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Richard R. Steiner, P.E.

July 17, 2006

Mr. William R. Dacunto
Vice President - Operations
Silverstein Properties, Inc.
7 World Trade Center
New York, New York 10007

**Re: Pre-Excavation Waste Characterization
Deeper Excavation for River Place II New Design
BCP ID # C231024 and C231012
New York, New York
Langan Project No. 5582407**

Dear Mr. Dacunto,

Langan Engineering & Environmental Services, PC (Langan) has prepared this report describing pre-excavation waste characterization sampling and analysis conducted at the West 42nd Street Former Manufactured Gas Plant located at 600 West 42nd Street, in New York, New York (Site). Soil sampling was conducted in anticipation of extending selected areas of the current remedial excavation additional predetermined depths to accommodate the new River Place II design which includes two elevator cores, a fuel oil tank room, and a boiler room.

Endpoint sampling conducted at the Site indicates that contamination is present in the material underlying the recycled concrete fill. The purpose of this waste characterization event was to provide sufficient analytical data of the soil that will be excavated for acceptance for disposal at a permitted facility.

WASTE CHARACTERIZATION PROGRAM DESIGN CRITERIA

The criteria used to design the sampling program was provided in Langan Drawing No. ENV-4 (Sub-Cellar Excavation), dated October 13, 2005; WSP Cantor Seinuk Drawing No. FS-100 (Foundation Plan), dated February 17, 2006; and the As-Built Survey of River Place II, dated April 2, 2006. After completion of the field work we were advised that the design was modified as described in Drawing C-100, dated June 29, 2006. Based on the new design

provided information, the volume of material to be excavated from the selected areas is calculated as follows:

1. Elevator Core (western portion of site): 512 sq ft excavated to el -27 generates approximately 300 cubic yards of MGP material.
2. Elevator Core (eastern portion of site): 1,648 sq ft excavated to el -34 generates approximately 1,300 cubic yards of MGP material.
3. Fuel Oil Tank Room: 1,409 sq ft excavated to el -25 generates approximately 700 cubic yards of MGP material.
4. Boiler Room: 5,380 sq ft excavated to el -27.5 generates approximately 2,900 cubic yards of MGP material.
5. Ramp: 1,196 sq ft excavated at a 4H to 1V slope generates approximately 84 cubic yards of MGP material.

The proposed disposal site for the excavated material is Clean Earth of Philadelphia, Pennsylvania. The Analytical Acceptance Requirements for Clean Earth of Philadelphia for coal tar sources are as follows:

- One grab sample first 90 tons for VOCs, SVOCs, TPH-DRO to C-44
- One grab sample second 90 tons for VOCs, SVOCs, TPH-DRO to C-44
- One grab sample every 180 tons thereafter for VOCs, SVOCs, TPH-DRO to C-44
- One composite sample every 900 tons for TCLP Metals, Ignitability, Corrosivity, Reactivity – Sulfide/Cyanide, PCBs, Total Sulfur and TCLP Organics

Approximately six to seven feet of clean fill cover (RCA) was emplaced over MGP material throughout the full extent of the remedial excavation area. Assuming there were no requirements to characterize the RCA material and the MGP material has an average soil density of 1.50 tons per cubic yard the following conclusions were made based upon the original design criteria:

1. Elevator Core (western portion of site): 3 grab samples and 1 composite sample were required for waste characterization purposes.
2. Elevator Core (eastern portion of site): 7 grab samples and 2 composite samples were required for waste characterization purposes.

3. Fuel Oil Tank Room: 8 grab samples and 2 composite samples were required for waste characterization purposes.
4. Boiler Room: 18 grab samples and 4 composite samples were required for waste characterization purposes.

WASTE CHARACTERIZATION FIELD PROGRAM

Langan completed the following scope of work to characterize subsurface soil / MGP material at the Subject Property for the purpose of meeting disposal facility analytical acceptance requirements. The scope of work included the following tasks:

- Coordinating Site Access
- Delineating Proposed Excavation Areas
- Borehole Placement
- Soil Boring and Sampling
- Waste Containment and Equipment Decontamination
- Laboratory Analytical Program
- Report Preparation

Details of each of these tasks are presented below.

Coordinating Site Access

Remedial field activities at the Site concluded on February 10, 2006. Since that time, the Site has remained secure per OSHA standards and access to the Site is restricted. Langan worked with representatives of Silverstein Properties to gain access to the Site at dates and times that were agreeable to all parties and access was arranged with the 24-hour site security.

Prior to mobilizing to the Site, a site visit was coordinated with the drilling subcontractor to view the access ramp into the excavation and to aid in selecting the appropriate drill rig to complete the scope of work.

Delineating Proposed Excavation Areas

The four specific areas (two elevator cores, a fuel oil tank room, and a boiler room) to be excavated additional predetermined depths within the current excavation were delineated by placing orange flag stakes around the perimeter of each respective area. The perimeters of each respective area were calculated based upon the dimensional layout provided in Langan Drawing No. ENV-4 (Sub-Cellar Excavation).

Borehole Placement

Specific soil boring locations were located at relatively equidistant positions within the delineated perimeters of each respective area. The number of borings completed within each respective area was determined based upon the number of grab samples required per the analytical acceptance requirements for Clean Earth of Philadelphia for coal tar sources. To accomplish the waste characterization sampling in the Elevator Core area (western portion), 3 total borings were advanced (borehole IDs: ECW-1, ECW-2, and ECW-3). To accomplish the waste characterization sampling in the Elevator Core area (eastern portion), 4 total borings were advanced (borehole IDs: ECE-1 through ECE-4). To accomplish waste characterization sampling in the Fuel Oil Tank Room area, 4 total borings were advanced (borehole IDs: FOTR-1 through FOTR-4). To accomplish waste characterization sampling in the Boiler Room area, 9 total borings were advanced (borehole IDs: BR-2 through BR-10). The first borehole location attempt within the Boiler Room area (borehole ID: BR-1) was not completed and sampled due to the discovery of an undocumented underground storage tank (UST) at this location at approximately el -15. Information regarding the discovery, registration, decommissioning, and disposal of the UST will be provided under separate cover.

In total, waste characterization for the four specific areas required 20 total borings. The specific soil boring placements are shown on Figure 1.

Soil Boring and Sampling

On June 22, 23, and 26, 2006, Langan subcontracted HydroTech Environmental Corp., of Commack, New York (HydroTech), to advance 20 total soil borings within the proposed excavation areas. Langan supervised the site work and collected the requisite grab and composite soil samples for laboratory analysis.

All boreholes were advanced using a Geoprobe™ Model GH42 remote unit equipped with a 2.0-inch outside-diameter (OD) stainless-steel, split-spoon macrosampler that was lined with acrylic sleeves. The macrosampler was hydraulically advanced into the subsurface using static and dynamic percussive force.

Soil samples were collected continuously in each of the boreholes from just beneath the exposed RCA clean fill cover to the total depth of the boring. Soil samples were collected for visual inspection, lithologic description, and field screening for the presence of volatile organic vapors. Visual inspection consisted of screening the sample for visual indications contamination, such as staining. Soil lithology was described using the United Soil Classification System (USCS). Lithologic description included describing soil types, color, grain

size/texture, degree of consolidation, and moisture content. Field screening was completed by placing a portion of the collected sample into a sealable plastic bag and then monitoring for headspace vapor concentrations using a portable photoionization detector (PID) calibrated to a known concentration of isobutylene.

