list
2. mg/kg – milligrams per kilogram
3. The number of samples used to calculate the mean for metals was six (n = 6).
4. Total dioxins including TCDD, PeCDD, HxCDD, and HpCDD.
5. U – Compound not detected, with detection limit shown
6. n/a – not applicable
7. Total dibenzofurans including TCDF, PeCDF, HxCDF, and HpCDF
8. J – Estimated quantity.

as capable of operating the tests and achieving reliable results. A complete list of the reported results for both immunoassay kits is presented in Section 4.2.

3.2.1 ENSYS Results

The ENSYS Field Screening kit is sensitive to a specific list of PAHs normally associated with waste oils (Appendix C). The ENSYS kit reports results as total PAHs detected greater than or less than some strategically chosen standard value. Two standards for PAHs were chosen for this study; 60 µg/kg and 275 µg/kg. These values were chosen so results could be compared to the residential and industrial soil PRG values for benzo(a)pyrene or dibenz(a,h)anthracene, the two carcinogenic PAHs with the lowest PRG values. Therefore ENSYS results have been reported as less than 60 µg/kg, greater than 60 but less than 275 µg/kg, or greater than 275 µg/kg. There were no reported values greater than 275 µg/kg. Of the 21 tests run (20 samples and a duplicate) 12 were reported as less than 60 µg/kg; the other nine were reported as greater than 60 but less than 275 µg/kg.

3.2.2 OHMICRON RaPID Assay Results

The OHMICRON RaPID Assay reports results for total carcinogenic PAHs as a sum total value without specific compounds being identified. The seven carcinogenic compounds, and the OHMICRON kit's sensitivity to them, are included in Appendix C. The reportable detection limit for the OHMICRON kit results presented in this study is 7 µg/kg, well below the residential soils PRG for any specific carcinogenic PAH.

Section 4
DATA ANALYSIS AND RECOMMENDATIONS

4.1 ANTHROPOGENIC REFERENCE LEVELS FOR PAHS

A statistical analysis of PAH values reported from surface soils at MCAS El Toro was performed as outlined in the final Work Plan (BNI 1995b) and the upper tolerance limit (UTL), as well as the 95 percent upper confidence limit (UCL) on the mean, were calculated for each compound at each location. A comparison of the data from the two fixed-base laboratory analytical methods indicated that the reference-levels should be calculated using U.S. EPA Method 8310 data because this method reported lower detection limits.

The statistical analysis was performed using only the regular validated value of each analyte for each sampling station. The establishment of the UCL of the background analyte distribution and the UTL followed a decision flowchart (BNI 1995b) that is the same as that used to calculate background metals in soils as reported in the draft final report for Site 2 (BNI 1996). The data contains numerous nondetect values. Because of the small population (20 sampling points) and the numerous nondetects for such critical compounds as benzo(a)pyrene, the calculated UTL values turned out to be inappropriate as reference levels for PAHs. The assumption that the statistical method for background metals would be appropriate for PAH reference levels was wrong, mostly because PAH compounds are not derived or distributed in the same way as naturally-occurring inorganics.

The calculation of the 95 percent UCL of the mean is more useful in determining whether MCAS El Toro has anthropogenic PAHs above the residential soil PRGs. Therefore, while UTLs have been calculated, the UCL value has been used as the MCAS El Toro reference level in surface soils (Table 4-1). The calculated reference levels do not support the hypothesis that surface soils at MCAS El Toro have anthropogenic PAHs at or above the residential soil PRGs.

4.2 COMPARISON OF IMMUNOASSAY METHODS AND FIXED-BASE ANALYSIS

The comparison of the two immunoassay methods for PAHs with the U.S. EPA Method 8310 results suggests that the immunoassay kits are viable analytical tools to collect quick preliminary data with detection limits below residential soil PRGs. The two immunoassay kits reported similar results, if the criteria for "similar" is defined as reporting results that lead to the same decision of whether soils are above or below residential PRGs. In a purely numerical comparison the immunoassay kits reported PAH values that vary a great deal when compared to each other and to the U.S. EPA Method 8310 results. But the kits should not be correlated to each other directly due to different reporting formats (a bracketed range versus a total carcinogenic PAH value), and different sensitivities to individual PAH compounds. Table 4-2 summarizes the results from each immunoassay kit and compares the reported results to the summed U.S. EPA Method 8310 values of PAHs to which the immunoassay kits are sensitive.

Table 4-1
Summary of Reported Polynuclear Aromatic Hydrocarbon Reference Levels in Shallow Soils at MCAS[a] El Toro

Compound	Residential Soil PRG[b] (mg/kg)[c]	Nondetects per 20 Samples (percent)	Distribution	Reference Level[d] (mg/kg)
Acenaphthene	360	90	nonparametric	–[e]
Acenaphthylene	no PRG listed	100	nonparametric	–
Anthracene	19	95	nonparametric	–
Benzo(a)anthracene	0.61	25	lognormal	0.022
Benzo(a)pyrene	0.061	30	lognormal	0.027
Benzo(b)-fluoranthene	0.61	35	lognormal	0.028
Benzo(g,h,i)perylene	no PRG listed	20	lognormal	0.029
Benzo(k)fluoranthene	0.61	30	lognormal	0.024
Chrysene	24	20	lognormal	0.031
Dibenz(a,h)-anthracene	0.061	40	lognormal	0.008
Fluoranthene	2600	20	lognormal	0.045
Fluorene	300	100	nonparametric	–
Indeno(1,2,3,cd)-pyrene	0.61	25	lognormal	0.021
Naphthalene	800	90	nonparametric	–
Phenanthrene	no PRG listed	15	lognormal	0.018
Pyrene	2000	10	lognormal	0.041

Notes:
[a] MCAS – Marine Corps Air Station
[b] PRG – preliminary remediation goal (U.S. EPA, 1995)
[c] mg/kg – milligrams per kilogram
[d] 'Reference Level' – the 95 percent upper confidence limit of the mean
[e] The reference level is at or below reportable quantitation limits

Table 4-2
Summary Comparison of Immunoassay and U.S. EPA Method 8310 Reported Values

Sample Number	ENSYS PAH[a] Immunoassay Results (µg/kg)[b]	Method 8310 ENSYS-Sensitive Results[c] (µg/kg)	OHMICRON CPH[d] Immunoassay Results (µg/kg)	Method 8310 OHMICRON-Sensitive Results[e] (µg/kg)	Comments
0650187	< 60	< 22J[f]	7	< 14J[f]	Compatible results
0650188	> 60, < 275	104J	95	65J	Compatible results
0650189	> 60, < 275	589J	261	< 737J	Compatible both immunoassays lower than Method 8310.
0650190	> 60, < 275	< 94J	71	82J	Compatible results
0650191	<60	< 66J	27	48J	Compatible results
0650192	> 60, < 275	93J	76	< 63J	Partially compatible results; OHMICRON confirmation result is low.
0650193	< 60	< 64J	61	54J	Compatible results
0650194	< 60	52J	51	< 43J	Compatible results
0650195	< 60	< 23J	24	< 15J	Compatible results
0650196	> 60, < 275	< 158J	176	108J	Compatible results
0650197	> 60, < 275	215J	178	188J	Compatible results
0650198	< 60	< 87J	59	62J	Marginally compatible results; 62J can be construed as a positive.
0650199	> 60, <275	< 75J	109	44J	ENSYS compatible; OHMICRON is a false positive
0650200	> 60, < 275	< 44J	65	27J	ENSYS and OHMICRON both false positives
0650202	< 60	< 23J	34	< 14J	Compatible results
0650203	< 60	< 38J	37	< 25J	Compatible results
0650204	< 60	< 22J	20	< 14J	Compatible results
0650205	< 60	< 22J	13	< 14J	Compatible results
0650206	< 60	< 38J	29	25J	Compatible results
0650207	> 60, < 275	< 345J	58	273J	False negatives - possible sample heterogeneity problems, or lab error.
0650208	> 60, < 275	< 130J	75	96J	Duplicate of 065207; compatible results

(Table continues)

Table 3-2 (continued)

NOTES:

[a] PAH - polynuclear aromatic hydrocarbon

[b] micrograms per kilogram

[c] total reported value of ENSYS-sensitive PAHs include 11 compounds detectable to below 50 milligrams per kilogram as cited in Appendix C

[d] CPH - carcinogenic polynuclear aromatic hydrocarbons

[e] total reported value of OHMICRON-sensitive PAHs including 7 carcinogenic PAH compounds as identified in U.S. EPA, 1995.

[f] compatible is defined as having all four reported values lead to the same conclusion with respect to having PAHs in soil that are below or above residential soil action levels

If proper sampling protocols (e.g. decontaminated equipment and mixing the soil sample prior to splitting aliquots between immunoassay and fixed laboratory) are followed and the immunoassay methodology procedures from U.S. EPA Method 4035 are adhered to carefully, both immunoassay kits are reliable assessment tools with the ENSYS kit applicable to a broader range of PAHs, and the OHMICRON kit specifically designed to assess carcinogenic PAHs.

4.3 DIOXIN AND METALS SAMPLES FOR THE RUNWAY PARCELS

The reported results of the three dioxin and six metals analysis are supportive of unrestricted release of the runway parcels. No dioxins or dibenzofurans were reported, and the mean metal concentrations, with the exception of selenium, are below the soil background levels reported in the draft final Phase II Remedial Investigation Report for Site 2 (BNI 1996). The mean selenium concentration at 0.46 mg/kg is near background (0.32 mg/kg).

Section 5
REFERENCES

Bechtel National, Inc. 1995a. Final Addendum to the RCRA Facility Assessment Work Plan MCAS El Toro, California. April.

———. 1995b. Final Work Plan Anthropogenic PAH Reference Level Study. Marine Corps Air Station El Toro, California. December.

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Jacobs. *See* Jacobs Engineering Group, Inc.

Jacobs Engineering Group, Inc. 1993. Marine Corps Air Station El Toro: Installation Restoration Program Phase I Remedial Investigation Draft Technical Memorandum.

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APPENDIX A

SOIL SAMPLE FORMS

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SS-065-009

SOIL SAMPLING RECORD

PAGE NO. 18

STATION ID: 065S01	STATION TYPE: Surface Soil (surf)		LOGBOOK(S)/PAGES:
SAMPLE ID: 0650202	SAMPLE TYPE: REG	MATRIX: SS	LOGBOOK(S)/PAGES:

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/20/95 END: 12/20/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201	None	079I0001	none

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 1995	TIME	COMMENTS
01	8310 8270M	GJ 8oz	None	8560	12-20	08:22	none
02	mercury Hg	RAGGY					

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/20/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 10

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065SS02	Soil - surface sample	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
065019 4	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/19/95 END: 12/19/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	065020 1		791 000 1	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12-16-95	GRAB	mixed prior to splitting.

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310/8270M	GJ 8OZ	None	8559	12/19/95	~~12:55~~ 14:00	1/5/96 None
02	Immunoassay	BAGGY	NONE	~~8559~~	12/19/95	~~12:55~~ 14:00	None
				8559			
				12/20/95			
				02 NOT on COC.			

JR 1/5/96

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 9

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655503	Surface soil SURF	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650193	REG	SS	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201	—	79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12-18-95	GRAB	Mix prior to split

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC 8859	DATE	TIME	COMMENTS
06509301	8310/8270M	GJ803	none	~~8859~~	12/19/95	1315	none
" 02	TAL metals	GJ802	↓	~~8859~~	↓	↓	↓
" 03	Immunoassay	Baggie	↓	✓	↓	↓	↓
				[illegible] 12/20/95			

PC 1/5/96

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 7

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065 SS04	SURF Surface Soil	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650191	NG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650207		7I000 1	

LAB D.O.	SAMPLING METHOD	REMARKS:
12.18.95	GRAB	mix prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310 8270M	GJ803	none	8559	12.19.95	12:15	none
02	Immunoassay	BAG61					
03	TAL metals	GJ802		8559			
				9/			
				n/ro			
				8559			

12.19.95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [signature]	DATE 12/19/95	SIGNATURE [signature] For JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 8

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065 SS05	SURF Surface Soil Sample	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
065 0122	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/19/95 END: 12/19/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	OL50201		79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12·18·95	GRAB	MIX prior to splitting.

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here**

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO	DATE 95	TIME	COMMENTS
065 0122 01	8310/8270M	GJ802	None	8559	12/19	12:40	None
02	TAL metals	GJ802		8559			
03	Immunoassay	BAGGY					
04	Dioxin	GJ803		8559			
				12/20/95			
				8559			

JC 1/5/96

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE	DATE 12/19/95	SIGNATURE	DATE 1/5/96

FOR JPL

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SOIL SAMPLING RECORD

PAGE NO. 12

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065506	Surface soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
050196	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.6

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201		79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	Mix prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 1995	TIME	COMMENTS
01	8310 \ 8270M	8036J	None	8560	12/19	1520	None
02	TAL metals	GJ803		8560			~~[illegible]~~ MS/MSD
03	Immunoassay	BAGGY		~~8560~~			None
04	DIOXINS	80[illegible] GJ		8560			MS/MSD

12/19/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

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STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065SS07	Surface soils (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650199	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201	None	79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mix prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 1995	TIME	COMMENTS
01	8270M 8310	GJ 803	None	8560	12/19	16:30	None
02	Immunoassay	BAG 607	1	X	12/19	16:30	1

12/19/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JR	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 16

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065 55 08	Surface Soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
065020	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START 12/19/95 END: Same
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	065020 1		79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/19/95	GRAB	Mix prior to Splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here**

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310 8270m	6580z	None	8560	12/19	1645	None
02	Immunoa	Bag 8002	1	X	1	1645	1

12-19-95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE	DATE 12/19/95	SIGNATURE	DATE 1/5/96

FOR JPL

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SOIL SAMPLING RECORD

PAGE NO. 6

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065S09	Surface Soil SURF	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
065090	REG	SS	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	065020 1		79L0001	

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
065 0190001	8310/8270M	GJ803	none	8559	12/19	11:15	PC 1/5/96 none
02	MMWORAL	BAG1	)	X	12/19	11:15	none

12-19-95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/89

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SOIL SAMPLING RECORD

PAGE NO. 11

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655510	Surface Soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650195	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201	—	79I 0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/16/95	GRAB	MIX PRIOR TO SPLITTING

