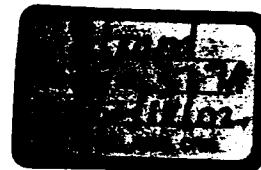




May 11, 2000

Service Request No: K2002882

John Strand
Airport Communities Coalition
1314 Cedar
Richland, WA 99352



Re: Water/Sediment Quality Monitoring/00-101G

Dear John:

Enclosed are the results of the sample(s) submitted to our laboratory on April 19, 2000. For your reference, these analyses have been assigned our service request number K2002882.

All analyses were performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the samples analyzed.

Please call if you have any questions. My extension is 3316.

Respectfully submitted,

Columbia Analytical Services, Inc.

Jeff Christian
Laboratory Director

JC/td

Page 1 of 120

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

00002

AR 021430

COLUMBIA ANALYTICAL SERVICES, INC.

Client: Airport Communities Coalition Service Request No.: K2002882
Project: Water/Sediment Quality Monitoring/00-101G Date Received: 4/19/00
Sample Matrix: Water/Sediment/Tissue

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for sample(s) designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Duplicate (DUP), Matrix Spike (MS), and Matrix/Duplicate Matrix Spike (MS/DMS).

All EPA recommended holding times have been met for analyses in this sample delivery group except the re-extraction of one sample for TPH confirmation as described below in the comments.

Sample Receipt

1) All samples were received in good condition and within the recommended temperature range except sediment sample IIB-6 and water sample IC-1 (for TPH). These samples were broken during shipment and were not usable upon receipt.

Ammonia

No anomalies associated with the analysis of these samples were observed.

Metals

No anomalies associated with the analysis of these samples were observed.

Aroclors

No anomalies associated with the analysis of these samples were observed.

Pesticides

1) The sample IIB-7 (K2002882-043) contained non-target background components that were unresolvable from potential Toxaphene peaks. Consequently, the Method Reporting Limit (MRL) for Toxaphene is elevated to prevent reporting a false positive result.

Semivolatile Organics

No anomalies associated with the analysis of these samples were observed.

Approved by  Date 5/10/00 00003

AR 021431

Fuels Scan

1) The surrogate recovery for sample IIC-2 (K2002882-046) was below the CAS control limit. The sample was re-extracted and re-analyzed past the recommended hold time as a confirmational analysis. Both determinations showed "ND" for all target analytes, and both analyses are reported.

Glycols

1) The surrogate recoveries in several samples were below the CAS control limit. The samples were reanalyzed two additional times and produced similar results. In addition, the analytical run contained opening, mid, and closing calibration checks. In all three analytical runs, the mid calibration check produced a value approximately 5% below the typical acceptance range for the procedure. While both of these anomalies could possibly result in a low bias in the results, they are independent of each other. However, both phenomena appear to be related to the sample matrices. Note that the samples varied significantly in terms of major matrix components (i.e. silt/clay, sand/gravel, organic content, etc.). Because the QA/QC outliers appear to be matrix related, the scope of this procedure does not include any feasible corrective action (i.e. the method is simply a water/methanol extraction followed by direct injection). Inspection of the chromatograms for the glycol analysis indicate absolutely no analyte signal for the target compounds. Thus, the low surrogate recoveries do not appear to impact the validity of the results.

Approved by STH clt Date 5/10/00

00004

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17, 18/00
 Date Received: 4/19/00
 Date Extracted: 4/28/00

Total Metals
 Units: µg/L (ppb)

Analyte: Copper Lead Zinc
 EPA Method: 200.8 200.8 200.8
 Method Reporting Limit: 0.1 0.02 0.5
 Date Analyzed: 4/28/00 4/28/00 4/28/00

Sample Name	Lab Code	Copper	Lead	Zinc	
<i>Mellor Cr</i> IA-1 } <i>44th St S</i> IA-2 } IA-3 } IB-1 } <i>S 157th A</i> IB-2 } IB-3 } IC-1 } <i>8th Ave Sw</i> IC-2 } IC-3 }	K2002882-001	2.5	1.27	16.5	
	K2002882-002	2.5	1.34	16.8	
	K2002882-003	2.7	1.34	17.0	
	K2002882-008	2.1	1.03	8.1	
	K2002882-009	1.9	0.97	7.7	
	K2002882-010	1.9	0.99	7.7	
	K2002882-016	1.6	0.55	5.3	
	K2002882-017	1.6	0.57	5.2	
	K2002882-018	1.6	0.55	5.0	
	C1 (metals) <i>Dunn Cr (College Pt)</i>	K2002882-022	1.1	0.23	3.6
	ID 1 } <i>Sid 4000 Wook</i>	K2002882-026	1.7	0.62	4.5
	ID 2 }	K2002882-027	1.7	0.65	6.1
ID 3 }	K2002882-028	1.7	0.60	4.6	
<i>Day Altona Cr</i> IIA-1 } <i>Clark</i> IIA-2 } <i>DA Max Hwy</i> IIA-3 } IIB 1 } <i>S 200th St</i> IIB 2 } IIB 3 } IIC 1 } <i>17th Ave S</i> IIC 2 } IIC 3 } IID 1 } <i>Day beach</i> IID 2 } <i>Hwy</i> IID 3 }	K2002882-032	2.7	0.81	14.6	
	K2002882-033	2.9	0.84	18.7	
	K2002882-034	2.6	0.76	13.7	
	K2002882-038	3.1	0.58	8.2	
	K2002882-039	2.8	0.55	7.5	
	K2002882-040	2.9	0.56	8.0	
	K2002882-045	2.4	0.39	5.4	
	K2002882-046	2.4	0.40	5.6	
	K2002882-047	2.4	0.37	5.5	
	K2002882-052	2.0	0.30	3.4	
	K2002882-053	2.1	0.32	3.8	
	K2002882-054	2.1	0.31	5.3	
Method Blank	K2002882-MB	ND	ND	ND	
Method Blank	K2002882-MB	ND	ND	ND	

Approved By: _____

Signature

Date: 5/5/00

00010

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/27/00

Total Metals
 Units: mg/Kg (ppm)
 Dry Weight Basis

Analyte:	Copper	Lead	Zinc
EPA Method:	200.8	200.8	200.8
Method Reporting Limit:	0.1	0.05	0.5
Date Analyzed:	4/28/00	4/28/00	4/28/00

Sample Name	Lab Code	Copper	Lead	Zinc
IA-4	K2002882-004	7.9	42.4	74.2
IA-5	K2002882-005	11.3	56.2	99.9
IA-6	K2002882-006	8.0	43.0	75.2
IB-4	K2002882-011	9.0	24.7	75.4
IB-5	K2002882-012	8.5	22.0	65.4
IB-6	K2002882-013	7.8	25.5	64.9
IC-4	K2002882-019	11.2	21.8	78.3
IC-5	K2002882-020	10.0	12.3	72.6
IC-6	K2002882-021	9.6	11.7	72.3
ID-4	K2002882-029	7.8	11.0	60.3
ID-5	K2002882-030	8.6	10.7	64.9
ID-6	K2002882-031	8.7	9.7	66.9
<hr/>				
IIB-4	K2002882-041	10.1	9.19	49.5
IIB-5	K2002882-042	7.1	5.11	35.7
IIC-4	K2002882-048	11.3	6.61	38.2
IIC-5	K2002882-049	12.3	6.43	45.9
IIC-6	K2002882-050	11.2	4.44	37.3
IID-4	K2002882-055	11.6	10.6	58.1
IID-5	K2002882-056	14.3	17.6	70.2
IID-6	K2002882-057	10.3	7.42	54.3

Approved By: _____

JC

Date: 5/5/00

3A/EPA/102694

028821CP.BRA - Sample 5/4/00

00011

Page No.:

AR 021434

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Tissue

Service Request: K2002882
 Date Collected: 4/14-18/00
 Date Received: 4/19/00
 Date Extracted: 5/2/00

Total Metals
 Units: mg/Kg (ppm)
 Dry Weight Basis

Analyte:	Copper	Lead	Zinc
EPA Method:	200.8	200.8	200.8
Method Reporting Limit:	0.1	0.02	0.5
Date Analyzed:	5/3/00	5/3/00	5/3/00

3 2 20

Sample Name	Lab Code				
IA-7 Crayfish	K2002882-007	14.4	111 ✓	3.45 ✓	87.5
IB-8	K2002882-015		9.4	0.74 ✓	137
CI (fish) Cottage Lake	K2002882-024		2.0	0.08	63.3
III C - small conns	K2002882-025		4.1	1.67 ✓	134
II B 8	K2002882-044		4.3	0.34 ✓	129
IIC-7	K2002882-051		7.2	0.30	122
Method Blank	K2002882-MB		ND	ND	ND

Approved By: _____

JK

Date: _____

5/5/00

00009

3A/EPA/102/894

02882ICP.BR2 - Sample 5/4/00

Page No.:

AR 021435

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Tissue

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Solids, Total

Prep Method: NONE
Analysis Method: Freeze Dry
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Analyzed	Result	Result Notes
IA-7	K2002882-007	4/28/00	24.7	
IB-8	K2002882-015	4/28/00	22.7	
C1 (fish)	K2002882-024	4/28/00	25.2	
III C	K2002882-025	4/28/00	22.3	
II B 8	K2002882-044	4/28/00	22.1	
IIC-7	K2002882-051	4/28/00	23.9	

Approved By: _____

1A052595

02882JCP.BRL - Sample 5/4/00

Date: 5/4/00

00005

Page No.:

AR 021436

COLUMBIA ANALYTICAL SERVICES, INC.