Portions of the subsurface soil from each respective borehole were segregated and prepared for submittal to a laboratory for analysis. In the Elevator Core area (western portion) the samples were selected from each respective borehole for analysis from a corresponding depth of el -19. In the Elevator Core (eastern portion), Fuel Oil Tank Room, and the Boiler Room areas, the samples were selected from each respective borehole for analysis from corresponding depths of el -19 and el -23 (except for one borehole location within the eastern elevator core area that was only sampled from el -19). Composited samples were made by compositing material from the same corresponding depths from each of the borings within a specific area. In total, thirty-six grab samples and nine composite samples were collected and submitted for laboratory analysis.

The selected sample portions were immediately placed directly into pre-cleaned, laboratory-prepared glass sample jars. Care was taken to obtain representative soil samples and to fill the sample jars to capacity to minimize loss of volatile constituents. The threads of the sample jars were wiped clean of soil particles that might interfere with an airtight seal, and a Teflon-lined screw closure lid was immediately placed on the jars. The sample jars were uniquely labeled to identify the sample number, project name, sample locale and depth, and the date and time of collection. All samples were immediately placed into an insulating cooler with ice and submitted under standard chain-of-custody protocol to Chemtech, of Mountainside, New Jersey.

Subsurface materials encountered beneath the RCA clean fill cover consisted primarily of clay with trace gravels. PID readings taken from the soil samples ranged from zero to 321 parts per million (ppm). A petroleum-like or mothball-like odor was observed in all of the boreholes. Groundwater was encountered in each of the borings at approximately el -20.

Waste Containment and Equipment Decontamination

The direct-push probe tools were decontaminated with potable water and a non-toxic, biodegradable soap (Simple Green®) prior to use and between uses at each borehole location.

All soil samples were collected in the field using new acrylic liners within the macrosampler for each respective borehole location and samples were handled by field personnel wearing clean

nitrile gloves to eliminate the potential for cross-contamination between samples and between boreholes.

Solid waste generated during the investigation included macrosampler acrylic sleeves, disposable personal protective equipment (nitrile gloves) and disposable rags. All solid waste was disposed of in a waste receptacle and was removed offsite by the drillers. A minimal amount of soil cuttings and decontamination water was also generated during the investigation work. Excess soil cuttings were backfilled into the respective boreholes and then each borehole was repaired flush with the current excavation surface.

Laboratory Analytical Program

Based on the Analytical Acceptance Requirements for Clean Earth of Philadelphia for coal tar sources the grab soil samples were analyzed for volatile organic compounds (VOCs) per United States Environmental Protection Agency (EPA) Method 8260, semi-volatile organic compounds (SVOCs) per EPA Method 8270, and Total Petroleum Hydrocarbons – Diesel Range Organics (C8-C44) per EPA Method 8015.

Composited soil samples were analyzed for TCLP volatile organic analysis per EPA Method 8260, TCLP Base Neutral Acids per EPA Method 8270, polychlorinated biphenyls (PCBs) per EPA Method 8082, TCLP metals per EPA Method 6010, TCLP herbicides per EPA Method 8151, TCLP pesticides per EPA Method 8081, TCLP mercury per EPA Method 7470, corrosivity per analytical method 9045, flash point per analytical method 1010, sulfur per analytical method 6020, reactive cyanide per analytical method 7.3.3.2, and reactive sulfide per analytical method 7.3.4.2.

The laboratory analytical report is included as Appendix A. The sample number designation on the laboratory report indicates the sample location and the depth that the sample was collected. For example; sample identification ECE-1 (-19) was collected within the Elevator Core (East) area at sample location ECE-1 at el -19 (site datum).

ADDITIONAL SAMPLING POTENTIALLY REQUIRED

As noted, subsequent to completing waste characterization, the design criteria for the sub-cellar excavation plan was revised which altered the total area, final excavation depths, and contaminated soil volume to be removed from each selected area. The revised plan also included a ramp that slopes into the boiler room area.

Originally, the total volume of material to be excavated was 3,685 cubic yards or approximately 5,535 tons. This required that thirty-six grab samples and nine composite samples be collected per the analytical acceptance requirements for Clean Earth of Philadelphia. The new volume of material to be excavated based upon the new design criteria is approximately 5,300 cubic yards or approximately 7,950 tons. For this new volume, forty-six grab samples and nine composite samples are required per the Clean Earth requirements. As the excavation progresses, the disposal facility will determine the need for additional grab samples.

CLOSURE

We appreciate the opportunity to provide our services on this project. Please call if you have any questions.

Very truly yours,

Langan Engineering and Environmental Services, P.C.



Doane Edward Cafferty
Senior Staff Engineer



Joel B. Landes, PE
Senior Associate

cc: Mr. Dan Margiotta – Seasons Industrial Contracting
Mr. Doug McNeil - NYSDEC
Mr. Rich Rienzo – Con Edison
Alan Poeppel - Langan
File - Langan

Enclosures:

Figure 1 – River Place II New Design Waste Characterization Boring Location Plan
Appendix A - Laboratory Analytical Results



50-FT LIN.

NOTES

ELEVATIONS REFER TO BOROUGH
PRESIDENT OF MANHATTAN DATUM
INSTALL SHEETING 4 FT OUTBOARD
OF THE FOUNDATION WALLS
EL -27 : PROPOSED SUBGRADE ELEVATION

IK

RIVER
PLACE 1

ELEVAT

[E

TS OF ADDITIONAL
ETING

64'-8"

**RIVER PLACE II
DEEPER EXCAVATION FOR NEW DESIGN
WASTE CHARACTERIZATION
SAMPLE LOCATION PLAN**

MANHATTAN

NEW YORK

Project No.
5582403

Date
5/4/06

Scale
AS SHOWN

Dwg. No.

1

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

X3428

COC Number

059680

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Langan Engineering
ADDRESS: 360 West 31st St., 8th Floor
CITY: New York STATE: NY ZIP: 10001
ATTENTION: Doane Edward Cafferty
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT PROJECT INFORMATION

PROJECT NAME: RP II
PROJECT NO.: 5582407 LOCATION: 600 West 42nd
PROJECT MANAGER: Joel Landes
e-mail: dcafferty@langan.com
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT BILLING INFORMATION

BILL TO: Same PO#: _____
ADDRESS: 360 West 31st - ...
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

ANALYSIS

DATA TURNAROUND INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD: 5 day TAT DAYS
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☒ EDD FORMAT excel

1 VOCs
2 SVOCs
3 TPH-Aro to C-44
4 TCLP Metals
5 Ignite Silt
6 Corrosivity
7 Reactivity
8 PCBS
9 Total Sulfur
TCLP organics