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 1995	TIME	COMMENTS
01	8310/8270m	GJ803	None	8559	12.19	1450	None
02	TAL metals	GJ803		8559		14:50	
03	Immunoassay	BAGGY				14:50	
04	Dioxins	GJ803		8559		14:50	

12/19/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [signature]	DATE 12/19/95	SIGNATURE [signature] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 13

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065SS11	Surface Soil Sample (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650197	REG	SS	

GRID PLANE	—STATION SURVEY DATA (including units)—			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/9/95 END: 12/9/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
none	0650207		791	none

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mix prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310 8270M	6580J	none	8560	12/9/95	1550	none
02	Immunoassay	~~[illegible]~~ Baggy	1	∅	1	1550	1

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 14

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065512	(SURF) Surface Soil Sample	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
065019 8	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	065020 1		79I 000 1	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	Mix prior to Splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** JM

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310 \ 8270M	GJ 8 OZ	None	8560	12/19	16:15	None
02	IMMUNOASSAY	BAGGY	1	X	1	16:15	

12-19-95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE	DATE 12/19/95	SIGNATURE	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 22

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655513	Surface soil sample (SURF)	

SAMPLE ID	SAMPLE TYPE		MATRIX	LOGBOOK(S)/PAGES
0650206	MS	MSD	SS	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12-20-95 END: 12-20-95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
none	0650201	none	791000 1	none

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY		TYPE OF QC SAMPLE (Check one) MS/MSD
	THIS QC SAMPLE ID: 0650206 JC 1/5/96	Equip. Rinsate ☐ Duplicate ☐
	REFERENCE SAMPLE ID: 0650185-0208	Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO	DATE 1995	TIME	COMMENTS
01	8270M/8310	GJ803	none	8560	12-20	10:55	[illegible] 12/20/95 MS/MSD
02	Immunoassay	BAGGY	"		"	10:55	none

12/20/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/20/95	SIGNATURE [illegible] FOR JPC	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 19

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065 SS14	Surface Soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650203	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/20/95 END: 12/20/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650201	None	79I0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/14/95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY	~~THIS QC SAMPLE ID:~~	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
— 01	8310 / 8270M	GJ 8 OZ	None	8560	12/20	0915	None
— 02	Immuno Assay	BAGGY	None		12/20	0915	1

12/26/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/20/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 5

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065515	Surface soil / SURF	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
050189	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/19/95 END: 12/19/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	050207	—	79E 0001	

LAB D.O.	SAMPLING METHOD	REMARKS
12/18/95	GRAB	mixed prior to split

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 95	TIME	COMMENTS
01	8270M 8310	8036	None	8559	12/19	10:55	None
02	Immunoassay	HASLA	None	X	12/19	10:55	None

DATA RECORDED BY

SIGNATURE [illegible] DATE 12/19/95

CHECKED AND REVIEWED BY

SIGNATURE [illegible] DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 4

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655516	Surface Soil	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650188	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/19/95 END: 12/19/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
N/A	0650201	—	79I0001	

LAB D.O.	SAMPLING METHOD	REMARKS:
12·18·95	GRAB	Mixed prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here**

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO	DATE	TIME	COMMENTS
0650188 01	8310/8270M	8036J	None	8559	12/19/95	10:40	None
1 02	Immunoassay	60A661	1	X	1	1	1

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE	DATE 12/19/95	SIGNATURE	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 1

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655517	SURF Surface Soil Sample	NA

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0207 ~~0655517~~ 0210	RGG	SS	NA

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12·19 END: 12/19/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
N/A	0650201	~~7911~~ 0004 NR 12/19/95	79I0001	N/A

LAB D.O.	SAMPLING METHOD	REMARKS:
12·18·95	GRAB	Soil Homogenized prior to splitting

USE FOR QC SAMPLES ONLY	~~THIS QC SAMPLE ID:~~	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	~~Equip. Rinsate~~ Duplicate Field Blank ~~Source Blank~~

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
~~0655~~ 0207 01	8310/8270	803GJ	None	8559	12·19·95	09:55	None
02	metals	803 GJ	|	8559	|	|	|
03	MMMNOLSRA	BAGGIE	|	X	|	|	|

12-19-95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [signature]	DATE 12·19·95	SIGNATURE [signature] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 2

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655517	Surface Soil SURF	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650208	DUP	SS	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END: same
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
NA	0650201	—	79I0001	

LAB D.O.	SAMPLING METHOD	REMARKS:
12-18-95	GRAB	Soil mixed prior to splits

USE FOR QC SAMPLES ONLY		TYPE OF QC SAMPLE (Check one)
	THIS QC SAMPLE ID: 0650208	Equip. Rinsate ☐ Duplicate ☒
	REFERENCE SAMPLE ID: 0650207	Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C Initial Here

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
0650208 01	8310/8270M	GJ803	None	8559	12-19	09:55	None
208 02	TAL metals	GJ803		8559			
208 03	Immunoassay	PA667					

JPC 1/5/96

DATA RECORDED BY

SIGNATURE DATE 12/19/95

CHECKED AND REVIEWED BY

SIGNATURE FOR JPC DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. ~~20~~ 21

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
0655518	Surface soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650205	REG	SS	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/20/95 END: 12/20/95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
none	0650201	none	79I0001	none

LAB D.O.	SAMPLING METHOD	REMARKS:
12-18-95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY		TYPE OF QC SAMPLE (Check one)
	~~THIS QC SAMPLE ID:~~	~~Equip. Rinsate~~ ☐ Duplicate ☐
	REFERENCE SAMPLE ID:	Field Blank ☐ ~~Source Blank~~ ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO	DATE 1995	TIME	COMMENTS
01	8310 8270m	GJ803	none	8560	12/20	10:30	none
02	Immunoassay	Baggy	"	✓	"	10:30	"

12/20/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/20/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 20

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065 SS19	Surface Soil (SURF)	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650204	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12-20-95 END: 12-20-95
				SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
None	0650207	None	79IC0001	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mixed prior to splitting

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE 1995	TIME	COMMENTS
01	8310 8270m	6oz Glass	None	8560	12-20	10:00	None
02	MM UNO ASH	BAGGY	↓		↓	10:00	↓

12/20/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [signature]	DATE 12-20-95	SIGNATURE [signature] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 3

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
065520	SURF Surface Soil	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650187	REG	SS	

GRID PLANE	— STATION SURVEY DATA (including units) —			SAMPLE DATE START: 12/19 END: 12/19/95
	EASTING	NORTHING	ELEVATION	SAMPLE DEPTH (feet) BEGIN: 0.0 END: 0.5

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
N/A	0650207	—	791000 1	None

LAB D.O.	SAMPLING METHOD	REMARKS:
12/18/95	GRAB	mix prior to split.

USE FOR QC SAMPLES ONLY	THIS QC SAMPLE ID:	TYPE OF QC SAMPLE (Check one)
	REFERENCE SAMPLE ID:	Equip. Rinsate ☐ Duplicate ☐ Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C **Initial Here** [illegible]

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310 / 8270M	8 oz GJ	None	8559	12/19	10:15	None
02	Immunoassay	Baggy	None	X	12/19	10:15	1

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE [illegible]	DATE 12/19/95	SIGNATURE [illegible] FOR JPL	DATE 1/5/96

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SOIL SAMPLING RECORD

PAGE NO. 17

STATION ID	STATION TYPE	LOGBOOK(S)/PAGES
~~FQC~~ ER TRAILER JPL 1/5/96	~~RINSATE~~ (SURF) FQC	

SAMPLE ID	SAMPLE TYPE	MATRIX	LOGBOOK(S)/PAGES
0650201	RSB	~~WATER~~ BW JPL 1/5/96	

GRID PLANE	STATION SURVEY DATA (including units)			SAMPLE DATE
	EASTING	NORTHING	ELEVATION	START: 12/19/95 END:
				SAMPLE DEPTH (feet) BEGIN: NA END:

TRIP BLANK ID	EQUIP. RINSATE ID	FIELD BLANK ID	SOURCE BLANK ID	OTHER
NA	0650201		079±0001	

LAB D.O.	SAMPLING METHOD	REMARKS:
12/16/95	GRAB	WASH Trowels, Bowl

USE FOR QC SAMPLES ONLY		TYPE OF QC SAMPLE (Check one)
	THIS QC SAMPLE ID: 0650201 JPL 1/5/96	Equip. Rinsate ☒ Duplicate ☐
	REFERENCE SAMPLE ID: 0650188 - 200	Field Blank ☐ Source Blank ☐

ALL SAMPLES ARE ICED TO 4° C Initial Here JPL

CONTAINER NUMBER	ANALYSIS	CONTAINER TYPE	PRESERV.	COC NO.	DATE	TIME	COMMENTS
01	8310/8270M	GJ 32OZ	None	8560	12/19	17:00	None
02	8310/8270M	"	None	8560	|	|	|
03	TAL	1LP	HNO_3	8560	|	|	|

12/19/95

DATA RECORDED BY		CHECKED AND REVIEWED BY	
SIGNATURE	DATE 12/19/95	SIGNATURE	DATE 1/5/96

FOR JPL

APPENDIX B

ANALYTICAL RESULTS SUMMARY

Anthropogenic PAH Reference-Level Study Analytical Results

Explanation:

STATION ID:	Sampling Locations as shown in Figure 1-1
SAMPLE MATRIX:	SS - Surface Soil BW - Blank Water or Analyte-Free Water
SAMPLE TYPE:	REG - Regular grab sample RSB - Rinsate Blank DUP - Blind Duplicate
SAMPLE ID:	Sample and Container Number per CLEAN II Procedures
QUALIFIERS:	LAB and REVIEW - Data Quality Flags U - Undetected to Reportable Quantitation Limits J - Estimated B - Present in the blank N - Indicates presumptive evidence, used for TICs Z - Unidentified single peak in chromatograph E - Compound exceeds the calibration range
RESULT TYPE:	TRG - Target Compound TIC - Tentatively Identified Compound

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS01	SS	REG	0650202	12/20/95	1,2,4-TRICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	1,2-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	1,3-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	1,4-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4,6-TRICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4-DICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4-DIMETHYLPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4-DINITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,4-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2,6-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2-CHLORONAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2-CHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2-METHYLNAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	2-NITROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	3,3'-DICHLOROBENZIDINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	J	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	4-BROMOPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	4-CHLOROPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	4-NITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	ACENAPHTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	ACENAPHTHYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BENZO(A)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BENZO(A)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BENZO(B)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BENZO(GHI)PERYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BENZO(K)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BIS(2-CHLOROETHOXY)METHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BIS(2-CHLOROETHYL)ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BIS(2-CHLOROISOPROPYL) ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BIS(2-ETHYLHEXYL)PHTHALATE	93.00	UG/KG			TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	BUTYLBENZYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	CARBAZOLE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	CHRYSENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DI-N-BUTYLPHTHALATE	73.00	UG/KG	JB	UJ	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DI-N-OCTYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DIBENZO(A,H)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DIBENZOFURAN	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DIETHYLPHTHALATE	14.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DIMETHYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	FLUORENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	HEXACHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	HEXACHLOROBUTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS01	SS	REG	0650202	12/20/95	HEXACHLOROCYCLOPENTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	HEXACHLOROETHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	INDENO(1,2,3-CD)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	ISOPHORONE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-NITROSODI-N-PROPYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-NITROSODIPHENYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	NAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	NITROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	O-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	P-CHLORO-M-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	P-CHLOROANILINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	P-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PHENANTHRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	4,4'-DDE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DIMPYLATE	580.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DOCOSANE	200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	DODECANOL	620.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	HENTRIACONTANE	1500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-HEPTACOSANE	320.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-HEXACOSANE	200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-OCTACOSANE	200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	N-PENTACOSANE	260.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	NONACOSANE	830.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	310.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	PROPANOIC ACID, 3,3'-THIOBIS-, DIDODECYL ESTER	780.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	STIGMAST-4-EN-3-ONE	610.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	TETRACOSANE	260.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	TETRAHYDROPHTHALIMIDE	210.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	TRICOSANE	250.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	TRITRIACONTANE	860.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	UNKNOWN ALIPHATIC COMPOUND	980.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	UNKNOWN ALIPHATIC COMPOUND	800.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	UNKNOWN SITOSTEROL	460.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS01	SS	REG	0650202	12/20/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BENZO(A)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BENZO(A)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS01	SS	REG	0650202	12/20/95	BENZO(B)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BENZO(E)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BENZO(GHI)PERYLENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BENZO(K)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	CHRYSENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	FLUORANTHENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	INDENO(1,2,3-CD)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	PHENANTHRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
065SS01	SS	REG	0650202	12/20/95	PYRENE	2.00	UG/KG			TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	1,2,4-TRICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	1,2-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	1,3-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	1,4-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4,6-TRICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4-DICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4-DIMETHYLPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,4-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2,6-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2-CHLORONAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2-CHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2-METHYLNAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	2-NITROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	3,3'-DICHLOROBENZIDINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	4-BROMOPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	4-CHLOROPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	ACENAPHTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	ACENAPHTHYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BENZO(A)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BENZO(A)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BENZO(B)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BENZO(GHI)PERYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BENZO(K)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BIS(2-CHLOROETHOXY)METHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BIS(2-CHLOROETHYL)ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS02	SS	REG	0650194	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	50.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	BUTYLBENZYLPHTHALATE	23.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	CARBAZOLE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	CHRYSENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DI-N-BUTYLPHTHALATE	73.00	UG/KG	BJ	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DI-N-OCTYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DIBENZO(A,H)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DIBENZOFURAN	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DIETHYLPHTHALATE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DIMETHYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	FLUORANTHENE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	FLUORENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	HEXACHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	HEXACHLOROBUTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	HEXACHLOROCYCLOPENTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	HEXACHLOROETHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	INDENO(1,2,3-CD)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	ISOPHORONE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-NITROSODI-N-PROPYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-NITROSODIPHENYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	NAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	NITROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	O-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	P-CHLORO-M-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	P-CHLOROANILINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	P-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	PHENANTHRENE	4.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	PHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	PYRENE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	1-HEXACOSANOL	2000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	DODECANOL	360.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	HENTRIACONTANE	3800.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-HEPTACOSANE	1300.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-OCTACOSANE	410.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-PENTACOSANE	740.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	N-TRIACONTANE	380.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	NONACOSANE	2500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	PENTATRIACONTANE	460.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	STIGMAST-4-EN-3-ONE	600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	TRITRIACONTANE	1600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN	1000.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN ALIPHATIC ALDEHYDE	720.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN ALIPHATIC COMPOUND	810.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN C28-ALCOHOL	740.00	UG/KG	J	J	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS02	SS	REG	0650194	12/19/95	UNKNOWN SESQUITERPENE	720.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN SESQUITERPENOL	330.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN SITOSTEROL	710.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN TERPENE	600.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	UNKNOWN TERPENOL	470.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS02	SS	REG	0650194	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(A)ANTHRACENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(A)PYRENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(B)FLUORANTHENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(E)PYRENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(GHI)PERYLENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BENZO(K)FLUORANTHENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	CHRYSENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	DIBENZO(A,H)ANTHRACENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	FLUORANTHENE	7.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	INDENO(1,2,3-CD)PYRENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	PERYLENE	2.00	UG/KG	U	J	TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	PHENANTHRENE	3.00	UG/KG			TRG	NOAA PAH-SIM
065SS02	SS	REG	0650194	12/19/95	PYRENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	ALUMINUM	8090.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	ANTIMONY	0.46	MG/KG	UN	UJ	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	ARSENIC	3.40	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	BARIUM	93.80	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	BERYLLIUM	0.34	MG/KG	B		TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	CADMIUM	0.82	MG/KG	B		TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	CALCIUM	7490.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	CHROMIUM	10.20	MG/KG	*		TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	COBALT	5.20	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	COPPER	9.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	IRON	11200.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	LEAD	11.10	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	MAGNESIUM	4130.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	MANGANESE	223.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	MERCURY	0.04	MG/KG	BN	J	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	NICKEL	8.40	MG/KG	*	J	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	POTASSIUM	3650.00	MG/KG			TRG	EPA CLP