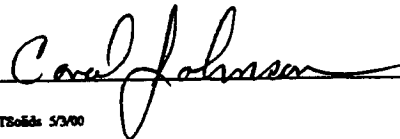
Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Tissue

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00
Date Analyzed: 5/2/00

Lipids
Gravimetric
Units: Percent (%)
As Received Basis

Sample Name	Lab Code	Result
IA-7	K2002882-007	2.62
IB-8	K2002882-015	3.05
C1 (fish)	K2002882-024	1.90
III C	K2002882-025	5.91
II B 8	K2002882-044	3.59
II C-7	K2002882-051	3.76

Approved By: 

Date: 5-3-00

00006

IA/102094
02882SVGLAB3 - T206da 5/3/00

Page No.:

AR 021437

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: Method Blank
Lab Code: K000501-SB2
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/1/00

1522/020597p

02882PHC115 - MB 5/5/00

00079

AR 021438

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00

Glycols
Modified EPA Methods 3550A/8015B
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name:	IA-4	IA-5	IA-6
Lab Code:	K2002882-004	K2002882-005	K2002882-006
Date Analyzed:	5/5/00	5/5/00	5/5/00

Analyte	MRL			
Ethylene Glycol	10	ND	ND	ND
Propylene Glycol	10	ND	ND	ND

Approved By: MMunthe

Date: 5/12/00

3522/102094
02882PHC.ME1 - 1-3 5/10/00

00080
Page No.:

AR 021439

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00

Glycols
Modified EPA Methods 3550A/8015B
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name:	IB-4	IB-5	IB-6
Lab Code:	K2002882-011	K2002882-012	K2002882-013
Date Analyzed:	5/5/00	5/5/00	5/5/00

Analyte	MRL			
Ethylene Glycol	10	ND	ND	ND
Propylene Glycol	10	ND	ND	ND

Approved By: M Manthe

Date: 5/16/00

00081

3822/102094
02882PHC.ME1 - 4-6 5/10/00

Page No.:

AR 021440

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00

Glycols
Modified EPA Methods 3550A/8015B
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name:	IB-7	IIA-4	IIA-5
Lab Code:	K2002882-014	K2002882-035	K2002882-036
Date Analyzed:	5/5/00	5/5/00	5/5/00

Analyte	MRL			
Ethylene Glycol	10	ND	ND	ND
Propylene Glycol	10	ND	ND	ND

Approved By: M. Manthe

Date: 5/11/00

00082

3S22/102094
02882PHC.ME1 - 7-9 5/10/00

Page No.:

AR 021441

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00

Glycols
Modified EPA Methods 3550A/8015B
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name:	IIA-6	II B 4	II B 5
Lab Code:	K2002882-037	K2002882-041	K2002882-042
Date Analyzed:	5/5/00	5/5/00	5/5/00

Analyte	MRL			
Ethylene Glycol	10	ND	ND	ND
Propylene Glycol	10	ND	ND	ND

Approved By: M. Manthe

Date: 5/12/00

00083

3S22/102094
02882PHC.ME1 - 10-12 5/10/00

Page No.:

AR 021442

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00

Glycols
Modified EPA Methods 3550A/8015B
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: II B 7 Method Blank
Lab Code: K2002882-043 K000502-SB
Date Analyzed: 5/5/00 5/5/00

Analyte	MRL		
Ethylene Glycol	10	ND	ND
Propylene Glycol	10	ND	ND

Approved By: M Manthe

Date: 5/11/00

00084

3S22/102094
02882PHC.ME1 - 13-MB 5/10/00

Page No.:

AR 021443

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-4
Lab Code: K2002882-004
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	94	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/8/00

1S22/020597p

02882PHCLLA - 4/5/00

00054

AR 021444

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-5
Lab Code: K2002882-005
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	420	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TL* Date: 5/8/00

00055

1522/020597p

02882PHC.LL4 - 5/5/00

Page No.:

AR 021445

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-6
Lab Code: K2002882-006
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	130	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/18/00

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AR 021446

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IB-4
Lab Code: K2002882-011
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	85	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *JV* Date: 5/8/00

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Page No.:

AR 021447

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-5
Lab Code: K2002882-012
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	90	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/8/00

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AR 021448

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-6
Lab Code: K2002882-013
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	100	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *ML* Date: 5/18/00

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AR 021449

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-7
Lab Code: K2002882-014
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	180	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

*
 PHC as Diesel Fuel: Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TL* Date: 5/8/00

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AR 021450

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IC-4
Lab Code: K2002882-019
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	210	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/8/00

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AR 021451

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IC-5
 Lab Code: K2002882-020
 Test Notes:

Units: mg/Kg (ppm)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	48	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/8/00

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AR 021452

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IC-6
 Lab Code: K2002882-021
 Test Notes:

Units: mg/Kg (ppm)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	55	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/6/00

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AR 021453

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: ID 4
Lab Code: K2002882-029
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	74	✓

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *74* Date: 5/8/00

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: ID 5
Lab Code: K2002882-030
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	74	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *JW* Date: 5/8/00

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AR 021455

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: ID 6
Lab Code: K2002882-031
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	51	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TM* Date: 5/8/00

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AR 021456

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIA-4
 Lab Code: K2002882-035
 Test Notes:

Units: mg/Kg (ppm)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	790	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: TV Date: 5/8/00

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AR 021457

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIA-5
Lab Code: K2002882-036
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	1700	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/8/00

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AR 021458

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIA-6
 Lab Code: K2002882-037
 Test Notes:

Units: mg/Kg (ppm)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	380	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/8/00

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AR 021459

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: II B 4
Lab Code: K2002882-041
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	59	✓
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *AV* Date: 5/8/00

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: II B 5
Lab Code: K2002882-042
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	38	✓
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TV* Date: 5/8/00

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AR 021461

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: II B 7
Lab Code: K2002882-043
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	75	✓
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/8/00

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AR 021462

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIC 4
Lab Code: K2002882-048
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	101	✓

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *JW* Date: *5/1/00*

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AR 021463

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIC 5
Lab Code: K2002882-049
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	98	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/18/00

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AR 021464

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Airport Communities Coalition
Water/Sediment Quality Monitoring/OO-101G
Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIC 6
Lab Code: K2002882-050
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* **Semi-quantitative.** Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/8/00
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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IID 4
Lab Code: K2002882-055
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	65	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/6/00

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AR 021466

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IID 5
Lab Code: K2002882-056
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	93	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/16/00

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AR 021467

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: NA
Date Received: NA

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IID 6
Lab Code: K2002882-057
Test Notes:

Units: mg/Kg (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/4/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/4/00	60	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/4/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/4/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *HW* Date: 5/8/00

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AR 021468

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: NA
Date Received: NA

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: Method Blank
Lab Code: K000501-SB1
Test Notes:

Units: mg/Kg (ppm)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Naphtha Distillate	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Jet Fuel as JP-4	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	*
Mineral Spirits	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Jet Fuel as Jet A	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Kerosene	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Diesel	EPA 3550B	8015B	10	1	5/1/00	5/3/00	ND	
Heavy Fuel Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Lube Oil	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
PHC as Diesel	EPA 3550B	8015B	25	1	5/1/00	5/3/00	ND	
Non-PHC as Diesel	EPA 3550B	8015B	50	1	5/1/00	5/3/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TM* Date: 5/3/00

1522/020597p

02882PHC.LL4 - MB 5/5/00

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Page No.:

AR 021469

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: NA
Date Analyzed: 4/26/00

Ammonia as Nitrogen*
EPA Method 350.1M
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name	Lab Code	MRL	Result
IC-4	K2002882-019	0.2	3.56
IC-5	K2002882-020	0.2	2.46
IC-6	K2002882-021	0.2	2.59
Method Blank	K2002882-MB	0.2	ND

well below 100 mg/Kg

M Modified
* Analysis was performed on a 2M KCl extract.

Approved By: _____



Date: 5/11/00 00008

1AMRL/102594

02882 WET.LJ1 - 1AMRL 5/11/00

Page No.:

AR 021470

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Analyzed	Result	Result Notes
IA-4	K2002882-004	4/20/00	72.6	
IA-5	K2002882-005	4/20/00	60.3	
IA-6	K2002882-006	4/20/00	75.2	
IB-4	K2002882-011	4/20/00	77.4	
IB-5	K2002882-012	4/20/00	72.4	
IB-6	K2002882-013	4/20/00	76.9	
IB-7	K2002882-014	4/20/00	74.7	
IC-4	K2002882-019	4/20/00	74.6	
IC-5	K2002882-020	4/20/00	76.4	
IC-6	K2002882-021	4/20/00	73.4	
ID 4	K2002882-029	4/20/00	74.3	
ID 5	K2002882-030	4/20/00	74.5	
ID 6	K2002882-031	4/20/00	75.7	
IIA-4	K2002882-035	4/20/00	54.8	
IIA-5	K2002882-036	4/20/00	48.7	
IIA-6	K2002882-037	4/20/00	64.1	
IIB 4	K2002882-041	4/20/00	81.4	
IIB 5	K2002882-042	4/20/00	80.1	
IIB 7	K2002882-043	4/20/00	85.8	
IIC 4	K2002882-048	4/20/00	63.3	
IIC 5	K2002882-049	4/20/00	64.5	
IIC 6	K2002882-050	4/20/00	74.9	
IID 4	K2002882-055	4/20/00	73.4	
IID 5	K2002882-056	4/20/00	65.2	
IID 6	K2002882-057	4/20/00	71.8	

Approved By: JC

Date: 4/26/00

TSOLIDS.XLT_Sample/01071998a

00007

0288275.AB1 - 057 4/21/00

Page No.:

AR 021471

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

029F
Client:
Project:
Sample Matrix:

Airport Communities Coalition
 Water/Sediment Quality Monitoring/00-101G
 Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-1
Lab Code: K2002882-001
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

*
 PHC as Diesel Fuel: Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 Non-PHC as Diesel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/10/00

1S22/020597p

02882PHC.KR1 - 1 5/3/00

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 Page No.:

AR 021472

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-2
Lab Code: K2002882-002
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/10/00

1522/020597p

02882PHC.KR1 - 2/5/00

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AR 021473

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IA-3
Lab Code: K2002882-003
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *M* Date: 5/10/00

1522/020597p

02882PHC.KRJ - 3 5/3/00

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AR 021474

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-1
Lab Code: K2002882-008
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TR* Date: 5/10/00

1S22/020597p

02882PHC.KR1 - 4/5/00

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 Page No.