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl B-HNO₃
C-H₂SO₄ D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	ECE-1(-19)-062206	Soil		X	6/22/06	1020	2	X	X	X							
2.	ECE-2(-19)-062206			X		1130	2	X	X	X							
3.	ECE-2(-23)-062206			X		1140	2	X	X	X							
4.	ECE-3(-19)-062206			X		1400	2	X	X	X							
5.	ECE-3(-23)-062206			X		1410	2	X	X	X							
6.	ECE-4(-19)-062206			X		1250	2	X	X	X							
7.	ECE-4(-23)-062206			X		1330	2	X	X	X							
8.	ECE-comp(-19)		X			X	1				X	X	X	X	X	X	X
9.	ECE-comp(-23)		X			X	1				X	X	X	X	X	X	X
10.	FOTR-1(-19)-062206	V		X	V	1430	2	X	X	X							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>6/22/06 16:20</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments:	Cooler Temp. <u>4°C</u> Ice in Cooler?: <u>YES</u>
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY:		
RELINQUISHED BY: 3. <u>IMPULSE</u>	DATE/TIME: <u>5:45</u> <u>6-22-06</u>	RECEIVED FOR LAB BY: <u>[Signature]</u>	Page <u>1</u> of <u>2</u>	SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT Shipment Complete: ☒ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

X3428

COC Number

059681

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PROJECT NO.: 5582407 LOCATION: 600 West 42nd
PROJECT MANAGER: Joel Landes
e-mail: dcafferty@langan.com
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT BILLING INFORMATION

BILL TO: same PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD: 5 DAY TAT DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☒ EDD FORMAT excel

ANALYSIS

1 WGS
2 SWS
3 T4 - No to C44
4 T4P Metals
5 Initials / Corrosion
6 Reactivity / Corrosion
7 PCB
8 Total Sulfur
9 T4P Organics

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl B-HNO ₃ C-H ₂ SO ₄ D-NaOH E-ICE F-Other	
1. 13	FOTR-2(-23)-062206	soil.	X		4/2/06	1450	2	X	X	X								
2. 14	FOTR-2(-19)-062206		X			1530	2	X	X	X								
3. 15	FOTR-2(-23)-062206		X			1540	2	X	X	X								
4. 17, 16	FOTR-comp(-19)		X			X	1				X	X	X	X	X	X		
5. 19, 18	FOTR-comp(-23)		X			X	1				X	X	X	X	X	X		
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>4/2/06 16:20</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant	Cooler Temp. <u>40C</u>
RELINQUISHED BY: 2. <u>[Signature]</u>	DATE/TIME: <u>5:45</u>	RECEIVED BY: 2. <u>[Signature]</u>	MeOH extraction requires an additional 4 oz jar for percent solid.	Ice in Cooler?: <u>Yes</u>
RELINQUISHED BY: 3. <u>IMPULSE</u>	DATE/TIME: <u>6-22-06</u>	RECEIVED FOR LAB BY: 3. <u>[Signature]</u>	Comments: Page <u>2</u> of <u>2</u>	SHIPMENT VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT
			Shipment Complete: ☒ YES ☐ NO	



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-1(-19)-062206 Lab Sample ID: X3428-01
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 38.00
Result Type: Final Datafile: BB031996

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	530	1	
108-95-2	Phenol	ND	U	ug/Kg	80	530	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	84	530	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	85	530	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	88	530	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	85	530	1	
98-86-2	Acetophenone	ND	U	ug/Kg	77	530	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	84	530	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	88	530	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	90	530	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	530	1	
78-59-1	Isophorone	ND	U	ug/Kg	80	530	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	81	530	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	84	530	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	87	530	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	98	530	1	
91-20-3	Naphthalene	ND	U	ug/Kg	90	530	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	63	530	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	81	530	1	
105-60-2	Caprolactam	ND	U	ug/Kg	85	530	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	73	530	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	89	530	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	85	530	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	78	530	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	81	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	87	530	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	88	530	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	67	1300	1	



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-1(-19)-062206

Lab Sample ID: X3428-01

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 38.00

Result Type: Final

DataFile: BB031996

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	85	530	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	86	530	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	75	530	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	69	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	94	530	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	450	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	88	530	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	78	530	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	91	530	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	84	530	1	
86-73-7	Fluorene	ND	U	ug/Kg	89	530	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	90	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	87	530	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	79	530	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	85	530	1	
1912-24-9	Atrazine	ND	U	ug/Kg	81	530	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	84	530	1	
120-12-7	Anthracene	ND	U	ug/Kg	80	530	1	
86-74-8	Carbazole	ND	U	ug/Kg	81	530	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	81	530	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	79	530	1	
129-00-0	Pyrene	ND	U	ug/Kg	94	530	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	86	530	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	91	530	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	74	530	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-1(-19)-062206

Lab Sample ID: X3428-01

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 38.00

Result Type: Final

DataFile: BB031996

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	95	530	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	530	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	90	530	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	58	530	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	530	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	85	530	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	67	530	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	66	530	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	88	530	1	
	ACP3.80	2600	AB	ug/Kg	0	0	1	TIC
22611-26-3	D:C-Friedoolean-8-en-3-one	390	J	ug/Kg	0	0	1	TIC
2136-72-3	Ethanol, 2-(octadecyloxy)-	250	J	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	380	J	ug/Kg	0	0	1	TIC
10219-75-7	Naphthalene, 1,2,3,5,6,7,8,8a-octa	840	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	650	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-1(-19)-062206 Lab Sample ID: X3428-01
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 38.00
Result Type: Final Datafile: VK007420

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.6	39	1	
74-87-3	Chloromethane	ND	U	ug/Kg	6.6	39	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.4	39	1	
74-83-9	Bromomethane	ND	U	ug/Kg	16	39	1	
75-00-3	Chloroethane	ND	U	ug/Kg	17	39	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.7	39	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.2	39	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.4	39	1	
67-64-1	Acetone	100	JB	ug/Kg	26	190	1	
75-15-0	Carbon Disulfide	92		ug/Kg	2.9	39	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.9	39	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.7	39	1	
75-09-2	Methylene Chloride	100	B	ug/Kg	14	39	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.0	39	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.1	39	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	2.5	39	1	
78-93-3	2-Butanone	35	J	ug/Kg	22	190	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.4	39	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.5	39	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.7	39	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.2	39	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.3	39	1	
71-43-2	Benzene	9.8	J	ug/Kg	3.1	39	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.4	39	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.4	39	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.1	39	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.6	39	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15	190	1	

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Project ID: River Place #2
Customer Sample No.: ECE-1(-19)-062206
Test: VOC-TCLVOA 4.3-10
Analytical Method: EPA SW846 8260
Result Type: Final

Date Collected: 06/22/06
Date Received: 06/22/06
Lab Sample ID: X3428-01
SDG ID: X3428
% Moisture: 38.00
DataFile: VK007420

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.1	39	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.8	39	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.6	39	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.3	39	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	28	190	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.8	39	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.1	39	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.7	39	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.8	39	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.7	39	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	6.7	78	1	
95-47-6	o-Xylene	ND	U	ug/Kg	3.0	39	1	
100-42-5	Styrene	ND	U	ug/Kg	3.6	39	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.4	39	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.2	39	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.4	39	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.3	39	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.2	39	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.0	39	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.3	39	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.3	39	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-2(-19)-062206 Lab Sample ID: X3428-02
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 34.00
Result Type: Final Datafile: BB031999