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS03	SS	REG	0650193	12/19/95	SELENIUM	0.40	MG/KG	U	U	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	SILVER	0.97	MG/KG	U	U	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	SODIUM	34.20	MG/KG	U	U	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	THALLIUM	0.68	MG/KG	B	U	TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	VANADIUM	26.00	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	ZINC	45.60	MG/KG			TRG	EPA CLP
065SS03	SS	REG	0650193	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	ACENAPHTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BENZO(A)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BENZO(A)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BENZO(B)FLUORANTHENE	72.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BENZO(GHI)PERYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BENZO(K)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	75.00	UG/KG			TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	CARBAZOLE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	CHRYSENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DI-N-BUTYLPHTHALATE	72.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DIBENZO(A,H)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS03	SS	REG	0650193	12/19/95	DIETHYLPHTHALATE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	FLUORANTHENE	10.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	INDENO(1,2,3-CD)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PHENANTHRENE	4.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PYRENE	11.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	1-HEXACOSANOL	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DODECANOL	320.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	DOTRIACONTANE	280.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	HENTRIACONTANE	2400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-HEPTACOSANE	590.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-OCTACOSANE	270.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-PENTACOSANE	400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	N-TRIACONTANE	290.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	NONACOSANE	1500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PALMITIC ACID	350.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	460.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	TRITRIACONTANE	1000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN	220.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN	260.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN	820.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN	730.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN	460.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN ALIPHATIC ALDEHYDE	220.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN ALIPHATIC COMPOUND	1000.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	UNKNOWN SITOSTEROL	440.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS03	SS	REG	0650193	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS03	SS	REG	0650193	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(A)ANTHRACENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(A)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(B)FLUORANTHENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(E)PYRENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(GHI)PERYLENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BENZO(K)FLUORANTHENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	CHRYSENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	DIBENZO(A,H)ANTHRACENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	FLUORANTHENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	INDENO(1,2,3-CD)PYRENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	PERYLENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	PHENANTHRENE	4.00	UG/KG			TRG	NOAA PAH-SIM
065SS03	SS	REG	0650193	12/19/95	PYRENE	10.00	UG/KG			TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	ALUMINUM	16400.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	ANTIMONY	0.48	MG/KG	UN	UJ	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	ARSENIC	3.70	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	BARIUM	166.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	BERYLLIUM	0.48	MG/KG	B		TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	CADMIUM	0.85	MG/KG	B		TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	CALCIUM	4680.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	CHROMIUM	15.60	MG/KG	*		TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	COBALT	8.50	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	COPPER	12.50	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	IRON	19500.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	LEAD	13.70	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	MAGNESIUM	7660.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	MANGANESE	336.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	MERCURY	0.04	MG/KG	UN	R	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	NICKEL	12.10	MG/KG	*	J	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	POTASSIUM	7090.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	SELENIUM	0.42	MG/KG	U	U	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	SILVER	1.00	MG/KG	U	U	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	SODIUM	35.60	MG/KG	U	U	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	THALLIUM	1.10	MG/KG	B	U	TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	VANADIUM	47.20	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	ZINC	66.00	MG/KG			TRG	EPA CLP
065SS04	SS	REG	0650191	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS04	SS	REG	0650191	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	ACENAPHTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BENZO(A)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BENZO(A)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BENZO(B)FLUORANTHENE	72.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BENZO(GHI)PERYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BENZO(K)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	32.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	CARBAZOLE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	CHRYSENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DI-N-BUTYLPHTHALATE	73.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DIBENZO(A,H)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DIETHYLPHTHALATE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	FLUORANTHENE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	INDENO(1,2,3-CD)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS04	SS	REG	0650191	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PHENANTHRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PYRENE	6.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	1-HEXACOSANOL	850.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	DODECANOL	320.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	HENTRIACONTANE	3900.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-HEPTACOSANE	690.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-HEXACOSANE	380.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-OCTACOSANE	400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-PENTACOSANE	570.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	N-TRIACONTANE	330.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	NONACOSANE	2500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PALMITIC ACID	320.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PENTATRIACONTANE	420.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	310.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	STIGMAST-4-EN-3-ONE	360.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	TETRACOSANE	330.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	TRITRIACONTANE	1800.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	UNKNOWN	380.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	UNKNOWN	300.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	UNKNOWN ALIPHATIC COMPOUND	370.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	UNKNOWN C28-ALCOHOL	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	UNKNOWN SITOSTEROL	460.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS04	SS	REG	0650191	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BENZO(A)ANTHRACENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BENZO(A)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BENZO(B)FLUORANTHENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BENZO(E)PYRENE	7.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BENZO(GHI)PERYLENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS04	SS	REG	0650191	12/19/95	BENZO(K)FLUORANTHENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	CHRYSENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	DIBENZO(A,H)ANTHRACENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	FLUORANTHENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	INDENO(1,2,3-CD)PYRENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	PERYLENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	PHENANTHRENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS04	SS	REG	0650191	12/19/95	PYRENE	11.00	UG/KG			TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.30	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.20	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.03	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.08	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	UJ	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.22	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	R	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.22	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.17	UG/KG	U	UJ	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.03	UG/KG	U	UJ	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.50	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.27	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.61	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.15	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	2,3,7,8-TETRACHLORODIBENZOFURAN	0.13	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	HEPTACHLORODIBENZO-P-DIOXINS	0.30	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	OCTACHLORODIBENZO-P-DIOXIN	0.38	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	OCTACHLORODIBENZOFURAN	0.23	UG/KG	U	UJ	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TETRACHLORODIBENZO-P-DIOXINS	0.15	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TETRACHLORODIBENZOFURANS	0.13	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TOTAL HPCDF	0.12	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TOTAL HXCDD	0.17	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TOTAL HXCDF	0.16	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TOTAL PECDD	1.03	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	TOTAL PECDF	0.55	UG/KG	U	U	TRG	EPA 8280
065SS05	SS	REG	0650192	12/19/95	ALUMINUM	6460.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	ANTIMONY	0.51	MG/KG	UN	UJ	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	ARSENIC	5.10	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	BARIUM	75.70	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	BERYLLIUM	0.24	MG/KG	B		TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	CADMIUM	0.06	MG/KG	U	U	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	CALCIUM	1990.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	CHROMIUM	6.90	MG/KG	*		TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	COBALT	4.40	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	COPPER	6.60	MG/KG			TRG	EPA CLP

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS05	SS	REG	0650192	12/19/95	IRON	9830.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	LEAD	15.30	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	MAGNESIUM	3360.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	MANGANESE	165.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	MERCURY	0.03	MG/KG	UN	R	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	NICKEL	5.10	MG/KG	B*	J	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	POTASSIUM	3950.00	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	SELENIUM	0.64	MG/KG	B		TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	SILVER	1.10	MG/KG	U	U	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	SODIUM	38.20	MG/KG	U	U	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	THALLIUM	0.81	MG/KG	B	U	TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	VANADIUM	22.60	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	ZINC	36.40	MG/KG			TRG	EPA CLP
065SS05	SS	REG	0650192	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(A)ANTHRACENE	7.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(A)PYRENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(B)FLUORANTHENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(E)PYRENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(GHI)PERYLENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BENZO(K)FLUORANTHENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	CHRYSENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	DIBENZO(A,H)ANTHRACENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	FLUORANTHENE	19.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	INDENO(1,2,3-CD)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	PERYLENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	PHENANTHRENE	10.00	UG/KG			TRG	NOAA PAH-SIM
065SS05	SS	REG	0650192	12/19/95	PYRENE	17.00	UG/KG			TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.30	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.21	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.03	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.08	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	UJ	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.23	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	R	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.23	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.17	UG/KG	U	UJ	TRG	EPA 8280

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STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS06	SS	REG	0650196	12/19/95	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.05	UG/KG	U	UJ	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.51	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.27	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.62	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.15	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	2,3,7,8-TETRACHLORODIBENZOFURAN	0.13	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	HEPTACHLORODIBENZO-P-DIOXINS	0.30	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	OCTACHLORODIBENZO-P-DIOXIN	0.39	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	OCTACHLORODIBENZOFURAN	0.24	UG/KG	U	UJ	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TETRACHLORODIBENZO-P-DIOXINS	0.15	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TETRACHLORODIBENZOFURANS	0.13	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TOTAL HPCDF	0.12	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TOTAL HXCDD	0.18	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TOTAL HXCDF	0.17	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TOTAL PECDD	1.05	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	TOTAL PECDF	0.56	UG/KG	U	U	TRG	EPA 8280
065SS06	SS	REG	0650196	12/19/95	ALUMINUM	9240.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	ANTIMONY	0.53	MG/KG	UN	UJ	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	ARSENIC	3.10	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	BARIUM	111.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	BERYLLIUM	0.35	MG/KG	B		TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	CADMIUM	0.86	MG/KG	B		TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	CALCIUM	4020.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	CHROMIUM	14.50	MG/KG	*		TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	COBALT	5.50	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	COPPER	9.90	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	IRON	12100.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	LEAD	17.10	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	MAGNESIUM	4570.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	MANGANESE	217.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	MERCURY	0.05	MG/KG	UN	R	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	NICKEL	31.10	MG/KG	*	J	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	POTASSIUM	3890.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	SELENIUM	0.55	MG/KG	B		TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	SILVER	1.10	MG/KG	U	U	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	SODIUM	39.50	MG/KG	U	U	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	THALLIUM	0.49	MG/KG	U	U	TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	VANADIUM	28.60	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	ZINC	55.00	MG/KG			TRG	EPA CLP
065SS06	SS	REG	0650196	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