AR 021475

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-2
Lab Code: K2002882-009
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/10/00

1522/020597p

02882PHC.KR1 - 5/9/00

00030

AR 021476

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IB-3
Lab Code: K2002882-010
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *74* Date: 5/10/00

1S22/020597p

02882PHC.KRJ - 6/5/00

00031

AR 021477

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IC-2
Lab Code: K2002882-017
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TAP* Date: 5/10/00

1S22/020597p

02882PHC.KR2 - 1 5/3/00

00032

AR 021478

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IC-3
Lab Code: K2002882-018
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TK* Date: 5/10/00

1522/020597p

02882PHC.KR2 - 2 5/3/00

00033

AR 021479

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/18/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: C1 (tph)
Lab Code: K2002882-023
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TV* Date: 5/10/00

1522/020597p

02882PHC.KR2 - 3 5/3/00

0003

AR 021480

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: ID 1
Lab Code: K2002882-026
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/11/00

1S22/020597p

02882PHC.KR2 - 4/5/00

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AR 021481

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: ID 2
Lab Code: K2002882-027
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TR* Date: 5/10/00

1522/020597p

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02882PHC.KR2 - 5 5/3/00

Page No.:

AR 021482

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: ID 3
Lab Code: K2002882-028
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/29/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/29/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/29/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *ML* Date: 5/10/00

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02882PHC.KR2 - 6 5/3/00

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AR 021483

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIA-1
Lab Code: K2002882-032
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TY* Date: 5/2/00

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AR 021484

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIA-2
Lab Code: K2002882-033
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/10/00

1822/020597p

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AR 021485

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIA-3
Lab Code: K2002882-034
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ Date: 5/10/00

1822/020597p

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AR 021486

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: II B 1
 Lab Code: K2002882-038
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TV* Date: 5/18/00

1822/020597p

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: II B 2
Lab Code: K2002882-039
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *FW* Date: 5/10/00

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 Page No.:

AR 021488

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Airport Communities Coalition
Water/Sediment Quality Monitoring/OO-101G
Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: II B 3
Lab Code: K2002882-040
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *HW* Date: 5/10/00

1822/020997p

02882PHC.LL1 - 40 5/4/00

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AR 021489

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IIC 1
Lab Code: K2002882-045
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TN* Date: 5/18/00

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02882PHC.LL2 - 45 5/4/00

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AR 021490

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIC 2
Lab Code: K2002882-046
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *74* Date: 5/10/00

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00045

AR 021491

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIC 2 **Units:** ug/L (ppb)
Lab Code: K2002882-046R **Basis:** NA
Test Notes: H

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Kerosene	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Diesel	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	5/1/00	5/2/00	ND	

H

The analysis was performed past the recommended hold time; see case narrative.

*

Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.

PHC as Diesel Fuel:
 Non-PHC as Diesel:

Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *N* Date: 5/2/00

1822/020597p

02882PHC.LL3 - 46R 5/10/00

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 Page No.:

AR 021492

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IIC 3
Lab Code: K2002882-047
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TR* Date: 5/10/00

1522/020597p

02882PHC.L12 - 47 5/4/00

00047
 Page No.

AR 021493

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IID 1
Lab Code: K2002882-052
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/10/00

1572/020597p

02882PHC.L12 - 5/ 5/4/00

00048

AR 021494

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IID 2
Lab Code: K2002882-053
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TV* Date: 5/10/00
 1522/020597p

02882PHC.L12 - 53 5/4/00

00049

AR 021495

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: IID 3
Lab Code: K2002882-054
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TH* Date: 5/10/00

1822/020597p

02882PHC.L1.2 - 54 5/4/00

00050

AR 021496

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: NA
Date Received: NA

Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: Method Blank
Lab Code: K000424-WB
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *MA* Date: 5/10/00

1522/020597p

02882PHC.KRL - MB 5/10/00

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 Page No.:

AR 021497

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: NA
Date Received: NA

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: Method Blank
Lab Code: K000424-WB2
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Kerosene	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Diesel	EPA 3510C	8015B	100	1	4/24/00	4/28/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	4/24/00	4/28/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	4/24/00	4/28/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *TV* Date: *5/10/00*

1S22/020597p

02882PHC.LL1 - MB 5/10/00

00052

AR 021498

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: NA
Date Received: NA

**Semivolatile Petroleum Products
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Sample Name: Method Blank
Lab Code: K000501-WB
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Gasoline	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Naphtha Distillate	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Jet Fuel as JP-4	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	*
Mineral Spirits	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Jet Fuel as Jet A	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Kerosene	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Diesel	EPA 3510C	8015B	100	1	5/1/00	5/2/00	ND	
Heavy Fuel Oil	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
Lube Oil	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
PHC as Diesel	EPA 3510C	8015B	250	1	5/1/00	5/2/00	ND	
Non-PHC as Diesel	EPA 3510C	8015B	500	1	5/1/00	5/2/00	ND	

* Semi-quantitative. Results are expected to exhibit a low bias due to the extraction procedure.
 PHC as Diesel Fuel: Extractable Petroleum Hydrocarbon fingerprint not matching any of the target analytes.
 Non-PHC as Diesel: Non-Petroleum Hydrocarbon components eluting in the extractable range of n-C8 - n-C44.

Approved By: _____ *ML* Date: 5/10/00

1522/020597p

020522PHC113 - MB 5/4/00

00053

AR 021499

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/27, 5/3/00

Total Metals
 Units: mg/Kg (ppm)
 Dry Weight Basis

Sample Name:	IB-7	II B 7	Method Blank
Lab Code:	K2002882-014	K2002882-043	K2002882-MB1
Date Analyzed:	4/28, 5/3/00	4/28, 5/3/00	4/28, 5/3/00

Analyte	EPA		MRL		
	Method				
Arsenic	200.8	0.5	4.5	2.7	ND
Cadmium	200.8	0.05	0.23	0.14	ND
Chromium	200.8	0.2	18.2	10.9	ND
Copper	200.8	0.1	11.1	7.5	ND
Lead	200.8	0.05	33.5	5.54	ND
Mercury	200.8	0.2	ND	ND	ND
Nickel	200.8	0.2	21.5	16.8	ND
Silver	200.8	0.02	0.04	0.02	ND
Zinc	200.8	0.5	80.6	35.9	ND

Approved By: _____

JC

Date: _____

5/5/00

00012

3530EPA/182094
 02882ICP.BR4 - 14, G, MB 5/4/00

Page No.:

AR 021500

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: NA
Date Received: NA
Date Extracted: 4/27/00

Total Metals
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: Method Blank
Lab Code: K2002882-MB2
Date Analyzed: 4/28/00

Analyte	EPA Method	MRL	
Cadmium	200.8	0.05	ND
Chromium	200.8	0.2	ND
Copper	200.8	0.1	ND
Lead	200.8	0.05	ND
Nickel	200.8	0.2	ND
Zinc	200.8	0.5	ND

Approved By: _____



Date: _____

5/5/00

00013

3830EPA/102094
028821CP.BR.4 - MB2 5/4/00

Page No.:

AR 021501

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Organochlorine Pesticides

Sample Name: IB-7
Lab Code: K2002882-014
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
alpha-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
beta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-BHC (Lindane)	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
delta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Aldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor Epoxide	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan I	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
alpha-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Dieldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	1.6	
4,4'-DDE	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan II	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDD	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Aldehyde	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan Sulfate	EPA 3540C	8081A	1	1	4/21/00	4/25/00	1.7	
4,4'-DDT	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Ketone	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Methoxychlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Toxaphene	EPA 3540C	8081A	50	1	4/21/00	4/25/00	ND	

Approved By: _____



Date: _____

5/11/00

1522/02097p

02882SVG.AY1 - 14 5/11/00

00014
Page No:

AR 021502

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Organochlorine Pesticides

Sample Name: II B 7
Lab Code: K2002882-043
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
alpha-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
beta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-BHC (Lindane)	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
delta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Aldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor Epoxide	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan I	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
alpha-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Dieldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDE	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan II	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDD	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Aldehyde	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan Sulfate	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDT	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Ketone	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Methoxychlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Toxaphene	EPA 3540C	8081A	140	1	4/21/00	4/25/00	ND	B

B

The MRL is elevated because of matrix interferences.