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	100	500	1	
108-95-2	Phenol	ND	U	ug/Kg	76	500	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	79	500	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	80	500	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	83	500	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	81	500	1	
98-86-2	Acetophenone	ND	U	ug/Kg	73	500	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	79	500	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	83	500	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	85	500	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	500	1	
78-59-1	Isophorone	ND	U	ug/Kg	75	500	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	77	500	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	79	500	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	82	500	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	92	500	1	
91-20-3	Naphthalene	ND	U	ug/Kg	85	500	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	60	500	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	77	500	1	
105-60-2	Caprolactam	ND	U	ug/Kg	80	500	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	69	500	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	84	500	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	80	500	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	73	500	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	76	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	82	500	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	83	500	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	63	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-2(-19)-062206

Lab Sample ID: X3428-02

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 34.00

Result Type: Final

DataFile: BB031999

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	80	500	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	81	500	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	71	500	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	65	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	89	500	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	430	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	62	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	83	500	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	73	500	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	86	500	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	79	500	1	
86-73-7	Fluorene	ND	U	ug/Kg	84	500	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	85	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	97	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	82	500	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	75	500	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	80	500	1	
1912-24-9	Atrazine	ND	U	ug/Kg	77	500	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	80	500	1	
120-12-7	Anthracene	ND	U	ug/Kg	75	500	1	
86-74-8	Carbazole	ND	U	ug/Kg	76	500	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	76	500	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	74	500	1	
129-00-0	Pyrene	ND	U	ug/Kg	88	500	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	81	500	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	86	500	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	70	500	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-2(-19)-062206

Lab Sample ID: X3428-02

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 34.00

Result Type: Final

DataFile: BB031999

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	90	500	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	96	500	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	85	500	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	55	500	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	500	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	80	500	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	63	500	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	63	500	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	83	500	1	
111-02-4	2,6,10,14,18,22-Tetracosahexaene, ACP3.80	430	J	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	2400	AB	ug/Kg	0	0	1	TIC
	unknown24.25	270	J	ug/Kg	0	0	1	TIC
	unknown28.99	220	J	ug/Kg	0	0	1	TIC
		250	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-2(-19)-062206 Lab Sample ID: X3428-02
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 34.00
Result Type: Final Datafile: VK007439

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.4	38	1	
74-87-3	Chloromethane	ND	U	ug/Kg	6.4	38	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.2	38	1	
74-83-9	Bromomethane	ND	U	ug/Kg	15	38	1	
75-00-3	Chloroethane	ND	U	ug/Kg	16	38	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.4	38	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.0	38	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.3	38	1	
67-64-1	Acetone	86	J	ug/Kg	25	190	1	
75-15-0	Carbon Disulfide	91		ug/Kg	2.8	38	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.8	38	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.5	38	1	
75-09-2	Methylene Chloride	56	B	ug/Kg	14	38	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.8	38	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.0	38	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	2.4	38	1	
78-93-3	2-Butanone	ND	U	ug/Kg	21	190	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.3	38	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.4	38	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.6	38	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.1	38	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.2	38	1	
71-43-2	Benzene	24	J	ug/Kg	3.0	38	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.3	38	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.3	38	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.0	38	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.5	38	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15	190	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-2(-19)-062206	Lab Sample ID:	X3428-02
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	34.00
Result Type:	Final	DataFile:	VK007439

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.0	38	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.7	38	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.5	38	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.2	38	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	27	190	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.7	38	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.0	38	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.5	38	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.7	38	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.7	38	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	6.5	75	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.9	38	1	
100-42-5	Styrene	ND	U	ug/Kg	3.5	38	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.3	38	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.1	38	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.3	38	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.2	38	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.1	38	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.9	38	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.1	38	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.1	38	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-2(-23)-062206 Lab Sample ID: X3428-03
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 11.00
Result Type: Final Datafile: BB031987

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	76	370	1	
108-95-2	Phenol	ND	U	ug/Kg	56	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	58	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	59	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	61	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	60	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	54	370	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	58	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	61	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	63	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	81	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	56	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	57	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	59	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	61	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	68	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	63	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	44	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	57	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	59	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	51	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	62	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	59	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	54	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	57	930	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	61	370	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	61	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	47	930	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-2(-23)-062206

Lab Sample ID: X3428-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 11.00

Result Type: Final

DataFile: BB031987

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	59	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	60	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	52	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	48	930	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	66	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	930	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	46	930	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	61	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	54	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	64	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	58	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	62	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	63	930	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	72	930	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	61	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	55	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	59	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	57	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	86	930	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	59	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	56	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	56	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	56	370	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	55	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	65	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	60	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	63	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	52	370	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-2(-23)-062206

Lab Sample ID: X3428-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 11.00

Result Type: Final

DataFile: BB031987

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	66	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	71	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	63	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	41	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	81	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	59	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	47	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	46	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	61	370	1	
	ACP3.80	1600	AB	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	170	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	620	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-2(-23)-062206	Lab Sample ID:	X3428-03
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	11.00
Result Type:	Final	Datafile:	VK007440

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.0	29	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.9	29	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.8	29	1	
74-83-9	Bromomethane	ND	U	ug/Kg	12	29	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	29	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.2	29	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.9	29	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3	29	1	
67-64-1	Acetone	ND	U	ug/Kg	19	140	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1	29	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	29	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.0	29	1	
75-09-2	Methylene Chloride	44	B	ug/Kg	11	29	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.7	29	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6	29	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9	29	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6	29	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9	29	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.0	29	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	29	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	29	1	
71-43-2	Benzene	ND	U	ug/Kg	2.3	29	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8	29	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8	29	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3	29	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	29	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-2(-23)-062206	Lab Sample ID:	X3428-03
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	11.00
Result Type:	Final	DataFile:	VK007440

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	29	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	29	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	29	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	29	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	21	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	29	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	29	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.2	29	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	29	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.1	29	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.0	58	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	29	1	
100-42-5	Styrene	ND	U	ug/Kg	2.7	29	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	29	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4	29	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	29	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	29	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.5	29	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.0	29	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-19)-062206

Lab Sample ID: X3428-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

Datafile: BB032001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	510	1	
108-95-2	Phenol	ND	U	ug/Kg	77	510	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	81	510	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	82	510	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	85	510	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	82	510	1	
98-86-2	Acetophenone	ND	U	ug/Kg	75	510	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	81	510	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	85	510	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	87	510	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	510	1	
78-59-1	Isophorone	ND	U	ug/Kg	77	510	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	79	510	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	81	510	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	84	510	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	95	510	1	
91-20-3	Naphthalene	11000	E	ug/Kg	87	510	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	61	510	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	79	510	1	
105-60-2	Caprolactam	ND	U	ug/Kg	82	510	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	71	510	1	
91-57-6	2-Methylnaphthalene	260	J	ug/Kg	86	510	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	82	510	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	75	510	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	78	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	84	510	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	85	510	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	65	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-19)-062206

Lab Sample ID: X3428-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

DataFile: BB032001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	82	510	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	83	510	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	72	510	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	67	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	91	510	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	440	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	63	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	85	510	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	75	510	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	88	510	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	81	510	1	
86-73-7	Fluorene	ND	U	ug/Kg	86	510	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	87	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	99	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	84	510	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	76	510	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	82	510	1	
1912-24-9	Atrazine	ND	U	ug/Kg	78	510	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	130	J	ug/Kg	82	510	1	
120-12-7	Anthracene	ND	U	ug/Kg	77	510	1	
86-74-8	Carbazole	ND	U	ug/Kg	78	510	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	78	510	1	
206-44-0	Fluoranthene	88	J	ug/Kg	76	510	1	
129-00-0	Pyrene	ND	U	ug/Kg	90	510	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	83	510	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	88	510	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	72	510	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-19)-062206