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STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS06	SS	REG	0650196	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	ACENAPHTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BENZO(A)ANTHRACENE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BENZO(A)PYRENE	19.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BENZO(B)FLUORANTHENE	18.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BENZO(GHI)PERYLENE	22.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BENZO(K)FLUORANTHENE	27.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	42.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	CARBAZOLE	4.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	CHRYSENE	26.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DI-N-BUTYLPHTHALATE	72.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DIBENZO(A,H)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DIETHYLPHTHALATE	11.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	FLUORANTHENE	38.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	INDENO(1,2,3-CD)PYRENE	15.00	UG/KG	J	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS06	SS	REG	0650196	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PHENANTHRENE	32.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PYRENE	37.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	1-HEXACOSANOL	500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DODECANOL	350.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	DOTRIACONTANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	HENTRIACONTANE	1900.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-HEPTACOSANE	370.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-OCTACOSANE	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-PENTACOSANE	210.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	N-TRIACONTANE	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	NONACOSANE	1400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PALMITIC ACID	170.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PENTATRIACONTANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	230.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	STIGMAST-4-EN-3-ONE	140.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	TRITRIACONTANE	810.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN	120.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN ALIPHATIC COMPOUND	250.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN ALIPHATIC COMPOUND	150.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN ALKANE	250.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN C28-ALCOHOL	130.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	UNKNOWN SITOSTEROL	210.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS06	SS	REG	0650196	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	1-METHYLPHENANTHRENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	ACENAPHTHENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(A)ANTHRACENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(A)PYRENE	16.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(B)FLUORANTHENE	21.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(E)PYRENE	17.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(GHI)PERYLENE	22.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BENZO(K)FLUORANTHENE	17.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	CHRYSENE	21.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	DIBENZO(A,H)ANTHRACENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS06	SS	REG	0650196	12/19/95	FLUORANTHENE	31.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	INDENO(1,2,3-CD)PYRENE	17.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	NAPHTHALENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	PERYLENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	PHENANTHRENE	25.00	UG/KG			TRG	NOAA PAH-SIM
065SS06	SS	REG	0650196	12/19/95	PYRENE	29.00	UG/KG			TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	1,2,4-TRICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	1,2-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	1,3-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	1,4-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4,6-TRICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4-DICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4-DIMETHYLPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,4-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2,6-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2-CHLORONAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2-CHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2-METHYLNAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	2-NITROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	3,3'-DICHLOROBENZIDINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	4-BROMOPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	4-CHLOROPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	ACENAPHTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	ACENAPHTHYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BENZO(A)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BENZO(A)PYRENE	11.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BENZO(B)FLUORANTHENE	14.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BENZO(GHI)PERYLENE	25.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BENZO(K)FLUORANTHENE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BIS(2-CHLOROETHOXY)METHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BIS(2-CHLOROETHYL)ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	110.00	UG/KG			TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	BUTYLBENZYLPHTHALATE	34.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	CARBAZOLE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	CHRYSENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DI-N-BUTYLPHTHALATE	69.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DI-N-OCTYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DIBENZO(A,H)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS07	SS	REG	0650199	12/19/95	DIBENZOFURAN	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DIETHYLPHTHALATE	13.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DIMETHYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	FLUORANTHENE	23.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	FLUORENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	HEXACHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	HEXACHLOROBUTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	HEXACHLOROCYCLOPENTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	HEXACHLOROETHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	INDENO(1,2,3-CD)PYRENE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	ISOPHORONE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-NITROSODI-N-PROPYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-NITROSODIPHENYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	NAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	NITROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	O-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	P-CHLORO-M-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	P-CHLOROANILINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	P-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	PHENANTHRENE	14.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	PHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	PYRENE	18.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DODECANOL	350.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	DOTRIACONTANE	510.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	HENTRIACONTANE	2000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-HEPTACOSANE	580.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-HEXACOSANE	350.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-OCTACOSANE	540.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-PENTACOSANE	590.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	N-TRIACONTANE	490.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	NONACOSANE	1500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	STIGMAST-4-EN-3-ONE	340.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	TETRACOSANE	340.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	TRICOSANE	280.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	TRITRIACONTANE	890.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN	340.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN ALIPHATIC COMPOUND	1000.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN ALKANE	340.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN SESQUITERPENE	850.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN SESQUITERPENOL	870.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN SITOSTEROL	460.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	UNKNOWN TERPENOL	500.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS07	SS	REG	0650199	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS07	SS	REG	0650199	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(A)ANTHRACENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(A)PYRENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(B)FLUORANTHENE	8.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(E)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(GHI)PERYLENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BENZO(K)FLUORANTHENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	CHRYSENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	FLUORANTHENE	15.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	INDENO(1,2,3-CD)PYRENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	PHENANTHRENE	8.00	UG/KG			TRG	NOAA PAH-SIM
065SS07	SS	REG	0650199	12/19/95	PYRENE	16.00	UG/KG			TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	ACENAPHTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS08	SS	REG	0650200	12/19/95	BENZO(A)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BENZO(A)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BENZO(B)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BENZO(GHI)PERYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BENZO(K)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	33.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	CARBAZOLE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	CHRYSENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DI-N-BUTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DIBENZO(A,H)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DIETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	INDENO(1,2,3-CD)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	PHENANTHRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	4,8,12,16-TETRAMETHYLHEPTADECAN-4-OLIDE	1300.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	HENTRIACONTANE	1200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-HEPTACOSANE	1800.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-HEXACOSANE	510.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-OCTACOSANE	610.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	N-PENTACOSANE	1300.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	NONACOSANE	3100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	TETRACOSANE	500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	580.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	1500.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	3300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	1000.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	1000.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN	800.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN SESQUITERPENE	3800.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN SESQUITERPENE	510.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN SESQUITERPENE	660.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN SESQUITERPENOL	1400.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN SITOSTEROL	580.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	UNKNOWN TERPENOL	5500.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS08	SS	REG	0650200	12/19/95	1-METHYL NAPHTHALENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(A)ANTHRACENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(A)PYRENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(B)FLUORANTHENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(E)PYRENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(GHI)PERYLENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BENZO(K)FLUORANTHENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	CHRYSENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	FLUORANTHENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	INDENO(1,2,3-CD)PYRENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	PHENANTHRENE	5.00	UG/KG			TRG	NOAA PAH-SIM
065SS08	SS	REG	0650200	12/19/95	PYRENE	7.00	UG/KG			TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	1,2,4-TRICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	1,2-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	1,3-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	1,4-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4,6-TRICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4-DICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4-DIMETHYLPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2,4-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS09	SS	REG	0650190	12/19/95	2,6-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2-CHLORONAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2-CHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2-METHYLNAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	2-NITROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	3,3'-DICHLOROBENZIDINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	4-BROMOPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	4-CHLOROPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	ACENAPHTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	ACENAPHTHYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BENZO(A)ANTHRACENE	14.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BENZO(A)PYRENE	18.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BENZO(B)FLUORANTHENE	21.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BENZO(GHI)PERYLENE	20.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BENZO(K)FLUORANTHENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BIS(2-CHLOROETHOXY)METHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BIS(2-CHLOROETHYL)ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	81.00	UG/KG			TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	BUTYLBENZYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	CARBAZOLE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	CHRYSENE	24.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DI-N-BUTYLPHTHALATE	73.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DI-N-OCTYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DIBENZO(A,H)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DIBENZOFURAN	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DIETHYLPHTHALATE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DIMETHYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	FLUORANTHENE	33.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	FLUORENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	HEXACHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	HEXACHLOROBUTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	HEXACHLOROCYCLOPENTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	HEXACHLOROETHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	INDENO(1,2,3-CD)PYRENE	15.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	ISOPHORONE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	N-NITROSODI-N-PROPYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	N-NITROSODIPHENYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	NAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	NITROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	O-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	P-CHLORO-M-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

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STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS09	SS	REG	0650190	12/19/95	P-CHLOROANILINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	P-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	PHENANTHRENE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	PHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	PYRENE	26.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	1-HEXACOSANOL	370.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	CHLOROPHENOTHANE	1300.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	DODECANOL	360.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	HENTRIACONTANE	2000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	N-HEPTACOSANE	760.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	NONACOSANE	1600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	PALMITIC ACID	900.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	STIGMAST-4-EN-3-ONE	420.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	STIGMASTEROL	360.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	TRITRIACONTANE	780.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN	630.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN	410.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN	520.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN	430.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN ALIPHATIC COMPOUND	620.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN HEXADECENOIC ACID	440.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN POLYTERPENE DERIVATIVE	320.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN POLYTERPENE DERIVATIVE	940.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	UNKNOWN SITOSTEROL	650.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS09	SS	REG	0650190	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(A)ANTHRACENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(A)PYRENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(B)FLUORANTHENE	17.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(E)PYRENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(GHI)PERYLENE	18.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BENZO(K)FLUORANTHENE	11.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	CHRYSENE	16.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	DIBENZO(A,H)ANTHRACENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	FLUORANTHENE	16.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

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STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS09	SS	REG	0650190	12/19/95	INDENO(1,2,3-CD)PYRENE	11.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	PERYLENE	15.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	PHENANTHRENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS09	SS	REG	0650190	12/19/95	PYRENE	15.00	UG/KG			TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	0.30	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0.21	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0.03	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.08	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	UJ	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0.23	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0.11	UG/KG	U	R	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0.23	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0.17	UG/KG	U	UJ	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	1.05	UG/KG	U	UJ	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0.51	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0.27	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0.62	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	0.15	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	2,3,7,8-TETRACHLORODIBENZOFURAN	0.13	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	HEPTACHLORODIBENZO-P-DIOXINS	0.30	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	OCTACHLORODIBENZO-P-DIOXIN	0.39	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	OCTACHLORODIBENZOFURAN	0.24	UG/KG	U	UJ	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TETRACHLORODIBENZO-P-DIOXINS	0.15	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TETRACHLORODIBENZOFURANS	0.13	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TOTAL HPCDF	0.12	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TOTAL HXCDD	0.18	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TOTAL HXCDF	0.17	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TOTAL PECDD	1.05	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	TOTAL PECDF	0.57	UG/KG	U	U	TRG	EPA 8280
065SS10	SS	REG	0650195	12/19/95	ALUMINUM	8500.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	ANTIMONY	0.51	MG/KG	UN	UJ	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	ARSENIC	2.20	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	BARIUM	112.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	BERYLLIUM	0.28	MG/KG	B		TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	CADMIUM	0.42	MG/KG	B		TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	CALCIUM	3680.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	CHROMIUM	8.20	MG/KG	*		TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	COBALT	5.40	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	COPPER	6.40	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	IRON	11300.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	LEAD	3.80	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	MAGNESIUM	4750.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	MANGANESE	223.00	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	MERCURY	0.03	MG/KG	UN	R	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	NICKEL	6.10	MG/KG	B*	J	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	POTASSIUM	5060.00	MG/KG			TRG	EPA CLP

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS10	SS	REG	0650195	12/19/95	SELENIUM	0.45	MG/KG	U	U	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	SILVER	1.10	MG/KG	U	U	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	SODIUM	37.90	MG/KG	U	U	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	THALLIUM	0.69	MG/KG	B	U	TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	VANADIUM	26.70	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	ZINC	39.90	MG/KG			TRG	EPA CLP
065SS10	SS	REG	0650195	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	ACENAPHTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BENZO(A)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BENZO(A)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BENZO(B)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BENZO(GHI)PERYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BENZO(K)FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	37.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	CARBAZOLE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	CHRYSENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DI-N-BUTYLPHTHALATE	72.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DIBENZO(A,H)ANTHRACENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS10	SS	REG	0650195	12/19/95	DIETHYLPHTHALATE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	FLUORANTHENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	INDENO(1,2,3-CD)PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PHENANTHRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PYRENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	1-HEXACOSANOL	240.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DODECANOL	360.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	DOTRIACONTANE	120.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	HENTRIACONTANE	1500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-HEPTACOSANE	420.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-HEXACOSANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-OCTACOSANE	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-PENTACOSANE	300.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	N-TRIACONTANE	160.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	NONACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PALMITIC ACID	160.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	220.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	STIGMAST-4-EN-3-ONE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	TETRACOSANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	TRITRIACONTANE	650.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	UNKNOWN	960.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	UNKNOWN	140.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	UNKNOWN ALIPHATIC COMPOUND	230.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	UNKNOWN ALIPHATIC COMPOUND	410.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	UNKNOWN SITOSTEROL	180.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS10	SS	REG	0650195	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS10	SS	REG	0650195	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(A)ANTHRACENE	2.00	UG/KG	U	J	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(A)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(B)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(E)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(GHI)PERYLENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BENZO(K)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	CHRYSENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	FLUORANTHENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	INDENO(1,2,3-CD)PYRENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	PHENANTHRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
065SS10	SS	REG	0650195	12/19/95	PYRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	1,2,4-TRICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	1,2-DICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	1,3-DICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	1,4-DICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4,6-TRICHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4-DICHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4-DIMETHYLPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,4-DINITROTOLUENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2,6-DINITROTOLUENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2-CHLORONAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2-CHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2-METHYLNAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	2-NITROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	3,3'-DICHLOROBENZIDINE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	4-BROMOPHENYLPHENYLETHER	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	4-CHLOROPHENYLPHENYLETHER	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	ACENAPHTHENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	ACENAPHTHYLENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	ANTHRACENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BENZO(A)ANTHRACENE	16.00	UG/KG	J	J	TRG	EPA CLP/OLM