Approved By: WN Date: 4-27-00

1572/020397p

02882SVG.AY1 - 43 4/26/00

00015

Page No.:

AR 021503

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: NA
 Date Received: NA

Organochlorine Pesticides

Sample Name: Method Blank
 Lab Code: KWG2001447-7
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
alpha-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
beta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-BHC (Lindane)	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
delta-BHC	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Aldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Heptachlor Epoxide	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
gamma-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan I	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
alpha-Chlordane	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Dieldrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDE	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan II	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDD	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Aldehyde	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endosulfan Sulfate	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
4,4'-DDT	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Endrin Ketone	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Methoxychlor	EPA 3540C	8081A	1	1	4/21/00	4/25/00	ND	
Toxaphene	EPA 3540C	8081A	50	1	4/21/00	4/25/00	ND	

Approved By: VN Date: 4-27-00

1522/020597p

028825VGAT1 - MB 4/26/00

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Page No.:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Polychlorinated Biphenyls (PCBs)

Sample Name: IB-7
Lab Code: K2002882-014
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Aroclor 1016	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	
Aroclor 1221	EPA 3540C	8082	20	1	4/21/00	4/26/00	ND	
Aroclor 1232	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	
Aroclor 1242	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	
Aroclor 1248	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	
Aroclor 1254	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	
Aroclor 1260	EPA 3540C	8082	10	1	4/21/00	4/26/00	ND	

Approved By: WJ **Date:** 4-28-00

1S22/020597p

028825VGA172 - 14 4/28/00

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AR 021505

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Polychlorinated Biphenyls (PCBs)

Sample Name: II B 7
Lab Code: K2002882-043
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Aroclor 1016	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1221	EPA 3540C	8082	20	1	4/21/00	4/25/00	ND	
Aroclor 1232	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1242	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1248	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1254	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1260	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	

Approved By: VW

Date: 4-28-00

1S22/020997p

028825VGLAT2 - 43 4/28/00

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AR 021506

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG2001447-7
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Aroclor 1016	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1221	EPA 3540C	8082	20	1	4/21/00	4/25/00	ND	
Aroclor 1232	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1242	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1248	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1254	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	
Aroclor 1260	EPA 3540C	8082	10	1	4/21/00	4/25/00	ND	

Approved By: W

Date: 4-28-00

1522/020597p

02882SVG.AY2 - MB 4/28/00

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Page No.:

AR 021507

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: IB-7
Lab Code: K2002882-014
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Phenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroethyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Chlorophenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
1,3-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,4-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,2-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzyl Alcohol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroisopropyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylphenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Hexachloroethane	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
N-Nitrosodi-n-propylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Methylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
Nitrobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Isophorone	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitrophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2,4-Dimethylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
bis(2-Chloroethoxy)methane	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dichlorophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
1,2,4-Trichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Naphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzoic Acid	EPA 3550B	SIM	250	1	4/30/00	5/1/00	ND	
4-Chloroaniline	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorobutadiene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylnaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chloro-3-methylphenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorocyclopentadiene	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4,6-Trichlorophenol	EPA 3550B	SIM	30	1	4/30/00	5/1/00	ND	
2,4,5-Trichlorophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2-Chloronaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Dimethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,6-Dinitrotoluene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
3-Nitroaniline	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4-Dinitrophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Dibenzofuran	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dinitrotoluene	EPA 3550B	SIM	20	1	4/30/00	5/1/00	ND	
4-Nitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Fluorene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chlorophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Diethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methyl-4,6-dinitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	

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Approved By: _____



Date: _____

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Airport Communities Coalition
Water/Sediment Quality Monitoring/OO-101G
Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: IB-7
Lab Code: K2002882-014
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
N-Nitrosodiphenylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Bromophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Hexachlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Pentachlorophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Phenanthrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	20	✓
Anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Carbazole	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Di-n-butyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	65	no
Pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	56	yes
Butyl Benzyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benz(a)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	35	yes
Chrysene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	44	no
3,3'-Dichlorobenzidine	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	?
Bis(2-ethylhexyl) Phthalate	EPA 3550B	SIM	200	1	4/30/00	5/1/00	209	?
Di-n-octyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(b)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	33	no
Benzo(k)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	43	no dry
Benzo(a)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	40	with basis
Indeno(1,2,3-cd)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	22	
Dibenz(a,h)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(g,h,i)perylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	23	

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Approved By: _____

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Date: 5/11/00

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Page No.:

AR 021509

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: II B 7
Lab Code: K2002882-043
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Phenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroethyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Chlorophenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
1,3-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,4-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,2-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzyl Alcohol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroisopropyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylphenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Hexachloroethane	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
N-Nitrosodi-n-propylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Methylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
Nitrobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Isophorone	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitrophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2,4-Dimethylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
bis(2-Chloroethoxy)methane	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dichlorophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
1,2,4-Trichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Naphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzoic Acid	EPA 3550B	SIM	250	1	4/30/00	5/1/00	ND	
4-Chloroaniline	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorobutadiene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylnaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chloro-3-methylphenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorocyclopentadiene	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4,6-Trichlorophenol	EPA 3550B	SIM	30	1	4/30/00	5/1/00	ND	
2,4,5-Trichlorophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2-Chloronaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Dimethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,6-Dinitrotoluene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
3-Nitroaniline	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4-Dinitrophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Dibenzofuran	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dinitrotoluene	EPA 3550B	SIM	20	1	4/30/00	5/1/00	ND	
4-Nitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Fluorene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chlorophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Diethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methyl-4,6-dinitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	

Approved By:  Date: 5/11/00 **00022**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: II B 7
Lab Code: K2002882-043
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
N-Nitrosodiphenylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Bromophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Hexachlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Pentachlorophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Phenanthrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Carbazole	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Di-n-butyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	15	✓
Pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	13	✓
Butyl Benzyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benz(a)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Chrysene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
3,3'-Dichlorobenzidine	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
Bis(2-ethylhexyl) Phthalate	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
Di-n-octyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(b)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(k)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(a)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Indeno(1,2,3-cd)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Dibenz(a,h)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(g,h,i)perylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	

Approved By: _____



Date: _____

5/11/00

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AR 021511

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: NA
 Date Received: NA

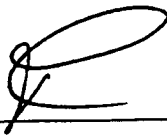
Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: Method Blank
 Lab Code: KWG2001549-4
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Phenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroethyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Chlorophenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
1,3-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,4-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
1,2-Dichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzyl Alcohol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Bis(2-chloroisopropyl) Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylphenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Hexachloroethane	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
N-Nitrosodi-n-propylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Methylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
Nitrobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Isophorone	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitrophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2,4-Dimethylphenol	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
bis(2-Chloroethoxy)methane	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dichlorophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
1,2,4-Trichlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Naphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzoic Acid	EPA 3550B	SIM	250	1	4/30/00	5/1/00	ND	
4-Chloroaniline	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorobutadiene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methylnaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chloro-3-methylphenol	EPA 3550B	SIM	50	1	4/30/00	5/1/00	ND	
Hexachlorocyclopentadiene	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4,6-Trichlorophenol	EPA 3550B	SIM	30	1	4/30/00	5/1/00	ND	
2,4,5-Trichlorophenol	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
2-Chloronaphthalene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Dimethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,6-Dinitrotoluene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Acenaphthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
3-Nitroaniline	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
2,4-Dinitrophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Dibenzofuran	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2,4-Dinitrotoluene	EPA 3550B	SIM	20	1	4/30/00	5/1/00	ND	
4-Nitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	
Fluorene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Chlorophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Diethyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Nitroaniline	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
2-Methyl-4,6-dinitrophenol	EPA 3550B	SIM	100	1	4/30/00	5/1/00	ND	

Approved By: _____



Date: _____

5/11/00

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: NA
Date Received: NA

Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: Method Blank
Lab Code: KWG2001549-4
Test Notes:

Units: ug/Kg (ppb)
Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
N-Nitrosodiphenylamine	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
4-Bromophenyl Phenyl Ether	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Hexachlorobenzene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Pentachlorophenol	EPA 3550B	SIM	300	1	4/30/00	5/1/00	ND	
Phenanthrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Carbazole	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Di-n-butyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Butyl Benzyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(a)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Chrysene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
3,3'-Dichlorobenzidine	EPA 3550B	SIM	40	1	4/30/00	5/1/00	ND	
Bis(2-ethylhexyl) Phthalate	EPA 3550B	SIM	200	1	4/30/00	5/1/00	ND	
Di-n-octyl Phthalate	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(b)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(k)fluoranthene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(a)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Indeno(1,2,3-cd)pyrene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Dibenz(a,h)anthracene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	
Benzo(g,h,i)perylene	EPA 3550B	SIM	10	1	4/30/00	5/1/00	ND	

Approved By: _____



Date: _____

5/11/00

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AR 021513

**APPENDIX A
QA/QC RESULTS**

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AR 021514

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Tissue

Service Request: K2002882
Date Collected: 4/18/00
Date Received: 4/19/00
Date Extracted: NA
Date Analyzed: 4/28/00

Duplicate Summary
Total Metals

Sample Name: C1 (fish)
Lab Code: K2002882-024DUP
Test Notes:

Units: PERCENT
Basis: Wet

Analyte	Prep Method	Analysis Method	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total	NA	Freeze Dry	25.2	24.7	25.0	2	

Approved By: _____



Date: _____

5/4/00

DUP/05295
02882/CP.BR1 - DUP 5/4/00

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Page No.:

AR 021515

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Tissue

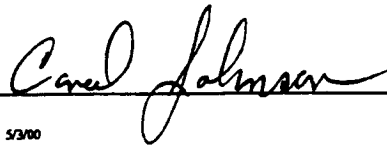
Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00
Date Analyzed: 5/2/00

Duplicate Summary
Lipids
Gravimetric
Units: Percent (%)
As Received Basis

Sample Name: Batch QC
Lab Code: K2002882-025DUP

Analyte	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Lipids	5.91	5.78	5.85	2

Approved By:



Date: 5-3-00

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028825VG.AB3 - dup 5/3/00

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AR 021516

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00

Duplicate Summary

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Analyzed	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
IA-4	K2002882-004DUP	4/20/00	72.6	73.6	73.1	1	
IIC 4	K2002882-048DUP	4/20/00	63.3	65.2	64.3	3	

Approved By: JC

Date: 4/26/00

TSOLIDS.XLT_DUP/09291998

028827S.AB1 - DUP 4/21/00

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AR 021517

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: NA
Date Analyzed: 4/26/00

Duplicate Summary
Ammonia as Nitrogen*
EPA Method 350.1M
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name	Lab Code	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
IC-4	K2002882-019DUP	0.2	3.56	3.51	3.54	1

M Modified
* Analysis was performed on a 2M KCl extract.

Approved By: _____



Date: _____

5/11/00

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02882WET.LJ1 - DUP 5/11/00

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AR 021518

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: NA
Date Analyzed: 4/26/00

Matrix Spike Summary
Ammonia as Nitrogen*
EPA Method 350.1M
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name	Lab Code	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
IC-4	K2002882-019MS	0.2	944	3.56	1000	106	75-125

M Modified
* Analysis was performed on a 2M KCl extract.

Approved By: _____



Date: _____

5/11/00

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02882WET.LJ1 - MS 3/11/00

Page No.:

AR 021519

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Tissue

Service Request: K2002882
Date Collected: 4/18/00
Date Received: 4/19/00
Date Extracted: 5/2/00
Date Analyzed: 5/3/00

Duplicate Summary
Total Metals
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: C1 (fish)
Lab Code: K2002882-024DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Copper	200.8	0.1	2.0	2.2	2.1	10
Lead	200.8	0.02	0.08	0.09	0.08	12
Zinc	200.8	0.5	63.3	68.5	65.9	8

Approved By: _____ Date: 5/5/00

DUP1SEPA/102194
02882ICP.BR2 - DUP 5/4/00

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AR 021520

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Tissue

Service Request: K2002882
Date Collected: 4/18/00
Date Received: 4/19/00
Date Extracted: 5/2/00
Date Analyzed: 5/3/00

Matrix Spike Summary
Total Metals
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: C1 (fish)
Lab Code: K2002882-024MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Copper	0.1	24	2.0	24.8	95	60-130
Lead	0.02	48	0.08	49.7	101	60-130
Zinc	0.5	48	63.3	125	129	60-130

Approved By: _____



Date: _____

5/5/00

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02882CP.BR2 - Spike 5/4/00

Page No.:

AR 021521

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/28/00
Date Analyzed: 4/28/00

Duplicate Summary
Total Metals
Units: µg/L (ppb)

Sample Name: IA-1
Lab Code: K2002882-001DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Copper	200.8	0.1	2.5	2.5	2.5	<1
Lead	200.8	0.02	1.27	1.35	1.31	6
Zinc	200.8	0.5	16.5	17.1	16.8	4

Approved By: _____ Date: 5/5/00

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02882/CP.BR3 - DUP 1W 5/4/00

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AR 021522

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/28/00
Date Analyzed: 4/28/00

Duplicate Summary
Total Metals
Units: µg/L (ppb)

Sample Name: ID 1
Lab Code: K2002882-026DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Copper	200.8	0.1	1.7	1.6	1.6	6
Lead	200.8	0.02	0.62	0.58	0.60	7
Zinc	200.8	0.5	4.5	4.4	4.4	2

Approved By: _____



Date: _____



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02882/CP.BR3 - DUP 26W 5/4/00

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AR 021523

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/28/00
Date Analyzed: 4/28/00

Duplicate Summary
Total Metals
Units: µg/L (ppb)

Sample Name: IIC 2
Lab Code: K2002882-046DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Copper	200.8	0.1	2.4	2.4	2.4	<1
Lead	200.8	0.02	0.40	0.38	0.39	5
Zinc	200.8	0.5	5.6	5.2	5.4	7

Approved By: _____

QC

Date: _____

5/5/00

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AR 021524

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/28/00
Date Analyzed: 4/28/00

Matrix Spike Summary
Total Metals
Units: µg/L (ppb)

Sample Name: IA-1
Lab Code: K2002882-001MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Copper	0.1	20	2.5	21.3	94	75-125
Lead	0.02	20	1.27	21.0	99	75-125
Zinc	0.5	20	16.5	35.8	96	75-12

Approved By: _____



Date: _____

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AR 021525

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/28/00
Date Analyzed: 4/28/00

Matrix Spike Summary
Total Metals
Units: µg/L (ppb)

Sample Name: ID 1
Lab Code: K2002882-026MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Copper	0.1	20	1.7	19.6	90	75-125
Lead	0.02	20	0.62	19.4	94	75-125
Zinc	0.5	20	4.5	22.5	90	75-125

Approved By: _____



Date: _____

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AR 021526

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/28/00
 Date Analyzed: 4/28/00

Matrix Spike Summary
 Total Metals
 Units: µg/L (ppb)

Sample Name: IIC 2
 Lab Code: K2002882-046MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Copper	0.1	20	2.4	20.9	92	75-125
Lead	0.02	20	0.40	20.1	98	75-125
Zinc	0.5	20	5.6	24.5	94	75-125

Approved By: _____



Date: _____

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Page No.:

AR 021527

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/27, 5/3/00
 Date Analyzed: 4/28, 5/3/00

Duplicate Summary
 Total Metals
 Units: mg/Kg (ppm)
 Dry Weight Basis

Sample Name: IB-7
 Lab Code: K2002882-014DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Arsenic	200.8	0.5	4.5	3.9	4.2	14
Cadmium	200.8	0.05	0.23	0.17	0.20	30
Chromium	200.8	0.2	18.2	18.9	18.6	4
Copper	200.8	0.1	11.1	9.6	10.4	14
Lead	200.8	0.05	33.5	28.7	31.1	15
Mercury	200.8	0.2	ND	ND	ND	-
Nickel	200.8	0.2	21.5	23.0	22.2	7
Silver	200.8	0.02	0.04	0.04	0.04	<1
Zinc	200.8	0.5	80.6	80.6	80.6	<1

Approved By: _____

JK

Date: _____

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Page No.:

AR 021528

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

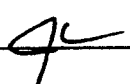
Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/27/00
Date Analyzed: 4/28/00

Duplicate Summary
Total Metals
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: IID 6
Lab Code: K2002882-057DUP

Analyte	EPA Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference
Cadmium	200.8	0.05	0.16	0.17	0.16	6
Chromium	200.8	0.2	27.8	22.2	25.0	22
Copper	200.8	0.1	10.3	11.0	10.6	7
Lead	200.8	0.05	7.47	8.90	8.18	17
Nickel	200.8	0.2	23.2	26.0	24.6	11
Zinc	200.8	0.5	54.3	62.8	58.6	15

Approved By: _____



Date: _____

5/5/00

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AR 021529

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/27, 5/3/00
 Date Analyzed: 4/28, 5/3/00

Matrix Spike Summary
 Total Metals
 Units: mg/Kg (ppm)
 Dry Weight Basis

Sample Name: IB-7
 Lab Code: K2002882-014MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Arsenic	0.5	450	4.5	459	101	60-130
Cadmium	0.05	11	0.23	10.6	94	60-130
Chromium	0.2	45	18.2	60.0	93	60-130
Copper	0.1	56	11.1	63.4	93	60-130
Lead	0.05	110	33.5	152	108	60-130
Mercury	0.2	0.5	ND	0.5	100	60-130
Nickel	0.2	110	21.5	127	96	60-130
Silver	0.02	11	0.04	8.68	79	60-130
Zinc	0.5	110	80.6	191	100	60-130

Approved By: _____ Date: 5/5/00

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 Page No.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/27/00
Date Analyzed: 4/28/00

Matrix Spike Summary
Total Metals
Units: mg/Kg (ppm)
Dry Weight Basis

Sample Name: IID 6
Lab Code: K2002882-057MS

Analyte	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits
Cadmium	0.05	12	0.16	10.6	87	60-130
Chromium	0.2	46	27.8	60.4	71	60-130
Copper	0.1	58	10.3	60.9	87	60-130
Lead	0.05	120	7.47	127	100	60-130
Nickel	0.2	120	23.2	128	87	60-130
Zinc	0.5	120	54.3	163	91	60-130

Approved By: _____



Date: _____

5/5/00

MS15/102194

028821CP.BR4 - Spike 57 S 5/4/00

00102

Page No.:

AR 021531

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/21/00
Date Analyzed: 4/25/00