Lab Sample ID: X3428-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

DataFile: BB032001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	92	510	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	98	510	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	87	510	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	56	510	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	510	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	82	510	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	65	510	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	64	510	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	85	510	1	
	ACP3.80	2700	AB	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	850	J	ug/Kg	0	0	1	TIC
95-13-6	Indene	1200	J	ug/Kg	0	0	1	TIC
106-42-3	p-Xylene	690	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	540	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-3(-19)-062206 Lab Sample ID: X3428-04
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 36.00
Result Type: Final Datafile: VK007372

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.7	39	1	
74-87-3	Chloromethane	ND	U	ug/Kg	6.7	39	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.4	39	1	
74-83-9	Bromomethane	ND	U	ug/Kg	16	39	1	
75-00-3	Chloroethane	ND	U	ug/Kg	17	39	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.7	39	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.2	39	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.5	39	1	
67-64-1	Acetone	ND	U	ug/Kg	26	200	1	
75-15-0	Carbon Disulfide	45		ug/Kg	2.9	39	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.9	39	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.8	39	1	
75-09-2	Methylene Chloride	190	B	ug/Kg	14	39	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.0	39	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.1	39	1	
110-82-7	Cyclohexane	88		ug/Kg	2.5	39	1	
78-93-3	2-Butanone	ND	U	ug/Kg	22	200	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.5	39	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.5	39	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.7	39	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.3	39	1	
108-87-2	Methylcyclohexane	310		ug/Kg	3.3	39	1	
71-43-2	Benzene	860		ug/Kg	3.1	39	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.4	39	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.4	39	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.1	39	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.6	39	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15	200	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-3(-19)-062206	Lab Sample ID:	X3428-04
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	36.00
Result Type:	Final	DataFile:	VK007372

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	1100		ug/Kg	3.2	39	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.8	39	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.6	39	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.3	39	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	28	200	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.8	39	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.1	39	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.7	39	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.8	39	1	
100-41-4	Ethyl Benzene	4300	E	ug/Kg	2.8	39	1	
126777-61-2	m/p-Xylenes	5800	E	ug/Kg	6.8	78	1	
95-47-6	o-Xylene	2800	E	ug/Kg	3.0	39	1	
100-42-5	Styrene	50		ug/Kg	3.6	39	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.4	39	1	
98-82-8	Isopropylbenzene	470		ug/Kg	3.2	39	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.4	39	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.4	39	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.3	39	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.0	39	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.4	39	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.3	39	1	
000108-67-8	Benzene, 1,3,5-trimethyl-	430	J	ug/Kg	0	0	1	TIC
000611-14-3	Benzene, 1-ethyl-2-methyl-	1300	J	ug/Kg	0	0	1	TIC
004265-25-2	Benzofuran, 2-methyl-	650	J	ug/Kg	0	0	1	TIC
000095-13-6	Indene	2200	J	ug/Kg	0	0	1	TIC
000090-12-0	Naphthalene, 1-methyl-	420	J	ug/Kg	0	0	1	TIC
	Unknown8.33	690	J	ug/Kg	0	0	1	TIC
	Unknown8.66	1600	J	ug/Kg	0	0	1	TIC

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-3(-19)-062206	Lab Sample ID:	X3428-04
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	36.00
Result Type:	Final	DataFile:	VK007372

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Unknown9.11	1300	J	ug/Kg	0	0	1	TIC
	Unknown9.81	330	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	3300	J	ug/Kg	0	39	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-3(-19)-062206DL Lab Sample ID: X3428-04DL
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 36.00
Result Type: Final Datafile: BB032032

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	UD	ug/Kg	530	2600	5	DIL
108-95-2	Phenol	ND	UD	ug/Kg	390	2600	5	DIL
111-44-4	bis(2-Chloroethyl)ether	ND	UD	ug/Kg	400	2600	5	DIL
95-57-8	2-Chlorophenol	ND	UD	ug/Kg	410	2600	5	DIL
95-48-7	2-Methylphenol	ND	UD	ug/Kg	430	2600	5	DIL
108-60-1	2,2-oxybis(1-Chloropropane)	ND	UD	ug/Kg	410	2600	5	DIL
98-86-2	Acetophenone	ND	UD	ug/Kg	370	2600	5	DIL
106-44-5	3+4-Methylphenols	ND	UD	ug/Kg	400	2600	5	DIL
621-64-7	N-Nitroso-di-n-propylamine	ND	UD	ug/Kg	420	2600	5	DIL
67-72-1	Hexachloroethane	ND	UD	ug/Kg	430	2600	5	DIL
98-95-3	Nitrobenzene	ND	UD	ug/Kg	560	2600	5	DIL
78-59-1	Isophorone	ND	UD	ug/Kg	380	2600	5	DIL
88-75-5	2-Nitrophenol	ND	UD	ug/Kg	390	2600	5	DIL
105-67-9	2,4-Dimethylphenol	ND	UD	ug/Kg	410	2600	5	DIL
111-91-1	bis(2-Chloroethoxy)methane	ND	UD	ug/Kg	420	2600	5	DIL
120-83-2	2,4-Dichlorophenol	ND	UD	ug/Kg	470	2600	5	DIL
91-20-3	Naphthalene	18000	D	ug/Kg	440	2600	5	DIL
106-47-8	4-Chloroaniline	ND	UD	ug/Kg	300	2600	5	DIL
87-68-3	Hexachlorobutadiene	ND	UD	ug/Kg	390	2600	5	DIL
105-60-2	Caprolactam	ND	UD	ug/Kg	410	2600	5	DIL
59-50-7	4-Chloro-3-methylphenol	ND	UD	ug/Kg	350	2600	5	DIL
91-57-6	2-Methylnaphthalene	ND	UD	ug/Kg	430	2600	5	DIL
77-47-4	Hexachlorocyclopentadiene	ND	UD	ug/Kg	410	2600	5	DIL
88-06-2	2,4,6-Trichlorophenol	ND	UD	ug/Kg	380	2600	5	DIL
95-95-4	2,4,5-Trichlorophenol	ND	UD	ug/Kg	390	6400	5	DIL
92-52-4	1,1-Biphenyl	ND	UD	ug/Kg	420	2600	5	DIL
91-58-7	2-Chloronaphthalene	ND	UD	ug/Kg	420	2600	5	DIL
88-74-4	2-Nitroaniline	ND	UD	ug/Kg	320	6400	5	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-19)-062206DL