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STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS11	SS	REG	0650197	12/19/95	BENZO(A)PYRENE	21.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BENZO(B)FLUORANTHENE	29.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BENZO(GHI)PERYLENE	37.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BENZO(K)FLUORANTHENE	28.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BIS(2-CHLOROETHOXY)METHANE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BIS(2-CHLOROETHYL)ETHER	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	120.00	UG/KG			TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	BUTYLBENZYLPHTHALATE	38.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	CARBAZOLE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	CHRYSENE	29.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DI-N-BUTYLPHTHALATE	70.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DI-N-OCTYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DIBENZO(A,H)ANTHRACENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DIBENZOFURAN	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DIETHYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DIMETHYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	FLUORANTHENE	38.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	FLUORENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	HEXACHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	HEXACHLOROBUTADIENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	HEXACHLOROCYCLOPENTADIENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	HEXACHLOROETHANE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	INDENO(1,2,3-CD)PYRENE	22.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	ISOPHORONE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-NITROSODI-N-PROPYLAMINE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-NITROSODIPHENYLAMINE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	NAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	NITROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	O-CRESOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	P-CHLORO-M-CRESOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	P-CHLOROANILINE	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	P-CRESOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	PHENANTHRENE	16.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	PHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	PYRENE	38.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	1-HEXACOSANOL	310.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DODECANOL	320.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	DOTRIACONTANE	330.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	HENTRIACONTANE	2000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-HEPTACOSANE	1200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-HEXACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-OCTACOSANE	640.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-PENTACOSANE	1400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	N-TRIACONTANE	370.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS11	SS	REG	0650197	12/19/95	NONACOSANE	1600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	PALMITIC ACID	340.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	STIGMAST-4-EN-3-ONE	410.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	TETRACOSANE	980.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	TRICOSANE	590.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	TRITRIACONTANE	840.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	UNKNOWN	420.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	UNKNOWN	1100.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	UNKNOWN ALIPHATIC COMPOUND	350.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	UNKNOWN C28-ALCOHOL	320.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	UNKNOWN SITOSTEROL	420.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS11	SS	REG	0650197	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(A)ANTHRACENE	22.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(A)PYRENE	32.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(B)FLUORANTHENE	38.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(E)PYRENE	34.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(GHI)PERYLENE	42.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BENZO(K)FLUORANTHENE	24.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	CHRYSENE	36.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	DIBENZO(A,H)ANTHRACENE	11.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	FLUORANTHENE	36.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	INDENO(1,2,3-CD)PYRENE	25.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	NAPHTHALENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	PERYLENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	PHENANTHRENE	18.00	UG/KG			TRG	NOAA PAH-SIM
065SS11	SS	REG	0650197	12/19/95	PYRENE	38.00	UG/KG			TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	1,2,4-TRICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	1,2-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	1,3-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	1,4-DICHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4,6-TRICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4-DICHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4-DIMETHYLPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,4-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2,6-DINITROTOLUENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS12	SS	REG	0650198	12/19/95	2-CHLORONAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2-CHLOROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2-METHYLNAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	2-NITROPHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	3,3'-DICHLOROBENZIDINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	4-BROMOPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	4-CHLOROPHENYLPHENYLETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	ACENAPHTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	ACENAPHTHYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BENZO(A)ANTHRACENE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BENZO(A)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BENZO(B)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BENZO(GHI)PERYLENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BENZO(K)FLUORANTHENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BIS(2-CHLOROETHOXY)METHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BIS(2-CHLOROETHYL)ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	450.00	UG/KG			TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	BUTYLBENZYLPHTHALATE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	CARBAZOLE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	CHRYSENE	13.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DI-N-BUTYLPHTHALATE	73.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DI-N-OCTYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DIBENZO(A,H)ANTHRACENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DIBENZOFURAN	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DIETHYLPHTHALATE	10.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	DIMETHYLPHTHALATE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	FLUORANTHENE	19.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	FLUORENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	HEXACHLOROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	HEXACHLOROBUTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	HEXACHLOROCYCLOPENTADIENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	HEXACHLOROETHANE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	INDENO(1,2,3-CD)PYRENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	ISOPHORONE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-NITROSODI-N-PROPYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-NITROSODIPHENYLAMINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	NAPHTHALENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	NITROBENZENE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	O-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	P-CHLORO-M-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	P-CHLOROANILINE	73.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS12	SS	REG	0650198	12/19/95	P-CRESOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	PHENANTHRENE	6.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	PHENOL	73.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	PYRENE	14.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	HENTRIACONTANE	1400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-HEPTACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-HEXACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-OCTACOSANE	720.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-PENTACOSANE	1400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	N-TRIACONTANE	320.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	NONACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	STIGMAST-4-EN-3-ONE	770.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	STIGMASTEROL	410.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	TETRACOSANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	TRICOSANE	560.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	TRITRIACONTANE	730.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN	950.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN ALIPHATIC ALDEHYDE	320.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN ALIPHATIC ALDEHYDE	460.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN ALIPHATIC COMPOUND	1000.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN C28-ALCOHOL	1300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN POLYTERPENE DERIVATIVE	360.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	UNKNOWN SITOSTEROL	890.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS12	SS	REG	0650198	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(A)ANTHRACENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(A)PYRENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(B)FLUORANTHENE	13.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(E)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(GHI)PERYLENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BENZO(K)FLUORANTHENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	CHRYSENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	DIBENZO(A,H)ANTHRACENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	FLUORANTHENE	19.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	INDENO(1,2,3-CD)PYRENE	7.00	UG/KG		J	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS12	SS	REG	0650198	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	PERYLENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	PHENANTHRENE	7.00	UG/KG			TRG	NOAA PAH-SIM
065SS12	SS	REG	0650198	12/19/95	PYRENE	16.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	1,2,4-TRICHLOROBENZENE	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1,2-DICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1,3-DICHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1,4-DICHLOROBENZENE	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4,6-TRICHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4-DICHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4-DIMETHYLPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,4-DINITROTOLUENE	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2,6-DINITROTOLUENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2-CHLORONAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2-CHLOROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2-METHYLNAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	2-NITROPHENOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	3,3'-DICHLOROBENZIDINE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	4-BROMOPHENYLPHENYLETHER	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	4-CHLOROPHENYLPHENYLETHER	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	ACENAPHTHENE	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	ACENAPHTHYLENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	ANTHRACENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BENZO(A)ANTHRACENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BENZO(A)PYRENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BENZO(B)FLUORANTHENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BENZO(GHI)PERYLENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BENZO(K)FLUORANTHENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BIS(2-CHLOROETHOXY)METHANE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BIS(2-CHLOROETHYL)ETHER	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BIS(2-CHLOROISOPROPYL) ETHER	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BIS(2-ETHYLHEXYL)PHTHALATE	70.00	UG/KG	JB	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	BUTYLBENZYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	CARBAZOLE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	CHRYSENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DI-N-BUTYLPHTHALATE	70.00	UG/KG	JB	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DI-N-OCTYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DIBENZO(A,H)ANTHRACENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DIBENZOFURAN	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DIETHYLPHTHALATE	70.00	UG/KG	JB	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DIMETHYLPHTHALATE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS13	SS	MSD	0650206	12/20/95	FLUORANTHENE	6.00	UG/KG	J	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	FLUORENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	HEXACHLOROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	HEXACHLOROBUTADIENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	HEXACHLOROCYCLOPENTADIENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	HEXACHLOROETHANE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	INDENO(1,2,3-CD)PYRENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	ISOPHORONE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-NITROSODI-N-PROPYLAMINE	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-NITROSODIPHENYLAMINE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	NAPHTHALENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	NITROBENZENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	O-CRESOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	P-CHLORO-M-CRESOL	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	P-CHLOROANILINE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	P-CRESOL	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	PHENANTHRENE	70.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	PHENOL	70.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	PYRENE	6.00	UG/KG	J	UJ	TRG	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1-HEXACOSANOL	240.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1-TETRACOSANOL	230.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	DODECANOL	390.00	UG/KG	NJB	U	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	HENTRIACONTANE	1700.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-HEPTACOSANE	680.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-HEXACOSANE	210.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-OCTACOSANE	320.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	N-PENTACOSANE	400.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	NONACOSANE	2900.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	STIGMAST-4-EN-3-ONE	320.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	TRITRIACONTANE	560.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN	280.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC ALDEHYDE	300.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC COMPOUND	230.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC COMPOUND	230.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC COMPOUND	480.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC KETONE	520.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN ALIPHATIC KETONE	200.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN C28-ALCOHOL	1700.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	UNKNOWN SITOSTEROL	510.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS13	SS	MSD	0650206	12/20/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	ACENAPHTHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS13	SS	MSD	0650206	12/20/95	ACENAPHTHYLENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	ANTHRACENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(A)ANTHRACENE	2.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(A)PYRENE	4.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(B)FLUORANTHENE	4.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(E)PYRENE	4.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(GHI)PERYLENE	5.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BENZO(K)FLUORANTHENE	3.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	BIPHENYL	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	CHRYSENE	5.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	DIBENZO(A,H)ANTHRACENE	3.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	FLUORANTHENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	FLUORENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	INDENO(1,2,3-CD)PYRENE	4.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	NAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	PERYLENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	PHENANTHRENE	3.00	UG/KG			TRG	NOAA PAH-SIM
065SS13	SS	MSD	0650206	12/20/95	PYRENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	1,2,4-TRICHLOROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	1,2-DICHLOROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	1,3-DICHLOROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	1,4-DICHLOROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4,5-TRICHLOROPHENOL	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4,6-TRICHLOROPHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4-DICHLOROPHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4-DIMETHYLPHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4-DINITROPHENOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,4-DINITROTOLUENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2,6-DINITROTOLUENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2-CHLORONAPHTHALENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2-CHLOROPHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2-METHYLNAPHTHALENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	2-NITROPHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	3,3'-DICHLOROBENZIDINE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	3-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	4,6-DINITRO-O-CRESOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	4-BROMOPHENYLPHENYLETHER	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	4-CHLOROPHENYLPHENYLETHER	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	4-NITROPHENOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	ACENAPHTHENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	ACENAPHTHYLENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	ANTHRACENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BENZO(A)ANTHRACENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BENZO(A)PYRENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BENZO(B)FLUORANTHENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS14	SS	REG	0650203	12/20/95	BENZO(GHI)PERYLENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BENZO(K)FLUORANTHENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BIS(2-CHLOROETHOXY)METHANE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BIS(2-CHLOROETHYL)ETHER	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BIS(2-CHLOROISOPROPYL) ETHER	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BIS(2-ETHYLHEXYL)PHTHALATE	47.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	BUTYLBENZYLPHTHALATE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	CARBAZOLE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	CHRYSENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DI-N-BUTYLPHTHALATE	78.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DI-N-OCTYLPHTHALATE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DIBENZO(A,H)ANTHRACENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DIBENZOFURAN	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DIETHYLPHTHALATE	10.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DIMETHYLPHTHALATE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	FLUORANTHENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	FLUORENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	HEXACHLOROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	HEXACHLOROBUTADIENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	HEXACHLOROCYCLOPENTADIENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	HEXACHLOROETHANE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	INDENO(1,2,3-CD)PYRENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	ISOPHORONE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-NITROSODI-N-PROPYLAMINE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-NITROSODIPHENYLAMINE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	NAPHTHALENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	NITROBENZENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	O-CRESOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	P-CHLORO-M-CRESOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	P-CHLOROANILINE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	P-CRESOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	P-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	PENTACHLOROPHENOL	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	PHENANTHRENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	PHENOL	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	PYRENE	78.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	1-HEXACOSANOL	1800.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	DOTRIACONTANE	310.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	ERGOST-5-EN-3-OL, (3.BETA.)-	510.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	HENTRIACONTANE	2500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-HEPTACOSANE	1200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-HEXACOSANE	450.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-OCTACOSANE	370.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	N-PENTACOSANE	880.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	NONACOSANE	2600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	PALMITIC ACID	990.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	STIGMAST-4-EN-3-ONE	540.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS14	SS	REG	0650203	12/20/95	TETRACOSANE	360.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	TRITRIACONTANE	980.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN	330.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN ALIPHATIC COMPOUND	780.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN ALIPHATIC COMPOUND	620.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN C28-ALCOHOL	1300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN HEXADECENOIC ACID	510.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	UNKNOWN POLYTERPENE DERIVATIVE	840.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS14	SS	REG	0650203	12/20/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(A)ANTHRACENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(A)PYRENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(B)FLUORANTHENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(E)PYRENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(GHI)PERYLENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BENZO(K)FLUORANTHENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	CHRYSENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	FLUORANTHENE	6.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	INDENO(1,2,3-CD)PYRENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	PHENANTHRENE	3.00	UG/KG			TRG	NOAA PAH-SIM
065SS14	SS	REG	0650203	12/20/95	PYRENE	6.00	UG/KG			TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	1,2,4-TRICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	1,2-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	1,3-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	1,4-DICHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4,5-TRICHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4,6-TRICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4-DICHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4-DIMETHYLPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4-DINITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,4-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2,6-DINITROTOLUENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2-CHLORONAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2-CHLOROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS15	SS	REG	0650189	12/19/95	2-METHYLNAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	2-NITROPHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	3,3'-DICHLOROBENZIDINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	3-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	4,6-DINITRO-O-CRESOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	4-BROMOPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	4-CHLOROPHENYLPHENYLETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	4-NITROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	ACENAPHTHENE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	ACENAPHTHYLENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	ANTHRACENE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BENZO(A)ANTHRACENE	66.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BENZO(A)PYRENE	72.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BENZO(B)FLUORANTHENE	64.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BENZO(GHI)PERYLENE	66.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BENZO(K)FLUORANTHENE	74.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BIS(2-CHLOROETHOXY)METHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BIS(2-CHLOROETHYL)ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	86.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	BUTYLBENZYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	CARBAZOLE	13.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	CHRYSENE	95.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DI-N-BUTYLPHTHALATE	4.00	UG/KG	JB	UJ	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DI-N-OCTYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DIBENZO(A,H)ANTHRACENE	22.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DIBENZOFURAN	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DIETHYLPHTHALATE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DIMETHYLPHTHALATE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	FLUORANTHENE	160.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	FLUORENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	HEXACHLOROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	HEXACHLOROBUTADIENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	HEXACHLOROCYCLOPENTADIENE	72.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	HEXACHLOROETHANE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	INDENO(1,2,3-CD)PYRENE	59.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	ISOPHORONE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-NITROSODI-N-PROPYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-NITROSODIPHENYLAMINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	NAPHTHALENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	NITROBENZENE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	O-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	P-CHLORO-M-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	P-CHLOROANILINE	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	P-CRESOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	P-NITROANILINE	180.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS15	SS	REG	0650189	12/19/95	PENTACHLOROPHENOL	180.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	PHENANTHRENE	81.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	PHENOL	72.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	PYRENE	160.00	UG/KG			TRG	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DODECANOL	220.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	DOTRIACONTANE	120.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	HENTRIACONTANE	760.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-HEPTACOSANE	380.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-HEXACOSANE	170.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-OCTACOSANE	210.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-PENTACOSANE	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	N-TRIACONTANE	170.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	NONACOSANE	950.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	PROPANOIC ACID, 3,3'-THIOBIS-, DIDODECYL ESTER	200.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	TETRACOSANE	120.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	TRICOSANE	140.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	TRITRIACONTANE	200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN	140.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN	150.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN	180.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN	130.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN ALIPHATIC COMPOUND	530.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN C28-ALCOHOL	130.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	UNKNOWN SITOSTEROL	120.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS15	SS	REG	0650189	12/19/95	1-METHYL NAPHTHALENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	1-METHYLPHENANTHRENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	2,6-DIMETHYLNAPHTHALENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	2-METHYLNAPHTHALENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	ACENAPHTHENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	ACENAPHTHYLENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	ANTHRACENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(A)ANTHRACENE	70.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(A)PYRENE	110.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(B)FLUORANTHENE	95.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(E)PYRENE	76.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(GHI)PERYLENE	95.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BENZO(K)FLUORANTHENE	100.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	BIPHENYL	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	CHRYSENE	100.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	DIBENZO(A,H)ANTHRACENE	30.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	DIBENZOTHIOPHENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	FLUORANTHENE	150.00	UG/KG			TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	FLUORENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	INDENO(1,2,3-CD)PYRENE	84.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	NAPHTHALENE	3.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	PERYLENE	29.00	UG/KG		J	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS15	SS	REG	0650189	12/19/95	PHENANTHRENE	65.00	UG/KG			TRG	NOAA PAH-SIM
065SS15	SS	REG	0650189	12/19/95	PYRENE	140.00	UG/KG			TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	1,2,4-TRICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	1,2-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	1,3-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	1,4-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4,6-TRICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4-DICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4-DIMETHYLPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,4-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2,6-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2-CHLORONAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2-CHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2-METHYLNAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	2-NITROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	3,3'-DICHLOROBENZIDINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	4-BROMOPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	4-CHLOROPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	ACENAPHTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	ACENAPHTHYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BENZO(A)ANTHRACENE	14.00	UG/KG	J	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BENZO(A)PYRENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BENZO(B)FLUORANTHENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BENZO(GHI)PERYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BENZO(K)FLUORANTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BIS(2-CHLOROETHOXY)METHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BIS(2-CHLOROETHYL)ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	130.00	UG/KG			TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	BUTYLBENZYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	CARBAZOLE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	CHRYSENE	20.00	UG/KG	J	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DI-N-BUTYLPHTHALATE	64.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DI-N-OCTYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DIBENZO(A,H)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DIBENZOFURAN	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DIETHYLPHTHALATE	11.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DIMETHYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	FLUORANTHENE	28.00	UG/KG	J	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	FLUORENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS16	SS	REG	0650188	12/19/95	HEXACHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	HEXACHLOROBUTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	HEXACHLOROCYCLOPENTADIENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	HEXACHLOROETHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	INDENO(1,2,3-CD)PYRENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	ISOPHORONE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	N-NITROSODI-N-PROPYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	N-NITROSODIPHENYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	NAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	NITROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	O-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	P-CHLORO-M-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	P-CHLOROANILINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	P-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	PHENANTHRENE	21.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	PHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	PYRENE	31.00	UG/KG	J	U	TRG	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	1-HEXACOSANOL	760.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	DODECANOL	310.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	HENTRIACONTANE	1900.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	N-HEPTACOSANE	460.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	N-OCTACOSANE	530.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	N-PENTACOSANE	440.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	NONACOSANE	2400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	STIGMAST-4-EN-3-ONE	400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	TRITRIACONTANE	760.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN	630.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN	1500.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN ALIPHATIC COMPOUND	400.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN C28-ALCOHOL	630.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN POLYTERPENE DERIVATIVE	1000.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN SESQUITERPENE	2600.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN SESQUITERPENOL	2300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN SESQUITERPENOL	470.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN SITOSTEROL	510.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN TERPENE	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	UNKNOWN TERPENOL	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS16	SS	REG	0650188	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS16	SS	REG	0650188	12/19/95	BENZO(A)ANTHRACENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BENZO(A)PYRENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BENZO(B)FLUORANTHENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BENZO(E)PYRENE	8.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BENZO(GHI)PERYLENE	9.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BENZO(K)FLUORANTHENE	10.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	CHRYSENE	15.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	DIBENZO(A,H)ANTHRACENE	3.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	FLUORANTHENE	22.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	INDENO(1,2,3-CD)PYRENE	7.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	PERYLENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	PHENANTHRENE	10.00	UG/KG			TRG	NOAA PAH-SIM
065SS16	SS	REG	0650188	12/19/95	PYRENE	22.00	UG/KG			TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	ALUMINUM	5060.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	ALUMINUM	6360.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	ANTIMONY	0.48	MG/KG	UN	J	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	ANTIMONY	0.42	MG/KG	UN	UJ	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	ARSENIC	1.40	MG/KG	B		TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	ARSENIC	1.50	MG/KG	B		TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	BARIUM	77.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	BARIUM	78.20	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	BERYLLIUM	0.16	MG/KG	B		TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	BERYLLIUM	0.19	MG/KG	B		TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	CADMIUM	0.26	MG/KG	B	U	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	CADMIUM	0.29	MG/KG	B	U	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	CALCIUM	4870.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	CALCIUM	5090.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	CHROMIUM	5.00	MG/KG	*		TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	CHROMIUM	5.80	MG/KG	*		TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	COBALT	3.40	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	COBALT	3.70	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	COPPER	3.60	MG/KG	B		TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	COPPER	4.10	MG/KG	B		TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	IRON	7040.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	IRON	8190.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	LEAD	4.10	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	LEAD	4.40	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	MAGNESIUM	2970.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	MAGNESIUM	3290.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	MANGANESE	158.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	MANGANESE	159.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	MERCURY	0.04	MG/KG	UN	R	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	MERCURY	0.04	MG/KG	UN	R	TRG	EPA CLP