Surrogate Recovery Summary
Organochlorine Pesticides

Prep Method: EPA 3540C
Analysis Method: 8081A

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	Percent Recovery	
			Tetrachloro-m-xylene	Decachlorobiphenyl
IB-7	K2002882-014		90	68
II B 7	K2002882-043		86	71
IB-7	K2002882-014MS		91	84
IB-7	K2002882-014DMS		82	69
Method Blank	KWG2001447-7		85	78

CAS Acceptance Limits: 20-107 20-142

Approved By: VW

Date: 4-27-00

SUR2/111397p

028825VG.AY1 - SUR2 4/27/00

00103

AR 021532

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/21/00
 Date Analyzed: 4/25/00

Matrix Spike/Duplicate Matrix Spike Summary
 Organochlorine Pesticides

Sample Name: IB-7
 Lab Code: K2002882-014MS, K2002882-014DMS
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Dry

Analyte	Prep Method	Analysis Method	Spike Level		Sample Result	Spike Result		Percent Recovery				Result Notes	
			MRL	MS		DMS	MS	DMS	MS	DMS	CAS Acceptance Limits		Relative Percent Difference
alpha-BHC	EPA 3540C	8081A	1	14	14	ND	12	12	86	86	35-145	<1	
beta-BHC	EPA 3540C	8081A	1	14	14	ND	12	12	86	86	35-145	<1	
gamma-BHC (Lindane)	EPA 3540C	8081A	1	14	14	ND	14	14	100	100	20-141	<1	
delta-BHC	EPA 3540C	8081A	1	9.8	9.8	ND	7.3	7.2	74	73	35-145	1	
Heptachlor	EPA 3540C	8081A	1	14	14	ND	14	14	100	100	20-108	<1	
Aldrin	EPA 3540C	8081A	1	14	14	ND	12	13	86	93	20-181	8	
Heptachlor Epoxide	EPA 3540C	8081A	1	14	14	ND	13	13	93	93	35-145	<1	
gamma-Chlordane	EPA 3540C	8081A	1	14	14	ND	12	12	86	86	35-145	<1	
Endosulfan I	EPA 3540C	8081A	1	14	14	ND	14	14	100	100	35-145	<1	
alpha-Chlordane	EPA 3540C	8081A	1	14	14	ND	13	12	93	86	35-145	8	
Dieldrin	EPA 3540C	8081A	1	14	14	ND	13	13	93	93	20-183	<1	
4,4'-DDE	EPA 3540C	8081A	1	14	14	1.6	14	14	89	89	35-145	<1	
Endrin	EPA 3540C	8081A	1	14	14	ND	14	14	100	100	20-164	<1	
Endosulfan II	EPA 3540C	8081A	1	14	14	ND	13	13	93	93	35-145	<1	
4,4'-DDD	EPA 3540C	8081A	1	14	14	ND	14	13	100	93	35-145	7	
Endrin Aldehyde	EPA 3540C	8081A	1	14	14	ND	8.7	8.2	62	59	35-145	6	
Endosulfan Sulfate	EPA 3540C	8081A	1	14	14	ND	11	11	79	79	35-145	<1	
4,4'-DDT	EPA 3540C	8081A	1	14	14	1.7	14	14	88	88	20-185	<1	
Endrin Ketone	EPA 3540C	8081A	1	14	14	ND	15	16	107	114	35-145	6	
Methoxychlor	EPA 3540C	8081A	1	14	14	ND	13	13	93	93	35-145	<1	

Approved By: VN

Date: 4-27-00

DMS/020597p

028825VG.AY1 - DMS 4/26/00

00104
Page No.

AR 021533

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/21/00
Date Analyzed: 4/25 - 26/00

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Prep Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	Percent Recovery Decachlorobiphenyl
IB-7	K2002882-014		95
II B 7	K2002882-043		95
IB-7	K2002882-014MS		94
IB-7	K2002882-014DMS		100
Method Blank	KWG2001447-7		99

CAS Acceptance Limits: 20-142

Approved By: VW

Date: 4-28-00

00105

SUR1/110697p
028825VGAY2 - SUR 4/28/00

Page No.:

AR 021534

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/21/00
 Date Analyzed: 4/25/00

Matrix Spike/Duplicate Matrix Spike Summary
 Polychlorinated Biphenyls (PCBs)

Sample Name: IB-7
 Lab Code: K2002882-014MS, K2002882-014DMS
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Percent Recovery				Result Notes
				MS	DMS		MS	DMS	MS	DMS	CAS	Relative	
				MS	DMS		MS	DMS	MS	DMS	Acceptance Limits	Percent Difference	
Aroclor 1016	EPA 3540C	8082	10	140	140	ND	130	130	93	93	35-145	<1	
Aroclor 1260	EPA 3540C	8082	10	140	140	ND	130	140	93	100	35-145	7	

Approved By: VAJ Date: 4-28-00
 DMS/020597p
 028825V.GAY2 - DMS 4/28/00

00106
 Page No.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/30/00
 Date Analyzed: 5/1-2/00

Surrogate Recovery Summary
 Base Neutral/Acid Semivolatile Organic Compounds

Prep Method: EPA 3550B
 Analysis Method: SIM

Units: PERCENT
 Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y					TPH
			2FPHL	PHLD6	NBZ	2FBPH	246TBPHL	
IB-7	K2002882-014		40	41	32	46	66	69
II B 7	K2002882-043		58	66	61	61	74	85
II B 7	K2002882-043MS		64	65	63	68	83	78
II B 7	K2002882-043DMS		51	57	56	54	80	82
Method Blank	KWG2001549-4		67	71	65	79	62	121

CAS Acceptance Limits: 31-106 37-104 22-123 15-117 12-116 19-140

2FPHL 2-Fluorophenol
 PHLD6 Phenol-d6
 NBZ Nitrobenzene-d5
 2FBPH 2-Fluorobiphenyl
 246TBPHL 2,4,6-Tribromophenol
 TPH p-Terphenyl-d14

Approved By: _____

C. Koenig

Date: **MAY 03 2000**

SUR 6071 4/22/00 SVMLAY1 - SUR 5/2/00

00107
 Page No.:

AR 021536

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/30/00
 Date Analyzed: 5/2/00

Matrix Spike/Duplicate Matrix Spike Summary
 Base Neutral/Acid Semivolatile Organic Compounds

Sample Name: II B 7
 Lab Code: K2002882-043MS, K2002882-043DMS
 Test Notes:

Units: ug/Kg (ppb)
 Basis: Dry

Analyte	Prep Method	Analysis Method	Percent Recovery										Result Notes
			Spike Level		Sample Result	Spike Result		CAS Acceptance		Relative Percent Difference			
			MRL	MS		DMS	MS	DMS	MS		DMS	Limits	
Phenol	EPA 3550B	SIM	50	250	240	ND	150	130	60	54	20-99	11	
2-Chlorophenol	EPA 3550B	SIM	50	250	240	ND	150	120	60	50	17-98	18	
1,4-Dichlorobenzene	EPA 3550B	SIM	10	250	240	ND	130	86	52	36	10-109	36	
N-Nitrosodi-n-propylami	EPA 3550B	SIM	10	250	240	ND	140	130	56	54	12-135	4	
1,2,4-Trichlorobenzene	EPA 3550B	SIM	10	250	240	ND	140	100	56	42	21-100	29	
4-Chloro-3-methylpheno	EPA 3550B	SIM	50	250	240	ND	150	140	60	58	15-113	3	
Acenaphthene	EPA 3550B	SIM	10	250	240	ND	160	130	64	54	26-104	17	
2,4-Dinitrotoluene	EPA 3550B	SIM	20	250	240	ND	170	170	68	71	26-149	4	
4-Nitrophenol	EPA 3550B	SIM	100	250	240	ND	160	160	64	67	10-186	5	
Pentachlorophenol	EPA 3550B	SIM	300	250	240	ND	180	170	72	71	10-145	1	
Pyrene	EPA 3550B	SIM	10	250	240	13	180	200	67	78	18-144	15	

Approved By: _____

C. Haines

Date: _____

MAY 03 2000

00108

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17-18/00
Date Received: 4/19/00
Date Extracted: 4/24/00
Date Analyzed: 4/28-29/00

**Surrogate Recovery Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Prep Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y		
			o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
IA-1	K2002882-001		85	75	80
IA-2	K2002882-002		80	66	77
IA-3	K2002882-003		77	66	73
IB-1	K2002882-008		91	72	86
IB-2	K2002882-009		83	68	78
IB-3	K2002882-010		73	63	69
IC-2	K2002882-017		81	66	77
IC-3	K2002882-018		80	64	76
C1 (tph)	K2002882-023		82	66	78
ID 1	K2002882-026		78	58	74
ID 2	K2002882-027		78	60	74
ID 3	K2002882-028		72	59	68
C1 (tph)	K2002882-023MS		80	68	78
C1 (tph)	K2002882-023DMS		81	76	78
Method Blank	K000424-WB		80	61	77

CAS Acceptance Limits: 50-150 35-150 50-150

Approved By: _____ *ML* Date: 5/10/00

SUR3/020597p
 02882PHC.KR1 - SUR 5/10/00

00109
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AR 021538

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Water

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 4/24/00
Date Analyzed: 4/28/00

Surrogate Recovery Summary
Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Prep Method: EPA 3510C
Analysis Method: 8015B

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y		
			o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
IIA-1	K2002882-032		81	68	77
IIA-2	K2002882-033		76	61	71
IIA-3	K2002882-034		74	58	69
IIB 1	K2002882-038		74	62	70
IIB 2	K2002882-039		72	59	68
IIB 3	K2002882-040		72	57	68
IIC 1	K2002882-045		74	63	69
IIC 2	K2002882-046		51	40	48 A
IIC 3	K2002882-047		75	61	70
IID 1	K2002882-052		72	59	67
IID 2	K2002882-053		80	65	75
IID 3	K2002882-054		68	54	63
IID 2	K2002882-053MS		69	66	66
IID 2	K2002882-053DMS		74	70	71
Lab Control Sample	K000424-WL2		68	54	63
Method Blank	K000424-WB2		68	56	63

CAS Acceptance Limits: 50-150 35-150 50-150

A Outside acceptance limits; see case narrative.