Lab Sample ID: X3428-04DL

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

DataFile: BB032032

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	UD	ug/Kg	410	2600	5	DIL
208-96-8	Acenaphthylene	ND	UD	ug/Kg	420	2600	5	DIL
606-20-2	2,6-Dinitrotoluene	ND	UD	ug/Kg	360	2600	5	DIL
99-09-2	3-Nitroaniline	ND	UD	ug/Kg	330	6400	5	DIL
83-32-9	Acenaphthene	ND	UD	ug/Kg	460	2600	5	DIL
51-28-5	2,4-Dinitrophenol	ND	UD	ug/Kg	2200	6400	5	DIL
100-02-7	4-Nitrophenol	ND	UD	ug/Kg	320	6400	5	DIL
132-64-9	Dibenzofuran	ND	UD	ug/Kg	420	2600	5	DIL
121-14-2	2,4-Dinitrotoluene	ND	UD	ug/Kg	380	2600	5	DIL
84-66-2	Diethylphthalate	ND	UD	ug/Kg	440	2600	5	DIL
7005-72-3	4-Chlorophenyl-phenylether	ND	UD	ug/Kg	400	2600	5	DIL
86-73-7	Fluorene	ND	UD	ug/Kg	430	2600	5	DIL
100-01-6	4-Nitroaniline	ND	UD	ug/Kg	440	6400	5	DIL
534-52-1	4,6-Dinitro-2-methylphenol	ND	UD	ug/Kg	500	6400	5	DIL
86-30-6	N-Nitrosodiphenylamine	ND	UD	ug/Kg	420	2600	5	DIL
101-55-3	4-Bromophenyl-phenylether	ND	UD	ug/Kg	380	2600	5	DIL
118-74-1	Hexachlorobenzene	ND	UD	ug/Kg	410	2600	5	DIL
1912-24-9	Atrazine	ND	UD	ug/Kg	390	2600	5	DIL
87-86-5	Pentachlorophenol	ND	UD	ug/Kg	590	6400	5	DIL
85-01-8	Phenanthrene	ND	UD	ug/Kg	410	2600	5	DIL
120-12-7	Anthracene	ND	UD	ug/Kg	390	2600	5	DIL
86-74-8	Carbazole	ND	UD	ug/Kg	390	2600	5	DIL
84-74-2	Di-n-butylphthalate	ND	UD	ug/Kg	390	2600	5	DIL
206-44-0	Fluoranthene	ND	UD	ug/Kg	380	2600	5	DIL
129-00-0	Pyrene	ND	UD	ug/Kg	450	2600	5	DIL
85-68-7	Butylbenzylphthalate	ND	UD	ug/Kg	410	2600	5	DIL
91-94-1	3,3-Dichlorobenzidine	ND	UD	ug/Kg	440	2600	5	DIL
56-55-3	Benzo(a)anthracene	ND	UD	ug/Kg	360	2600	5	DIL

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date

06/22/06

Project ID: River Place #2
Customer Sample No.: ECE-3(-19)-062206DL
Test: SVOC-TCL BNA4.3 -20
Analytical Method: EPA SW-846 8270
Result Type: Final

Collected:

Date Received: 06/22/06
Lab Sample ID: X3428-04DL
SDG ID: X3428
% Moisture: 36.00

DataFile: BB032032

CAS Number Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9 Chrysene	ND	UD	ug/Kg	460	2600	5	DIL
117-81-7 bis(2-Ethylhexyl)phthalate	ND	UD	ug/Kg	490	2600	5	DIL
117-84-0 Di-n-octyl phthalate	ND	UD	ug/Kg	440	2600	5	DIL
205-99-2 Benzo(b)fluoranthene	ND	UD	ug/Kg	280	2600	5	DIL
207-08-9 Benzo(k)fluoranthene	ND	UD	ug/Kg	560	2600	5	DIL
50-32-8 Benzo(a)pyrene	ND	UD	ug/Kg	410	2600	5	DIL
193-39-5 Indeno(1,2,3-cd)pyrene	ND	UD	ug/Kg	320	2600	5	DIL
53-70-3 Dibenz(a,h)anthracene	ND	UD	ug/Kg	320	2600	5	DIL
191-24-2 Benzo(g,h,i)perylene	ND	UD	ug/Kg	420	2600	5	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-3(-19)-062206DL Lab Sample ID: X3428-04DL
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 - MED % Moisture: 36.00
Result Type: Final Datafile: VI006165

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	65	980	1	DIL
74-87-3	Chloromethane	ND	U	ug/Kg	130	980	1	DIL
75-01-4	Vinyl Chloride	ND	U	ug/Kg	52	980	1	DIL
74-83-9	Bromomethane	ND	U	ug/Kg	150	980	1	DIL
75-00-3	Chloroethane	ND	U	ug/Kg	170	980	1	DIL
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	110	980	1	DIL
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	140	980	1	DIL
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	63	980	1	DIL
67-64-1	Acetone	ND	U	ug/Kg	650	4900	1	DIL
75-15-0	Carbon Disulfide	ND	U	ug/Kg	76	980	1	DIL
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	70	980	1	DIL
79-20-9	Methyl Acetate	ND	U	ug/Kg	160	980	1	DIL
75-09-2	Methylene Chloride	ND	U	ug/Kg	120	980	1	DIL
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	100	980	1	DIL
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	42	980	1	DIL
110-82-7	Cyclohexane	ND	U	ug/Kg	72	980	1	DIL
78-93-3	2-Butanone	ND	U	ug/Kg	550	4900	1	DIL
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	92	980	1	DIL
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	150	980	1	DIL
67-66-3	Chloroform	ND	U	ug/Kg	110	980	1	DIL
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	80	980	1	DIL
108-87-2	Methylcyclohexane	350	JD	ug/Kg	120	980	1	DIL
71-43-2	Benzene	720	JD	ug/Kg	47	980	1	DIL
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	62	980	1	DIL
79-01-6	Trichloroethene	ND	U	ug/Kg	130	980	1	DIL
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	62	980	1	DIL
75-27-4	Bromodichloromethane	ND	U	ug/Kg	68	980	1	DIL
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	260	4900	1	DIL

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: ECE-3(-19)-062206DL
Lab Sample ID: X3428-04DL
Test: VOC-TCLVOA 4.3-10
SDG ID: X3428
Analytical Method: EPA SW846 8260 - MED
% Moisture: 36.00
Result Type: Final
DataFile: VI006165

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	1100	D	ug/Kg	76	980	1	DIL
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	83	980	1	DIL
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	30	980	1	DIL
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	100	980	1	DIL
591-78-6	2-Hexanone	ND	U	ug/Kg	130	4900	1	DIL
124-48-1	Dibromochloromethane	ND	U	ug/Kg	74	980	1	DIL
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	120	980	1	DIL
127-18-4	Tetrachloroethene	ND	U	ug/Kg	64	980	1	DIL
108-90-7	Chlorobenzene	ND	U	ug/Kg	72	980	1	DIL
100-41-4	Ethyl Benzene	3800	D	ug/Kg	80	980	1	DIL
126777-61-2	m/p-Xylenes	4900	D	ug/Kg	190	2000	1	DIL
95-47-6	o-Xylene	2300	D	ug/Kg	72	980	1	DIL
100-42-5	Styrene	ND	U	ug/Kg	67	980	1	DIL
75-25-2	Bromoform	ND	U	ug/Kg	49	980	1	DIL
98-82-8	Isopropylbenzene	440	JD	ug/Kg	65	980	1	DIL
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	97	980	1	DIL
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	73	980	1	DIL
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	76	980	1	DIL
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	71	980	1	DIL
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	180	980	1	DIL
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	56	980	1	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-3(-23)-062206 Lab Sample ID: X3428-05
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 38.00
Result Type: Final Datafile: BB032002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	530	1	
108-95-2	Phenol	ND	U	ug/Kg	81	530	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	84	530	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	85	530	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	88	530	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	86	530	1	
98-86-2	Acetophenone	ND	U	ug/Kg	78	530	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	84	530	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	88	530	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	90	530	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	530	1	
78-59-1	Isophorone	ND	U	ug/Kg	80	530	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	82	530	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	84	530	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	87	530	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	98	530	1	
91-20-3	Naphthalene	1900		ug/Kg	91	530	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	63	530	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	82	530	1	
105-60-2	Caprolactam	ND	U	ug/Kg	85	530	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	73	530	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	89	530	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	85	530	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	78	530	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	81	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	88	530	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	88	530	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	67	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-23)-062206