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS17	SS	DUP	0650208	12/19/95	NICKEL	3.50	MG/KG	B*	J	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	NICKEL	3.60	MG/KG	B*	J	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	POTASSIUM	2690.00	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	POTASSIUM	2770.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	SELENIUM	0.42	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	SELENIUM	0.37	MG/KG	U	J	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	SILVER	1.00	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	SILVER	0.88	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	SODIUM	35.60	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	SODIUM	31.10	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	THALLIUM	0.44	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	THALLIUM	0.38	MG/KG	U	U	TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	VANADIUM	16.60	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	VANADIUM	20.00	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	ZINC	24.90	MG/KG			TRG	EPA CLP
065SS17	SS	REG	0650207	12/19/95	ZINC	25.80	MG/KG			TRG	EPA CLP
065SS17	SS	DUP	0650208	12/19/95	1,2,4-TRICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	1,2,4-TRICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	1,2-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	1,2-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	1,3-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	1,3-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	1,4-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	1,4-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4,6-TRICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4,6-TRICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4-DICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4-DICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4-DIMETHYLPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4-DIMETHYLPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4-DINITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,4-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,4-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2,6-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2,6-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2-CHLORONAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2-CHLORONAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2-CHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2-CHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2-METHYLNAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2-METHYLNAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	2-NITROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS17	SS	REG	0650207	12/19/95	2-NITROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	3,3'-DICHLOROBENZIDINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	3,3'-DICHLOROBENZIDINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	4-BROMOPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	4-BROMOPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	4-CHLOROPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	4-CHLOROPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	ACENAPHTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	ACENAPHTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	ACENAPHTHYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	ACENAPHTHYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BENZO(A)ANTHRACENE	11.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BENZO(A)ANTHRACENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BENZO(A)PYRENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BENZO(A)PYRENE	22.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BENZO(B)FLUORANTHENE	16.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BENZO(B)FLUORANTHENE	20.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BENZO(GHI)PERYLENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BENZO(GHI)PERYLENE	18.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BENZO(K)FLUORANTHENE	18.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BENZO(K)FLUORANTHENE	23.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BIS(2-CHLOROETHOXY)METHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BIS(2-CHLOROETHOXY)METHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BIS(2-CHLOROETHYL)ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BIS(2-CHLOROETHYL)ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	48.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	180.00	UG/KG			TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	BUTYLBENZYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	BUTYLBENZYLPHTHALATE	16.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	CARBAZOLE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	CARBAZOLE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	CHRYSENE	21.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	CHRYSENE	28.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DI-N-BUTYLPHTHALATE	69.00	UG/KG	JB	UJ	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DI-N-BUTYLPHTHALATE	69.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DI-N-OCTYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DI-N-OCTYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS17	SS	DUP	0650208	12/19/95	DIBENZO(A,H)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DIBENZO(A,H)ANTHRACENE	69.00	UG/KG	U	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DIBENZOFURAN	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DIBENZOFURAN	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DIETHYLPHTHALATE	8.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DIETHYLPHTHALATE	10.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DIMETHYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DIMETHYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	FLUORANTHENE	27.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	FLUORANTHENE	36.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	FLUORENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	FLUORENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	HEXACHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HEXACHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	HEXACHLOROBUTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HEXACHLOROBUTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	HEXACHLOROCYCLOPENTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HEXACHLOROCYCLOPENTADIENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	HEXACHLOROETHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HEXACHLOROETHANE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	INDENO(1,2,3-CD)PYRENE	16.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	INDENO(1,2,3-CD)PYRENE	17.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	ISOPHORONE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	ISOPHORONE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-NITROSODI-N-PROPYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-NITROSODI-N-PROPYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-NITROSODIPHENYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-NITROSODIPHENYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	NAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	NAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	NITROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	NITROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	O-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	O-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	P-CHLORO-M-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	P-CHLORO-M-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	P-CHLOROANILINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	P-CHLOROANILINE	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	P-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	P-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PHENANTHRENE	10.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	PHENANTHRENE	21.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS17	SS	REG	0650207	12/19/95	PHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PYRENE	27.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	PYRENE	37.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DOCOSANE	1500.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DODECANOL	240.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	DODECANOL	390.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	DOTRIACONTANE	76.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HENEICOSANE	680.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	HENTRIACONTANE	1000.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	HENTRIACONTANE	1600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-HEPTACOSANE	230.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-HEPTACOSANE	720.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-HEXACOSANE	110.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-HEXACOSANE	860.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-OCTACOSANE	96.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-OCTACOSANE	910.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	N-PENTACOSANE	190.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-PENTACOSANE	1200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	N-TRIACONTANE	420.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	NONACOSANE	530.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	NONACOSANE	1400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	140.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	PROPANOIC ACID, 3,3'-THIOBIS-, DIDODECYL ESTER	180.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	TETRACOSANE	99.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	TETRACOSANE	1800.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	TRICOSANE	1900.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	TRITRIACONTANE	560.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	TRITRIACONTANE	830.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	120.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	110.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	81.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	110.00	UG/KG	J	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	160.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN	120.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN	280.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN	300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN ALIPHATIC COMPOUND	100.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	UNKNOWN ALIPHATIC COMPOUND	380.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN ALIPHATIC COMPOUND	460.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN NONYLPHENOL	290.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN NONYLPHENOL	350.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN NONYLPHENOL	310.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	REG	0650207	12/19/95	UNKNOWN SITOSTEROL	280.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS17	SS	DUP	0650208	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG		UJ	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS17	SS	DUP	0650208	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	ACENAPHTHYLENE	2.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	ACENAPHTHYLENE	4.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(A)ANTHRACENE	10.00	UG/KG			TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(A)ANTHRACENE	35.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(A)PYRENE	15.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(A)PYRENE	44.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(B)FLUORANTHENE	16.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(B)FLUORANTHENE	48.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(E)PYRENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(E)PYRENE	31.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(GHI)PERYLENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(GHI)PERYLENE	32.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BENZO(K)FLUORANTHENE	17.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BENZO(K)FLUORANTHENE	42.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	CHRYSENE	21.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	CHRYSENE	63.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	DIBENZO(A,H)ANTHRACENE	5.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	DIBENZO(A,H)ANTHRACENE	11.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	FLUORANTHENE	26.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	FLUORANTHENE	75.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	INDENO(1,2,3-CD)PYRENE	12.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	INDENO(1,2,3-CD)PYRENE	30.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	PERYLENE	4.00	UG/KG		J	TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	PERYLENE	11.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	PHENANTHRENE	11.00	UG/KG			TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	PHENANTHRENE	14.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS17	SS	DUP	0650208	12/19/95	PYRENE	27.00	UG/KG			TRG	NOAA PAH-SIM
065SS17	SS	REG	0650207	12/19/95	PYRENE	74.00	UG/KG		UJ	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	1,2,4-TRICHLOROBENZENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS18	SS	REG	0650205	12/20/95	1,2-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	1,3-DICHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	1,4-DICHLOROBENZENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4,6-TRICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4-DICHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4-DIMETHYLPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4-DINITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,4-DINITROTOLUENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2,6-DINITROTOLUENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2-CHLORONAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2-CHLOROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2-METHYLNAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	2-NITROPHENOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	3,3'-DICHLOROBENZIDINE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	4-BROMOPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	4-CHLOROPHENYLPHENYLETHER	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	4-NITROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	ACENAPHTHENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	ACENAPHTHYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BENZO(A)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BENZO(A)PYRENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BENZO(B)FLUORANTHENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BENZO(GHI)PERYLENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BENZO(K)FLUORANTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BIS(2-CHLOROETHOXY)METHANE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BIS(2-CHLOROETHYL)ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BIS(2-CHLOROISOPROPYL) ETHER	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BIS(2-ETHYLHEXYL)PHTHALATE	69.00	UG/KG	JB	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	BUTYLBENZYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	CARBAZOLE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	CHRYSENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DI-N-BUTYLPHTHALATE	69.00	UG/KG	JB	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DI-N-OCTYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DIBENZO(A,H)ANTHRACENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DIBENZOFURAN	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DIETHYLPHTHALATE	69.00	UG/KG	JB	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DIMETHYLPHTHALATE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	FLUORANTHENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	FLUORENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	HEXACHLOROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	HEXACHLOROBUTADIENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	HEXACHLOROCYCLOPENTADIENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS18	SS	REG	0650205	12/20/95	HEXACHLOROETHANE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	INDENO(1,2,3-CD)PYRENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	ISOPHORONE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	N-NITROSODI-N-PROPYLAMINE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	N-NITROSODIPHENYLAMINE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	NAPHTHALENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	NITROBENZENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	O-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	P-CHLORO-M-CRESOL	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	P-CHLOROANILINE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	P-CRESOL	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PHENANTHRENE	69.00	UG/KG	U	U	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PHENOL	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PYRENE	69.00	UG/KG	U	UJ	TRG	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	DOCOSANE	130.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	HENTRIACONTANE	410.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	N-HEPTACOSANE	160.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	N-HEXACOSANE	93.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	N-PENTACOSANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	NONACOSANE	450.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	160.00	UG/KG	NJB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	PROPANOIC ACID, 3,3'-THIOBIS-, DIDODECYL ESTER	260.00	UG/KG	NJB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	TETRACOSANE	120.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	TRICOSANE	160.00	UG/KG	NJ	NJ	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	240.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	160.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	200.00	UG/KG	J	J	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	120.00	UG/KG	J	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	420.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN	230.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN ALIPHATIC COMPOUND	920.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN ALIPHATIC COMPOUND	96.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN ALIPHATIC COMPOUND	390.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	UNKNOWN POLYCYCLIC HYDROCARBON	290.00	UG/KG	JB	U	TIC	EPA CLP/625-M
065SS18	SS	REG	0650205	12/20/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	ACENAPHTHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	ACENAPHTHYLENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	ANTHRACENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BENZO(A)ANTHRACENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BENZO(A)PYRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BENZO(B)FLUORANTHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS18	SS	REG	0650205	12/20/95	BENZO(E)PYRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BENZO(GHI)PERYLENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BENZO(K)FLUORANTHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	BIPHENYL	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	CHRYSENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	FLUORANTHENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	FLUORENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	INDENO(1,2,3-CD)PYRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	NAPHTHALENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	PERYLENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	PHENANTHRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS18	SS	REG	0650205	12/20/95	PYRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	1,2,4-TRICHLOROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	1,2-DICHLOROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	1,3-DICHLOROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	1,4-DICHLOROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4,5-TRICHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4,6-TRICHLOROPHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4-DICHLOROPHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4-DIMETHYLPHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4-DINITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,4-DINITROTOLUENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2,6-DINITROTOLUENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2-CHLORONAPHTHALENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2-CHLOROPHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2-METHYLNAPHTHALENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	2-NITROPHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	3,3'-DICHLOROBENZIDINE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	3-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	4,6-DINITRO-O-CRESOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	4-BROMOPHENYLPHENYLETHER	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	4-CHLOROPHENYLPHENYLETHER	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	4-NITROPHENOL	170.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	ACENAPHTHENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	ACENAPHTHYLENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	ANTHRACENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BENZO(A)ANTHRACENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BENZO(A)PYRENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BENZO(B)FLUORANTHENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BENZO(GHI)PERYLENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BENZO(K)FLUORANTHENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BIS(2-CHLOROETHOXY)METHANE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BIS(2-CHLOROETHYL)ETHER	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BIS(2-CHLOROISOPROPYL) ETHER	71.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS19	SS	REG	0650204	12/20/95	BIS(2-ETHYLHEXYL)PHTHALATE	22.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	BUTYLBENZYLPHTHALATE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	CARBAZOLE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	CHRYSENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DI-N-BUTYLPHTHALATE	71.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DI-N-OCTYLPHTHALATE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DIBENZO(A,H)ANTHRACENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DIBENZOFURAN	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DIETHYLPHTHALATE	9.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DIMETHYLPHTHALATE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	FLUORANTHENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	FLUORENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	HEXACHLOROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	HEXACHLOROBUTADIENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	HEXACHLOROCYCLOPENTADIENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	HEXACHLOROETHANE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	INDENO(1,2,3-CD)PYRENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	ISOPHORONE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-NITROSODI-N-PROPYLAMINE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-NITROSODIPHENYLAMINE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	NAPHTHALENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	NITROBENZENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	O-CRESOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	P-CHLORO-M-CRESOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	P-CHLOROANILINE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	P-CRESOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	P-NITROANILINE	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PENTACHLOROPHENOL	170.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PHENANTHRENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PHENOL	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PYRENE	71.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	1-HEXACOSANOL	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	DODECANOL	360.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	HENTRIACONTANE	1600.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-HEPTACOSANE	650.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-HEXACOSANE	180.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-OCTACOSANE	290.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-PENTACOSANE	290.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	N-TRIACONTANE	170.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	NONACOSANE	2700.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	220.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	PROPANOIC ACID, 3,3'-THIOBIS-, DIDODECYL ESTER	560.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	STIGMAST-4-EN-3-ONE	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	TRITRIACONTANE	570.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN ALIPHATIC ALDEHYDE	300.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN ALIPHATIC COMPOUND	310.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN ALIPHATIC COMPOUND	860.00	UG/KG	JB	U	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS19	SS	REG	0650204	12/20/95	UNKNOWN ALIPHATIC KETONE	140.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN ALIPHATIC KETONE	210.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN C28-ALCOHOL	280.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	UNKNOWN SITOSTEROL	370.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS19	SS	REG	0650204	12/20/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(A)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(A)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(B)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(E)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(GHI)PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BENZO(K)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	CHRYSENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	INDENO(1,2,3-CD)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	PHENANTHRENE	2.00	UG/KG	U	U	TRG	NOAA PAH-SIM
065SS19	SS	REG	0650204	12/20/95	PYRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	1,2,4-TRICHLOROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	1,2-DICHLOROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	1,3-DICHLOROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	1,4-DICHLOROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4,5-TRICHLOROPHENOL	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4,6-TRICHLOROPHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4-DICHLOROPHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4-DIMETHYLPHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4-DINITROPHENOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,4-DINITROTOLUENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2,6-DINITROTOLUENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2-CHLORONAPHTHALENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2-CHLOROPHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2-METHYLNAPHTHALENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	2-NITROPHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	3,3'-DICHLOROBENZIDINE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	3-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS20	SS	REG	0650187	12/19/95	4,6-DINITRO-O-CRESOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	4-BROMOPHENYLPHENYLETHER	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	4-CHLOROPHENYLPHENYLETHER	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	4-NITROPHENOL	190.00	UG/KG	U	UJ	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	ACENAPHTHENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	ACENAPHTHYLENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	ANTHRACENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BENZO(A)ANTHRACENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BENZO(A)PYRENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BENZO(B)FLUORANTHENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BENZO(GHI)PERYLENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BENZO(K)FLUORANTHENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BIS(2-CHLOROETHOXY)METHANE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BIS(2-CHLOROETHYL)ETHER	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	110.00	UG/KG			TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	BUTYLBENZYLPHTHALATE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	CARBAZOLE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	CHRYSENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DI-N-BUTYLPHTHALATE	30.00	UG/KG	JB	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DI-N-OCTYLPHTHALATE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DIBENZO(A,H)ANTHRACENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DIBENZOFURAN	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DIETHYLPHTHALATE	12.00	UG/KG	J	J	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DIMETHYLPHTHALATE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	FLUORANTHENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	FLUORENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	HEXACHLOROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	HEXACHLOROBUTADIENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	HEXACHLOROCYCLOPENTADIENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	HEXACHLOROETHANE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	INDENO(1,2,3-CD)PYRENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	ISOPHORONE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	N-NITROSODI-N-PROPYLAMINE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	N-NITROSODIPHENYLAMINE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	NAPHTHALENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	NITROBENZENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	O-CRESOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	P-CHLORO-M-CRESOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	P-CHLOROANILINE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	P-CRESOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	P-NITROANILINE	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PENTACHLOROPHENOL	190.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PHENANTHRENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PHENOL	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PYRENE	80.00	UG/KG	U	U	TRG	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	DODECANOL	320.00	UG/KG	NJB	U	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
065SS20	SS	REG	0650187	12/19/95	DOTRIACONTANE W/UNKNOWN	280.00	UG/KG	NJZ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	ERGOST-5-EN-3-OL, (3.BETA.)-	430.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	HENTRIACONTANE	1100.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	N-HEPTACOSANE	560.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	N-OCTACOSANE	230.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	N-PENTACOSANE	200.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	NONACOSANE	460.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PALMITIC ACID	540.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	PROPANOIC ACID, 2-METHYL-, 1-(1,1-DIMETH	200.00	UG/KG	NJB	U	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	STIGMAST-4-EN-3-ONE	400.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	STIGMASTEROL	220.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	TRITRIACONTANE	810.00	UG/KG	NJ	NJ	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN	220.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN	380.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN	220.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN	290.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN ALIPHATIC COMPOUND	460.00	UG/KG	JB	U	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN HEXADECENOIC ACID	450.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	UNKNOWN SITOSTEROL	680.00	UG/KG	J	J	TIC	EPA CLP/OLM
065SS20	SS	REG	0650187	12/19/95	1-METHYL NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	1-METHYLPHENANTHRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	2,3,5-TRIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	2,6-DIMETHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	2-METHYLNAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	ACENAPHTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	ACENAPHTHYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(A)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(A)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(B)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(E)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(GHI)PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BENZO(K)FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	BIPHENYL	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	CHRYSENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	DIBENZO(A,H)ANTHRACENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	DIBENZOTHIOPHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	FLUORANTHENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	FLUORENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	INDENO(1,2,3-CD)PYRENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	NAPHTHALENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	PERYLENE	2.00	UG/KG	U	UJ	TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	PHENANTHRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
065SS20	SS	REG	0650187	12/19/95	PYRENE	2.00	UG/KG	U		TRG	NOAA PAH-SIM
ERTRAILERS	BW	RSB	0650201	12/19/95	ALUMINUM	23.80	UG/L	B	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	ANTIMONY	2.50	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	ARSENIC	2.80	UG/L	U	U	TRG	EPA CLP