Approved By: _____ *74* Date: 5/10/00

SUR3/020597p
02882PHCLL1 - SUR 5/10/00

00110
Page No.

AR 021539

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/24/00
 Date Analyzed: 4/29/00

Matrix Spike/Duplicate Matrix Spike Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: C1 (tph)
 Lab Code: K2002882-023MS, K2002882-023DMS
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Percent Recovery

Analyte	Prep Method	Analysis Method	Spike Level				Sample Result		Spike Result		Percent Recovery		Relative Percent Difference	Result Notes
			MRL	MS	DMS	MS	DMS	MS	DMS	MS	DMS	CAS Acceptance Limits		
Diesel	EPA 3510C	8015B	100	3200	3200	ND	2500	2600	78	81	60-140	4		
Lube Oil	EPA 3510C	8015B	250	3200	3200	ND	2500	2800	78	88	60-140	11		

Approved By: _____ *TH* Date: 5/10/00

DMS/052297/02882PHC.KRJ - DMS 5/3/00

00-111

AR 021540

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 4/24/00
 Date Analyzed: 4/28/00

Matrix Spike/Duplicate Matrix Spike Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IID 2
 Lab Code: K2002882-053MS, K2002882-053DMS
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Percent Recovery

Analyte	Prep Method	Analysis Method	MRL	Spike Level			Spike Result				CAS Acceptance		Relative Percent Difference	Result Notes
				MS	DMS	DMS	MS	DMS	MS	DMS	MS	DMS		
Diesel	EPA 3510C	8015B	100	3200	3300	ND	2200	2300	69	70	60-140		1	
Lube Oil	EPA 3510C	8015B	250	3200	3300	ND	2400	2400	75	73	60-140		3	

Approved By: _____ *TH* Date: *5/10/00*

DMS/032297/02882PHCLL1 - DMS 5/4/00

00112
 Page No.:

AR 021541

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Water

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 5/1/00
 Date Analyzed: 5/2/00

Surrogate Recovery Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Prep Method: EPA 3510C
 Analysis Method: 8015B

Units: PERCENT
 Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y		
			o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
IIC 2	K2002882-046R		77	67	71
Lab Control Sample	K000501-WL		73	52	71
Method Blank	K000501-WB		80	52	73

CAS Acceptance Limits: 50-150 35-150 50-150

Approved By: _____ *TH* Date: *5/10/00*

SUR3/020597p
 02882PHC.LL3 - SUR 5/4/00

00113

AR 021542

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/1/00
Date Analyzed: 5/3-4/00

**Surrogate Recovery Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan**

Prep Method: EPA 3550B
Analysis Method: 8015B

Units: PERCENT
Basis: NA

Sample Name	Lab Code	Test Notes	P e r c e n t R e c o v e r y		
			o-Terphenyl	4-Bromofluorobenzene	n-Triacontane
IB-5	K2002882-012MS		83	68	79
IB-5	K2002882-012DMS		84	70	80
Lab Control Sample	K000501-SL1		94	89	91
Method Blank	K000501-SB1		88	76	81
II B 4	K2002882-041MS		81	66	80
II B 4	K2002882-041DMS		80	64	77
Lab Control Sample	K000501-SL2		94	81	92
Method Blank	K000501-SB2		90	73	87

CAS Acceptance Limits: 50-150 35-150 50-150

Approved By: _____ *TAL* Date: 5/8/00

SUR3/020597p
 02882PHC.LLS - SUR 5/9/00

00115
Page No.:

AR 021544

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/OO-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/1/00
Date Analyzed: 5/3-4/00

Matrix Spike/Duplicate Matrix Spike Summary
Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: IB-5
Lab Code: K2002882-012MS, K2002882-012DMS
Test Notes:

Units: mg/Kg (ppm)
Basis: Dry

Analyte	Prep Method	Analysis Method	Percent Recovery										Result Notes
			Spike Level		Sample Result	Spike Result		CAS Acceptance		Relative Percent Difference			
			MRL	MS		DMS	MS	DMS	MS		DMS	Limits	
Diesel	EPA 3550B	8015B	10	210	210	ND	170	160	81	76	50-150	6	
Lube Oil	EPA 3550B	8015B	25	210	210	90	270	270	86	86	50-150	<1	

Approved By: _____ *TAL* Date: 5/9/00

DMS/052297/02882PHCLL4 - DMS 5/9/00

00116

Page No.:

AR 021545

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/OO-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 5/1/00
 Date Analyzed: 5/4/00

Matrix Spike/Duplicate Matrix Spike Summary
 Fuel Identification and Quantitation (FIQ) Hydrocarbon Scan

Sample Name: II B 4
 Lab Code: K2002882-041MS, K2002882-041DMS
 Test Notes:

Units: mg/Kg (ppm)
 Basis: Dry

Analyte	Prep Method	Analysis Method	MRL	Spike Level		Sample Result	Spike Result		Percent Recovery		CAS Acceptance Limits	Relative Percent Difference	Result Notes
				MS	DMS		MS	DMS	MS	DMS			
Diesel	EPA 3550B	8015B	10	200	190	ND	150	140	75	74	50-150	1	
Lube Oil	EPA 3550B	8015B	25	200	190	59	240	230	90	90	50-150	<1	

Approved By: _____ *TH* Date: 5/9/00

DMS/052297/02882PHC.LL6 - DMS 5/5/00

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 Page No.:

AR 021546

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
Project: Water/Sediment Quality Monitoring/00-101G
Sample Matrix: Sediment

Service Request: K2002882
Date Collected: 4/17/00
Date Received: 4/19/00
Date Extracted: 5/2/00
Date Analyzed: 5/5/00

**Surrogate Recovery Summary
 Glycols
 Modified EPA Methods 3550A/8015B**

Sample Name	Lab Code	Percent Recovery Bis(2-butoxyethyl) Ether
IA-4	K2002882-004	49(A)
IA-5	K2002882-005	37(A)
IA-6	K2002882-006	62
IB-4	K2002882-011	64
IB-5	K2002882-012	61
IB-6	K2002882-013	66
IB-7	K2002882-014	57
IIA-4	K2002882-035	37(A)
IIA-5	K2002882-036	28(A)
IIA-6	K2002882-037	49(A)
II B 4	K2002882-041	66
II B 5	K2002882-042	69
II B 7	K2002882-043	77
Method Blank	K000502-SB	98
II B 7	K2002882-043MS	76
II B 7	K2002882-043DMS	76

CAS Acceptance Limits: 56-116

A Outside acceptance limits; see case narrative.

Approved By: MManthe

Date: 5/16/00

00118

SUR1/111594
 02882PHC.ME1 - rev 5/10/00

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AR 021547

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Airport Communities Coalition
 Project: Water/Sediment Quality Monitoring/00-101G
 Sample Matrix: Sediment

Service Request: K2002882
 Date Collected: 4/17/00
 Date Received: 4/19/00
 Date Extracted: 5/2/00
 Date Analyzed: 5/5/00

Matrix Spike/Duplicate Matrix Spike Summary
 Glycols
 Modified EPA Methods 3550A/8015B
 Units: mg/Kg (ppm)
 Dry Weight Basis

Sample Name: II B 7
 Lab Code: K2002882-043MS, K2002882-043DMS

Analyte	Spike Level		Sample Result	Spike Result		Percent Recovery		CAS Acceptance Limits	Relative Percent Difference	CAS RPD Acceptance Limit
	MS	DMS		MS	DMS	MS	DMS			
	Ethylene Glycol	100		100	ND	66	67			
Propylene Glycol	100	100	ND	69	68	69	68	19-145	1	40

Approved By: MManthe

Date: 5/10/00

00119

DMS1SRPD/120594
 02882PHC.ME1 - dms 5/10/00

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AR 021548

APPENDIX B
CHAIN OF CUSTODY INFORMATION

00120

AR 021549



CHAIN OF CUSTODY

Sediment and Tissue Chemistry

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • FAX (360) 636-1088

SR#: h2002882 PAGE OF COC #

PROJECT NAME: Water Sediment Quality Monitoring
 PROJECT NUMBER: 00-1016
 PROJECT MANAGER: John Strand
 COMPANY ADDRESS: FIRPORT COMMUNITIES COALITION
21630 11th Ave. S., Des Moines, WA 98048
 PHONE: 206-943-4347
 FAX: (509) 946-1467
 SAMPLE'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Metals (list below)		AMS / SEM	Pesticides (8081)	PCBs (8082)	Aroclors	SemiVolatiles (GCMS SIM)	PAHs	Phenols	Organotin - Sediment	Organotin - Pore water	Volatiles (8260)	TPH 8015/418.1	REMARKS
						<input type="checkbox"/> Total Volatile Solids	<input type="checkbox"/> Total Solids												
IA-1	4/17	1000	1	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												TPH (Fuel Scan)
IA-2	"	"	2	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												Glycols
IA-3	"	"	3	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												Solids (p water)
IA-4	"	"	4	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												TSS
IA-5	"	"	5	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
IA-6	"	"	6	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												
IA-7	"	"	7	fi	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>												