Lab Sample ID: X3428-05

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 38.00

Result Type: Final

DataFile: BB032002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	85	530	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	86	530	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	75	530	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	69	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	95	530	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	450	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	66	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	88	530	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	78	530	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	92	530	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	84	530	1	
86-73-7	Fluorene	ND	U	ug/Kg	90	530	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	91	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	88	530	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	79	530	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	85	530	1	
1912-24-9	Atrazine	ND	U	ug/Kg	81	530	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	85	530	1	
120-12-7	Anthracene	ND	U	ug/Kg	80	530	1	
86-74-8	Carbazole	ND	U	ug/Kg	81	530	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	81	530	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	79	530	1	
129-00-0	Pyrene	ND	U	ug/Kg	94	530	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	86	530	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	91	530	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	74	530	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-3(-23)-062206

Lab Sample ID: X3428-05

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 38.00

Result Type: Final

DataFile: BB032002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	95	530	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	530	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	90	530	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	58	530	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	530	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	85	530	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	67	530	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	67	530	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	88	530	1	
	ACP3.80	2700	AB	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	210	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	460	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-3(-23)-062206	Lab Sample ID:	X3428-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	38.00
Result Type:	Final	Datafile:	VK007371

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.9	40	1	
74-87-3	Chloromethane	ND	U	ug/Kg	6.9	40	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.6	40	1	
74-83-9	Bromomethane	ND	U	ug/Kg	16	40	1	
75-00-3	Chloroethane	ND	U	ug/Kg	17	40	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	10	40	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.4	40	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.6	40	1	
67-64-1	Acetone	130	J	ug/Kg	27	200	1	
75-15-0	Carbon Disulfide	90		ug/Kg	3.0	40	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.0	40	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.0	40	1	
75-09-2	Methylene Chloride	180	B	ug/Kg	15	40	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.2	40	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.2	40	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	2.6	40	1	
78-93-3	2-Butanone	44	J	ug/Kg	23	200	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.6	40	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.6	40	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.8	40	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.4	40	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.4	40	1	
71-43-2	Benzene	2000	E	ug/Kg	3.2	40	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.5	40	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.5	40	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.2	40	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.7	40	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	16	200	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-3(-23)-062206	Lab Sample ID:	X3428-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	38.00
Result Type:	Final	DataFile:	VK007371

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	53		ug/Kg	3.3	40	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.9	40	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.7	40	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.4	40	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	29	200	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9	40	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.2	40	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.9	40	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.9	40	1	
100-41-4	Ethyl Benzene	140		ug/Kg	2.9	40	1	
126777-61-2	m/p-Xylenes	160		ug/Kg	7.0	81	1	
95-47-6	o-Xylene	100		ug/Kg	3.1	40	1	
100-42-5	Styrene	ND	U	ug/Kg	3.7	40	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.5	40	1	
98-82-8	Isopropylbenzene	13	J	ug/Kg	3.4	40	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.5	40	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.5	40	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.4	40	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.1	40	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.6	40	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.5	40	1	
91-20-3	Naphthalene	740	J	ug/Kg	0	40	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-3(-23)-062206DL Lab Sample ID: X3428-05DL
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 - MED % Moisture: 38.00
Result Type: Final Datafile: VI006166

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	67	1000	1	DIL
74-87-3	Chloromethane	ND	U	ug/Kg	140	1000	1	DIL
75-01-4	Vinyl Chloride	ND	U	ug/Kg	54	1000	1	DIL
74-83-9	Bromomethane	ND	U	ug/Kg	160	1000	1	DIL
75-00-3	Chloroethane	ND	U	ug/Kg	180	1000	1	DIL
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	120	1000	1	DIL
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	140	1000	1	DIL
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	65	1000	1	DIL
67-64-1	Acetone	ND	U	ug/Kg	670	5000	1	DIL
75-15-0	Carbon Disulfide	ND	U	ug/Kg	79	1000	1	DIL
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	72	1000	1	DIL
79-20-9	Methyl Acetate	ND	U	ug/Kg	170	1000	1	DIL
75-09-2	Methylene Chloride	ND	U	ug/Kg	130	1000	1	DIL
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	100	1000	1	DIL
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	43	1000	1	DIL
110-82-7	Cyclohexane	ND	U	ug/Kg	74	1000	1	DIL
78-93-3	2-Butanone	ND	U	ug/Kg	570	5000	1	DIL
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	95	1000	1	DIL
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	160	1000	1	DIL
67-66-3	Chloroform	ND	U	ug/Kg	120	1000	1	DIL
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	82	1000	1	DIL
108-87-2	Methylcyclohexane	ND	U	ug/Kg	120	1000	1	DIL
71-43-2	Benzene	2200	D	ug/Kg	49	1000	1	DIL
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	65	1000	1	DIL
79-01-6	Trichloroethene	ND	U	ug/Kg	140	1000	1	DIL
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	64	1000	1	DIL
75-27-4	Bromodichloromethane	ND	U	ug/Kg	70	1000	1	DIL
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	270	5000	1	DIL

Report of Analysis**Client:** Langan Engineering and Environmental Services, Inc**Date Collected:** 06/22/06**Project ID:** River Place #2**Date Received:** 06/22/06**Customer Sample No.:** ECE-3(-23)-062206DL**Lab Sample ID:** X3428-05DL**Test:** VOC-TCLVOA 4.3-10**SDG ID:** X3428**Analytical Method:** EPA SW846 8260 - MED**% Moisture:** 38.00**Result Type:** Final**DataFile:** VI006166

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	78	1000	1	DIL
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	86	1000	1	DIL
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	31	1000	1	DIL
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	100	1000	1	DIL
591-78-6	2-Hexanone	ND	U	ug/Kg	130	5000	1	DIL
124-48-1	Dibromochloromethane	ND	U	ug/Kg	76	1000	1	DIL
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	130	1000	1	DIL
127-18-4	Tetrachloroethene	ND	U	ug/Kg	67	1000	1	DIL
108-90-7	Chlorobenzene	ND	U	ug/Kg	74	1000	1	DIL
100-41-4	Ethyl Benzene	270	JD	ug/Kg	82	1000	1	DIL
126777-61-2	m/p-Xylenes	230	JD	ug/Kg	190	2000	1	DIL
95-47-6	o-Xylene	ND	U	ug/Kg	74	1000	1	DIL
100-42-5	Styrene	ND	U	ug/Kg	69	1000	1	DIL
75-25-2	Bromoform	ND	U	ug/Kg	51	1000	1	DIL
98-82-8	Isopropylbenzene	ND	U	ug/Kg	67	1000	1	DIL
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	100	1000	1	DIL
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	75	1000	1	DIL
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	78	1000	1	DIL
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	74	1000	1	DIL
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	190	1000	1	DIL
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	58	1000	1	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-4(-19)-062206 Lab Sample ID: X3428-06
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 41.00
Result Type: Final Datafile: BB031997