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
ERTRAILERS	BW	RSB	0650201	12/19/95	BARIUM	5.40	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	BERYLLIUM	0.17	UG/L	B	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	CADMIUM	0.30	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	CALCIUM	186.00	UG/L	B		TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	CHROMIUM	0.60	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	COBALT	2.30	UG/L	B		TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	COPPER	1.00	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	IRON	21.50	UG/L	B	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	LEAD	1.60	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	MAGNESIUM	137.00	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	MANGANESE	0.50	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	MERCURY	0.10	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	NICKEL	2.20	UG/L	B	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	POTASSIUM	136.00	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	SELENIUM	2.20	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	SILVER	5.30	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	SODIUM	283.00	UG/L	B		TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	THALLIUM	2.30	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	VANADIUM	1.60	UG/L	U	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	ZINC	2.50	UG/L	B	U	TRG	EPA CLP
ERTRAILERS	BW	RSB	0650201	12/19/95	1,2,4-TRICHLOROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	1,2-DICHLOROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	1,3-DICHLOROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	1,4-DICHLOROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4,5-TRICHLOROPHENOL	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4,6-TRICHLOROPHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4-DICHLOROPHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4-DIMETHYLPHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4-DINITROPHENOL	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,4-DINITROTOLUENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2,6-DINITROTOLUENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2-CHLORONAPHTHALENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2-CHLOROPHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2-METHYLNAPHTHALENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2-NITROANILINE	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	2-NITROPHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	3,3'-DICHLOROBENZIDINE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	3-NITROANILINE	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	4,6-DINITRO-O-CRESOL	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	4-BROMOPHENYLPHENYLETHER	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	4-CHLOROPHENYLPHENYLETHER	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	4-NITROPHENOL	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	ACENAPHTHENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	ACENAPHTHYLENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	ANTHRACENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BENZO(A)ANTHRACENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BENZO(A)PYRENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
ERTRAILERS	BW	RSB	0650201	12/19/95	BENZO(B)FLUORANTHENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BENZO(GHI)PERYLENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BENZO(K)FLUORANTHENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BIS(2-CHLOROETHOXY)METHANE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BIS(2-CHLOROETHYL)ETHER	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BIS(2-CHLOROISOPROPYL) ETHER	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	UG/L	B	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	BUTYLBENZYLPHTHALATE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	CARBAZOLE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	CHRYSENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DI-N-BUTYLPHTHALATE	0.30	UG/L	JB	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DI-N-OCTYLPHTHALATE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DIBENZO(A,H)ANTHRACENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DIBENZOFURAN	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DIETHYLPHTHALATE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DIMETHYLPHTHALATE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	FLUORANTHENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	FLUORENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	HEXACHLOROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	HEXACHLOROBUTADIENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	HEXACHLOROCYCLOPENTADIENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	HEXACHLOROETHANE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	INDENO(1,2,3-CD)PYRENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	ISOPHORONE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-NITROSODI-N-PROPYLAMINE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-NITROSODIPHENYLAMINE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	NAPHTHALENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	NITROBENZENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	O-CRESOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	P-CHLORO-M-CRESOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	P-CHLOROANILINE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	P-CRESOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	P-NITROANILINE	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	PENTACHLOROPHENOL	3.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	PHENANTHRENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	PHENOL	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	PYRENE	1.00	UG/L	U	UJ	TRG	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DOCOSANE	15.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	DOTRIACONTANE	6.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	HENTRIACONTANE	13.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-HEPTACOSANE	65.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-HEXACOSANE	74.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-OCTACOSANE	54.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-PENTACOSANE	79.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	N-TRIACONTANE	20.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	NONACOSANE	36.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	TETRACOSANE	74.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM

Anthropogenic PAH Reference-Level Study Analytical Results

STATION ID	SAMPLE MATRIX	SAMPLE TYPE	SAMPLE ID	COLLECTION DATE	ANALYTE NAME	RESULT	RESULT UNITS	QUALIFIERS LAB	QUALIFIERS REVIEW	RESULT TYPE	METHOD CODE
ERTRAILERS	BW	RSB	0650201	12/19/95	TRICOSANE	51.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	TRITRIACONTANE	4.00	UG/L	NJ	NJ	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALIPHATIC COMPOUND	7.00	UG/L	JB	U	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALKANE	2.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALKANE	3.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALKANE	4.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALKANE	2.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN ALKANE	4.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN AMIDE	6.00	UG/L	J	J	TIC	EPA CLP/OLM
ERTRAILERS	BW	RSB	0650201	12/19/95	UNKNOWN TRICHLOROPROPENE	7.00	UG/L	JB	U	TIC	EPA CLP/OLM

RESPONSE TO COMMENTS
Draft Report Anthropogenic PAH Reference-Level Study
Marine Corps Air Station, El Toro, California

Originator: Jacques P. Lord
Date: July 26, 1996

CLEAN II PROGRAM
Bechtel Job No. 22214
Contract No. N68711-92-D-4670
CTO-0065/0177

Faxed Memorandum from Joseph Joyce, BEC to Jacques Lord, CLEAN II
Dated June 19, 1996
SUBJECT: PAH Study
TEXT: "Please incorporate comments from Lt. Katcharian into the Final Document."

COMMENT 1 a: **Table 2-2, Sample Collection Summary - In the first column under "Sample", PAHa sample should be replaced with PAH[a] sample.**	**RESPONSE 1 a:** The correction has been made to Table 2-2.
COMMENT 1 b: **Please provide binder spines with the final inserts to the subject report.**	**RESPONSE 1 b:** The final binder spine inserts will be provided with the revised text pages to complete the PAH Report.

RESPONSE TO COMMENTS
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Marine Corps Air Station, El Toro, California

Originator: Jacques P. Lord
Date: July 26, 1996

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California Environmental Protection Agency
Department of Toxic Substances Control
Office of Military Facilities
Southern California Operations
245 W. Broadway, Suite 350
Long Beach, California 90802-4444

TO: Joseph Joyce
FROM: Tayseer Mahmoud
RE: Comments on Draft Report for the Anthropogenic PAH Reference-Level Study for Marine Corps Air Station (MCAS) El Toro
Dated: July 11, 1996

GENERAL COMMENT: **The data tables are confusing. Some PAH results are for "NOAA PAH-SIM (presumably GC/MS selective ion monitoring)", but the detection limits are as low as 2µg/kg, which appear to be Method 8310 (HPLC) results. It appears that these are really 8310 results. The data tables should be re-formatted to clarify which methods are used for each result.**	**RESPONSE:** The data tables (Appendix B) listing results for PAHs from NOAA PAH-SIM are correct. The analytical laboratory contracted to analyze for PAHs was able to achieve detection limits down to as low as 2µg/kg utilizing this method. These are not Method 8310 (HPLC) analytical results.
SPECIFIC COMMENTS	
COMMENT 1: **Table 2-1** **CAS stands for Chemical Abstracts Service, not Chemical Analysis Survey.**	**RESPONSE 1:** Table 2-1 The typographical error in the notes under Table 2-1 has been corrected.
COMMENT 2: **Table 2-2** **The holding times of 14 days have no scientific basis. These should be called turnaround times rather than holding times. Holding times are based on the chemical stability of the analytes, which is not an issue for PAHs, PCDD/Fs, and metals in this study.**	**RESPONSE 2:** Table 2-2 The column heading on Table 2-2 has been changed to read "turnaround time."