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

Requested Report Date: _____

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

SPECIAL INSTRUCTIONS/COMMENTS:

W = water
 S = sediment
 F = fish/shellfish

Circle which metals are to be analyzed:

SMS Metals: As Cd Cr Cu Ni Pb Se Zn

CA Metals: Ag As Cd Cr Cu Ni Pb Se Zn

RELINQUISHED BY: [Signature] Date/Time: 4/18/00 12:00

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY: [Signature] Date/Time: 4/19/00 09:30

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RELINQUISHED BY: _____ Date/Time: _____

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____

RECEIVED BY: _____ Date/Time: _____

Signature: _____ Date/Time: _____

Printed Name: _____ Firm: _____



Columbia Analytical Services
An Employee-Owned Company

CHAIN OF CUSTODY

Sediment and Tissue Chemistry

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • FAX (360) 636-1068

SR#: K2002487 PAGE _____ OF _____ COC # _____

PROJECT NAME: Water Quality Monitoring
PROJECT NUMBER: 00-1016
PROJECT MANAGER: John Stand
COMPANY ADDRESS: 21630 714th Ave S., Des Moines, WA 98148
PHONE: (206) 943-4747
FAX: (206) 946-1467
SAMPLER'S SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Metals (list below)		PCBs (8082) Aroclors Semivolatiles (GC/MS SIM) PAHs Organotin - Sediment	Organotin - Pore water Mono Di Tri Tetra	Volatiles (8260) Mono Di Tri Tetra	TPH (Fuel Scan) TPH 8015/418.1	REMARKS
						Total Volatile Solids	Total Solids					
IB-1	4/17	1030	8	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-2	"	"	9	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-3	"	"	10	W	2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-4	"	"	11	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-5	"	"	12	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-6	"	"	13	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-7	"	"	14	S	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
IB-8	"	"	15	F	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

AMS / SEM
Total (9030M) Water Soluble
Sulfide / ASTM D422
Grain size - PSEP / ASTM D422
TOC (ASTM D4129M)
Total Volatile Solids
Total Solids
Lipids

REPORT REQUIREMENTS
I. Routine Report: Method Blank, Surrogate, as required
II. Report Dup., MS, MSD as required
III. Data Validation Report (includes all raw data)
IV. CLP Deliverable Report
V. EDD

INVOICE INFORMATION
P.O. # _____
Bill To: _____

TURNAROUND REQUIREMENTS
24 hr. _____
48 hr. _____
5 Day _____
Standard (10-15 working days)
Provide FAX Results _____
Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:
W = water
S = sediment
F = fish/shellfish

ON # 18-7, additional metals
As, Cd, Hg, Ag, Cr, Ni

Circle which metals are to be analyzed:
SMS Metals: As Cd Cr Cu Pb Ag Ni Se Zn
CA Metals: Ag As Cd Cr Cu Pb Hg Hg

RELINQUISHED BY: [Signature] Date/Time 4/18 12:00p
Signature _____ Date/Time _____
Printed Name _____ Firm _____

RECEIVED BY: [Signature] Date/Time 4/19/00 9:30
Signature _____ Date/Time _____
Printed Name Chulsu Firm _____

RELINQUISHED BY: _____ Date/Time _____
Signature _____ Date/Time _____
Printed Name _____ Firm _____

Firm

Printed Name

Firm

Printed Name

AR 021554

Printed Name _____ Firm _____

Printed Name _____ Firm _____

Printed Name _____ Firm _____

Printed Name _____ Firm _____



CHAIN OF CUSTODY

Sediment and Tissue Chemistry

1317 South 13th Ave. • Kelso, WA 98626 • (360) 577-7222 • FAX (360) 636-1068

SR#: K2602882 OF _____ PAGE _____ OF _____ COC # _____

PROJECT NAME: Water Treatment Quality Monitoring
 PROJECT NUMBER: 20-1016
 PROJECT MANAGER: Steve Strand
 COMPANY ADDRESS: ACC
 PHONE: 21630 14th Ave S, Des Moines, WA 98199
 FAX: (206) 946-1467
 SAMPLES SIGNATURE: [Signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS		REMARKS
					Metals (list below)	AMS/SEM	
IC-1	4/17	1045	16	W	2	✓	TPH (Fuel/Scan) ✓ TPH 8015/418.1 ✓ Volatiles (8260) ✓ Organotin - Sediment ✓ Organotin - Pore water ✓ Semivolatiles (GC/MS SIM) ✓ PAHs ✓ PCBs (8082) ✓ Pesticides (8081) ✓ Ammonia Total (350 tm) ✓ AVS/SEM ✓ Sulfide Total (9030M) ✓ Grain size - PSEP/ASTM D422 ✓ TOC (ASTM D4129M) ✓ Total Volatile Solids ✓ Lipids ✓
IC-2	"	"	17	W	2	✓	TSS ✓ Glycols ✓
IC-3	"	"	18	W	2	✓	
IC-4	"	"	19	S	1	✓	
IC-5	"	"	20	S	1	✓	
IC-6	"	"	21	S	1	✓	
CI	4/18	0800	22	W	1	✓	
CI	"	"	23	W	1	✓	
CI	"	"	24	F	1	✓	
ILC	4/14	1600	25	F	1	✓	

Circle which metals are to be analyzed:
 SMS Metals: As Cd Cr Cu Hg Ni Pb Se Zn
 CA Metals: Ag As Cd Cr Cu Hg Ni Pb Se Zn

REPORT REQUIREMENTS
 I. Routine Report: Method Blank, Surrogate, as required
 II. Report Dup., MS, MSD as required
 III. Data Validation Report (includes all raw data)
 IV. CLP Deliverable Report
 V. EDD

TURNAROUND REQUIREMENTS
 24 hr. _____ 48 hr. _____
 5 Day _____
 Standard (10-15 working days)
 Provide FAX Results _____

Requested Report Date _____

INVOICE INFORMATION
 P.O. # _____
 Bill To: _____

SPECIAL INSTRUCTIONS/COMMENTS:
 W = water
 S = sediment
 F = fish

RELINQUISHED BY: [Signature] Date/Time 4/18 1200
 Signature _____ Date/Time _____
 Printed Name _____ Firm _____

RECEIVED BY: [Signature] Date/Time 4/18 0930
 Signature _____ Date/Time _____
 Printed Name _____ Firm _____



Columbia Analytical Services Inc.
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CHAIN OF CUSTODY
Sediment and Tissue Chemistry

PAGE _____ OF _____ CUC # _____

PROJECT NAME: San Sediment Quality Monitoring
PROJECT NUMBER: 20-1016
PROJECT MANAGER: DIANA SYDARD
COMPANY ADDRESS: 21030 - 11 Yule S, Des Moines, WA 98198
Phone: 206-943-4347
Fax: 206-946-1467
SAMPLE'S SIGNATURE: [Signature]
DATE CALLED: 4/17

ANALYSIS	REMARKS
Metals (list below)	
TOC (ASTM D4129M)	
Grain size - PSEP / ASTM D422	
Sulfide Total (9030M)	
AVS / SEM	
Ammonia Total (350.1m)	
Pesticides (8081)	
PCBs (8082)	
Aroclors	
Congeners	
Semivolatiles (GC/MS SIM)	
PAHs	
Phenates	
Organotin - Sediment	
Mono DI	
Tetra	
Organotin - Pore water	
Mono DI	
Tetra	
Volatiles (8260)	
TPH 8015/418.1	
TPH (Fuel/Scan)	
Glycols	
TSB	

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS
ID 1	4/17	11:00	26	W	2
ID 2	"	"	27	W	2
ID 3	"	"	28	W	2
ID 4	"	"	29	S	1
ID 5	"	"	30	S	1
ID 6	"	"	31	S	1

REPORT REQUIREMENTS

I. Routine Report: Method Blank, Surrogate, as required

II. Report Dup., MS, MSD as required

III. Data Validation Report (includes all raw data)

IV. CLP Deliverable Report

V. EDD

INVOICE INFORMATION

P.O. # _____

Bill To: _____

TURNAROUND REQUIREMENTS

24 hr. _____ 48 hr. _____

5 Day _____

Standard (10-15 working days)

Provide FAX Results

Requested Report Date _____

SPECIAL INSTRUCTIONS/COMMENTS:

W = water
S = sediment

RECEIVED BY: _____ Signature _____ Date/Time _____

RELINQUISHED BY: _____ Signature _____ Date/Time _____

RECEIVED BY: _____ Signature _____ Date/Time _____

RELINQUISHED BY: _____ Signature _____ Date/Time _____

RECEIVED BY: [Signature] Date/Time: 4/18/12

RELINQUISHED BY: [Signature] Date/Time: 4/18/12

RECEIVED BY: [Signature] Date/Time: 4/19/12

RELINQUISHED BY: [Signature] Date/Time: 4/19/12