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COMMENT 3:	RESPONSE 3:
SECTION 3.1 Polynuclear Aromatic Hydrocarbons **No data was presented for U.S. EPA Method 8270M. The Work Plan specified the method. The data should be presented and compared with the data from U.S. EPA Method 8310.**	The analytical results from U.S. EPA Method 8270M are included in the data summary (Appendix B). These results were not used in the body of the report for reference-level calculations or for comparison to immunoassay results because of generally higher detection limits. While some 8270M data could be compared to the higher immunoassay values, the data set as a whole is not appropriate for the stated DQOs. The data is provided for interested readers to delve further than the objectives of the study. Analytical results from U.S. EPA Method 8310 were used as it represented a complete data set that was appropriate to the stated objectives of the study.
COMMENT 4: **Table 3-1** **Naphthalene is misspelled.**	**RESPONSE 4:** Table 3-1 The misspelling in Table 3-1 has been corrected.
COMMENT 5: **SECTION 3.1.2 TAL Metals and Dioxins** **Table 3-2 should specify the number of samples "N" and standard deviations when means are provided.**	**RESPONSE 5:** SECTION 3.1.2 TAL Metals and Dioxins Table 3-2 has been updated to include a note defining the number of samples (n =6) used to calculate the reported statistics for metals.
COMMENT 6: **Table 3-2 lists the maximum values for iron and lead as less that the corresponding minimum values.**	**RESPONSE 6:** The maximum and minimum concentrations for iron and lead were inadvertently transposed in Table 3-2. The typographical error in the table has been corrected.

RESPONSE TO COMMENTS
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COMMENT 7: **The currently accepted approach between the Navy and the BCT regulatory agencies is to use soil inorganic background levels in remedial investigation and risk assessment calculations. Therefore, there seems to be no point in making the comparison of inorganic soil levels to PRGs. Rather, the comparison should be only to establish background values.**	**RESPONSE 7:** Table 3-2 has been revised by inclusion of inorganic background levels taken from the draft final Phase II Remedial Investigation Report for Site 2 (BNI 1996) and updated 7/25/96 for new background values of copper, cadmium, and nickel. The column titled "PRG in Residential Soils" has been deleted from Table 3-2, and replaced with the most recent background metals values.
COMMENT 8: **Table 3-2** **This table would benefit from the presentation of all background levels for inorganics and the deletion of inorganic PRGs. See the previous comment for further explanation.**	**RESPONSE 8:** Table 3-2 See response to comment 7 above.
COMMENT 9: **Section 3.2.1 ENSYS Results** **Since one of the objectives of the study is to evaluate immunoassay test kits, a summary table of results should have been provided similar to Table 3-1.**	**RESPONSE 9:** Section 3.2.1 ENSYS Results The ENSYS kit reports results as total PAHs detected greater than or less than some logically chosen standard concentration. Two standards were chosen for this study (60 µg/kg and 275 µg/kg) so results could be compared to residential and industrial soil PRG values for two carcinogenic PAHs - benzo(a)pyrene or dibenz(a,h)anthracene. These two PAHs have the lowest PRGs. The ENSYS results, therefore, are reported as either less than 60 µg/kg, greater than 60 but less than 275 µg/kg, or greater than 275 µg/kg. These results are reported in this fashion in Table 4-2, Summary Comparison of Immunoassay and U.S. EPA Method 8310 Reported Values.
COMMENT 10: **Section 3.2.2 OHMICRON RaPID Assay Results** **See comments above for Section 3.2.1, ENSYS Results.**	**RESPONSE 10:** Section 3.2.2 OHMICRON RaPID Assay Results The OHMICRON RaPID Assay detects carcinogenic PAHs as a total value - no specific compounds are identified. The reportable detection limit for the kit results presented in this study is 7 µg/kg, well below the residential soil PRGs for any specific carcinogenic PAH. These results are reported in this fashion in Table 4-2, Summary Comparison of Immunoassay and U.S. EPA Method 8310 Reported Values.

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CTO-0065/0177

COMMENT 11: **Table 4-2, page 4-4** **Note 'c' should read "...50 milligrams per kilogram" instead of "100 micrograms per kilogram".**	**RESPONSE 11:** Table 4-2, page 4-4 The note under Table 4-2 has been corrected.
COMMENT 12: **Section 4.3 DIOXIN AND METALS SAMPLES FOR THE RUNWAY PARCELS** **Because of the issue over inorganic background, summary data should have been presented for metals.**	**RESPONSE 12:** Section 4.3 DIOXIN AND METALS SAMPLES FOR THE RUNWAY PARCELS Section 4.3, page 4-5, has been revised to reflect a comparison of metals concentrations to soil background concentrations. The revised text is as follows: "The reported results of the three dioxin and six metals analysis are supportive of unrestricted release of the runway parcels. No dioxins or dibenzofurans were reported, and the mean metal concentrations, with the exception of selenium, are below the soil background levels reported in the draft final Phase II Remedial Investigation Report for Site 2 (BNI 1996). The mean selenium concentration at 0.46 mg/kg is near background (0.32 mg/kg)."
COMMENT 13: **APPENDIX B ANALYTICAL RESULTS SUMMARY** **Descriptive meanings of the table headings and codes should be provided at the front of the table.**	**RESPONSE 13:** APPENDIX B ANALYTICAL RESULTS SUMMARY Notes have been added in front of the analytical results table to explain column headings. These notes will be provided with the revised pages to the report.
COMMENT 14: **CONCLUSION** **The Department of Toxic Substances concurs with the conclusions regarding the levels of anthropogenic PAHs and the viability of the PAH immunoassays. The design of the study and interpretation of results are consistent with guidance from the CMECC Chemical Data Quality and Cost Reduction Process Action Team.**	**RESPONSE 14:** CONCLUSION No response required.

RESPONSE TO COMMENTS
Draft Report Anthropogenic PAH Reference-Level Study
Marine Corps Air Station, El Toro, California

Originator: Jacques P. Lord
Date: July 26, 1996

CLEAN II PROGRAM
Bechtel Job No. 22214
Contract No. N68711-92-D-4670
CTO-0065/0177

California Environmental Protection Agency
Department of Toxic Substances Control
Office of Military Facilities
Southern California Operations
245 W. Broadway, Suite 350
Long Beach, California 90802-4444

TO: Joseph Joyce
FROM: Dante J. Tedaldi
RE: Submittal of Review Comments by Environmental Management for MCAS El Toro, CTO-0065 on: DRAFT REPORT ANTHROPOGENIC PAH REFERENCE LEVEL STUDY MARINE CORPS AIR STATION, EL TORO, CALIFORNIA
Dated: June 25, 1996

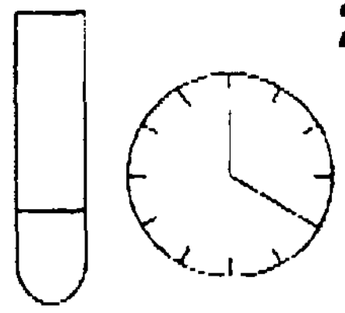
Technical Comments	
COMMENT 1: **The report is well written and satisfies its objectives. A few non-critical comments are described below.**	**RESPONSE 1:** No response required.
COMMENT 2: **Page 3-1, Section 3.1.2** **The currently accepted approach between the Navy and the BCT regulatory agencies is to use soil inorganic background levels in remedial investigations and risk assessment calculations. Therefore, there seems to be no point in making the comparison of inorganic soil levels to PRGs. Rather, the comparison should be only to established background values.**	**RESPONSE 2:** Table 3-2 has been revised by inclusion of inorganic background levels taken from the draft final Phase II Remedial Investigation Report for Site 2 (BNI 1996). The column titled "PRG in Residential Soils" has also been deleted from Table 3-2.
COMMENT 3: **Page 3-4, Table 3-2** **This table would benefit from the presentation of all background levels for inorganics and the deletion of inorganic PRGs. See the previous comment for further explanation.**	**RESPONSE 3:** See response to comment 2.

APPENDIX C

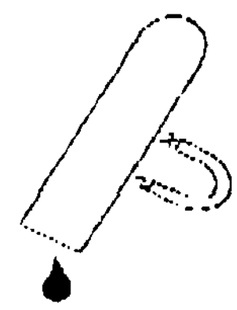
IMMUNOASSAY SENSITIVITY TO PAHs

Carcinogenic PAHs RaPID Assay® — Assay Protocol

1. Add 200 µL of prepared sample, 250 µL enzyme conjugate, and 500 µL antibody coupled magnetic particles. Vortex.

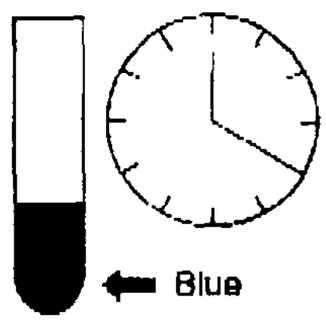


2. Incubate for 20 minutes.

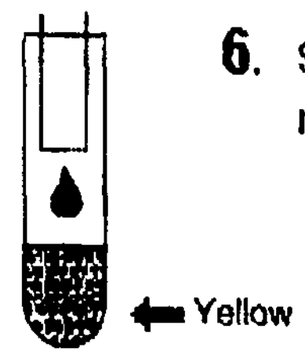


3. Using the RaPID Magnetic Separator, decant and wash.

4. Add 500 µL color solution.



5. Incubate 20 minutes.



6. Stop the reaction and read color at 450 nm.

Performance Carcinogenic PAHs

Specificity

The cross-reactivity of the Carcinogenic PAHs RaPID Assay for various polynuclear aromatic hydrocarbons and petroleum products can be expressed as the least detectable dose (LDD) which is estimated at 90% B/B_o, or as the dose required to displace 50% (50% B/B_o).

Compound	LDD Water (ppb)	LDD Soil (ppb)	50% B/B_o Water (ppb)	50% B/B_o Soil (ppb)
Benzo[a]pyrene	0.08	10.0	3.2	160
Benzo[a]anthracene	0.02	2.0	0.96	48.0
Benzo[k]fluoranthene	0.02	3.0	1.26	63.0
Chrysene	0.04	5.0	1.38	69.0
Benzo[b]fluoranthene	0.04	5.0	2.6	130
Indeno[1,2,3-c,d]pyrene	0.02	8.0	4.06	203
Dibenzo[a,h]anthracene	0.14	15	4.82	241
Anthracene	0.44	579	41.0	2050
Phenanthrene	2.7	403	134.4	6720
Fluoranthene	2.0	222	137.0	6850
Benzo[g,h,i]perylene	0.30	125	>200	>10,000
Pyrene	2.0	92	466	23,300
Fluorene	37	3520	604	34,200
Naphthalene	376	35,900	10,000	500,000
Acenaphthylene	148	21,700	11,540	577,000
Acenaphthene	1078	100,000	>20,000	>1,000,000
Creosote	1.24	123	16.76	838
Fuel Oil #4	22.0	2080	556	27,000
Fuel Oil #5	13	1,260	378	18,900
Fuel Oil #6	11.4	1,120	314	15,700
Boiling Fuel	20	3,200	1,306	65,300
Diesel Fuel	240	17,900	3560	17,800
Gasoline	200	155,000	>10,000	>1,000,000
Kerosene	2,800	826,000	>10,000	>1,000,000
Jet A Fuel	>10,000	>1,000,000	>10,000	>1,000,000

Recovery

Four (4) samples, including a municipal water source, drinking water from a local well, a sample from a local pond and a sample from a small creek were spiked with various levels of Carcinogenic PAHs (benzo[a]pyrene), diluted 1:1 with methanol, and then assayed using the Carcinogenic PAHs RaPID Assay. The following results were obtained:

Amount of cPAHs Added (ppb)	Recovery Mean (ppb)	Recovery S.D. (ppb)	Recovery %
0.50	0.44	0.04	88
1.00	0.98	0.08	98
4.00	4.52	0.46	113
8.00	9.20	0.66	115
Average			104

Precision

The following results were obtained:

Control	1	2	3	4
Replicates	5	5	5	5
Days	5	5	5	5
n	25	25	25	25
Mean (ppb)	0.38	0.98	4.84	9.58
% CV [a]	12.7	7.4	6.5	5.7
% CV [b]	3.5	3.0	6.1	1.4

[a] (within assay in water)

[b] (between assay in water)

Results

When using the RPA-I RaPID Analyzer™, results are reported in ppb Carcinogenic PAHs. If read in a standard spectrophotometer, results from the calibrators are plotted on graph paper and used to determine final results. It is recommended that a control be included in each run. A positive control (2.0 ppb) is supplied with the RaPID Assay kit. If soil samples are run, results should be multiplied by the appropriate factor.

As with any analytical technique (GC, HPLC, etc.) results requiring some action should be confirmed by an alternative technology.

Ordering Information

Products

Carcinogenic PAHs RaPID Assay Kit, 30 Tubes
Carcinogenic PAHs RaPID Assay Kit, 100 Tubes
Sample Diluent, 100 mL
Proficiency Samples
Sample Extraction kit, 20 Tests
Carcinogenic PAHs Soil System, 20 Tests
Carcinogenic PAHs Soil System, 80 Tests

For ordering or technical assistance call:
Ohmicron Environmental Diagnostics, Inc.
(800) 544-8881
(215) 860-5115
Fax (215) 860-5213

OHMICRON

Table 2.4.1
PAH RIS^{ce}® Soil Test and SamplePro™ System

PAH Compound	Concentration Necessary to Result in Positive Test (ppm)*
2 rings	
naphthalene	290
3 rings	
acenaphthene	36
acenaphthylene	50
phenanthrene	1.0
anthracene	1.2
fluorene	1.2
4 rings	
benzo[a]anthracene	1.9
chrysene	1.2
fluoranthene	1.8
pyrene	2.6
5 rings	
benzo[b]fluoranthene	6.5
benzo[k]fluoranthene	9.4
benzo[a]pyrene	5.8
dibenzo[a,h]anthracene	>200
6 rings	
indeno[1,2,3-cd]pyrene	18
benzo[g,h,i]perylene	>200

* Samples with stated concentration will give positive result greater than 95% of the time when tested at stated concentration level.

">" means that the concentration listed was the highest concentration tested and a positive result was not obtained at that concentration.