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	550	1	
108-95-2	Phenol	ND	U	ug/Kg	84	550	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	87	550	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	88	550	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	92	550	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	89	550	1	
98-86-2	Acetophenone	ND	U	ug/Kg	81	550	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	87	550	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	92	550	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	94	550	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	550	1	
78-59-1	Isophorone	ND	U	ug/Kg	83	550	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	85	550	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	88	550	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	91	550	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	100	550	1	
91-20-3	Naphthalene	230	J	ug/Kg	95	550	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	66	550	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	85	550	1	
105-60-2	Caprolactam	ND	U	ug/Kg	89	550	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	76	550	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	92	550	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	88	550	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	81	550	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	85	1400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	91	550	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	92	550	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	70	1400	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-4(-19)-062206

Lab Sample ID: X3428-06

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 41.00

Result Type: Final

DataFile: BB031997

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	89	550	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	90	550	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	78	550	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	72	1400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	99	550	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	470	1400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	69	1400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	91	550	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	81	550	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	96	550	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	87	550	1	
86-73-7	Fluorene	ND	U	ug/Kg	93	550	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	95	1400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	110	1400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	91	550	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	83	550	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	88	550	1	
1912-24-9	Atrazine	ND	U	ug/Kg	85	550	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	130	1400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	88	550	1	
120-12-7	Anthracene	ND	U	ug/Kg	83	550	1	
86-74-8	Carbazole	ND	U	ug/Kg	84	550	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	84	550	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	82	550	1	
129-00-0	Pyrene	ND	U	ug/Kg	98	550	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	89	550	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	95	550	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	77	550	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-4(-19)-062206

Lab Sample ID: X3428-06

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 41.00

Result Type: Final

DataFile: BB031997

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	99	550	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	110	550	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	94	550	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	61	550	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	550	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	88	550	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	70	550	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	69	550	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	91	550	1	
	ACP3.80	2800	AB	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	280	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	460	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-4(-19)-062206 Lab Sample ID: X3428-06
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 41.00
Result Type: Final Datafile: VK007441

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.3	42	1	
74-87-3	Chloromethane	ND	U	ug/Kg	7.2	42	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	7.0	42	1	
74-83-9	Bromomethane	ND	U	ug/Kg	17	42	1	
75-00-3	Chloroethane	ND	U	ug/Kg	18	42	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	11	42	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.6	42	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.9	42	1	
67-64-1	Acetone	97	J	ug/Kg	28	210	1	
75-15-0	Carbon Disulfide	83		ug/Kg	3.1	42	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.1	42	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.3	42	1	
75-09-2	Methylene Chloride	71	B	ug/Kg	15	42	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.4	42	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.3	42	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	2.7	42	1	
78-93-3	2-Butanone	ND	U	ug/Kg	24	210	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.8	42	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.8	42	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.9	42	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.5	42	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.6	42	1	
71-43-2	Benzene	11	J	ug/Kg	3.4	42	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.6	42	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.6	42	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.4	42	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.8	42	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	17	210	1	

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: ECE-4(-19)-062206
Lab Sample ID: X3428-06
Test: VOC-TCLVOA 4.3-10
SDG ID: X3428
Analytical Method: EPA SW846 8260
% Moisture: 41.00
Result Type: Final
DataFile: VK007441

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.4	42	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.1	42	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.8	42	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.5	42	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	31	210	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9	42	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.4	42	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.2	42	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.1	42	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	3.0	42	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	7.3	85	1	
95-47-6	o-Xylene	ND	U	ug/Kg	3.3	42	1	
100-42-5	Styrene	ND	U	ug/Kg	3.9	42	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.6	42	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.5	42	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.6	42	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.7	42	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.6	42	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.3	42	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	8.0	42	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.8	42	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-4(-23)-062206 Lab Sample ID: X3428-07
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 11.00
Result Type: Final Datafile: BB032016

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	76	370	1	
108-95-2	Phenol	ND	U	ug/Kg	56	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	58	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	59	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	61	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	59	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	54	370	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	58	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	61	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	63	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	80	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	55	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	57	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	58	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	61	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	68	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	63	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	44	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	57	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	59	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	51	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	62	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	59	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	54	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	56	920	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	61	370	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	61	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	47	920	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-4(-23)-062206	Lab Sample ID:	X3428-07
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	11.00
Result Type:	Final	DataFile:	BB032016

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	59	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	60	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	52	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	48	920	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	66	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	920	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	46	920	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	61	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	54	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	64	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	58	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	62	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	63	920	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	72	920	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	61	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	55	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	59	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	56	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	85	920	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	59	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	56	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	56	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	56	370	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	55	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	65	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	60	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	63	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	52	370	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-4(-23)-062206	Lab Sample ID:	X3428-07

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 11.00

Result Type: Final

DataFile: BB032016

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	66	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	71	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	63	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	41	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	81	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	59	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	47	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	46	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	61	370	1	
	ACP3.76	1800	A	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	490	J	ug/Kg	0	0	1	TIC
	unknown22.70	170	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: ECE-4(-23)-062206 Lab Sample ID: X3428-07
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 11.00
Result Type: Final Datafile: VK007442

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.7	28	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.7	28	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.5	28	1	
74-83-9	Bromomethane	ND	U	ug/Kg	11	28	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	28	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	6.9	28	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.7	28	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.2	28	1	
67-64-1	Acetone	49	J	ug/Kg	19	140	1	
75-15-0	Carbon Disulfide	16	J	ug/Kg	2.0	28	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.0	28	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.8	28	1	
75-09-2	Methylene Chloride	39	B	ug/Kg	10	28	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.5	28	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	28	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8	28	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.4	28	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8	28	1	
67-66-3	Chloroform	ND	U	ug/Kg	1.9	28	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.3	28	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.3	28	1	
71-43-2	Benzene	ND	U	ug/Kg	2.2	28	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7	28	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.7	28	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.2	28	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.8	28	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-4(-23)-062206	Lab Sample ID:	X3428-07
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	11.00
Result Type:	Final	DataFile:	VK007442

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.2	28	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.0	28	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.8	28	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.6	28	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	28	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.2	28	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.0	28	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.0	28	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	1.9	28	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	4.8	55	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.1	28	1	
100-42-5	Styrene	ND	U	ug/Kg	2.5	28	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.7	28	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.3	28	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.7	28	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.0	28	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.1	28	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.2	28	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.8	28	1	
91-20-3	Naphthalene	42	J	ug/Kg	0	28	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-08
Test:	Corrosivity	SDG ID:	X3428
Analytical Method:	9045 Corrosivity	% Moisture:	38.30
Result Type:	Final	Datafile:	LB09981

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.00		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-COMP(-19)

Lab Sample ID: X3428-08

Test: Flash Point

SDG ID: X3428

Analytical Method: 1010 Flashpoint

% Moisture: 38.30

Result Type: Final

Datafile: LB09983

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: ECE-COMP(-19) **Lab Sample ID:** X3428-08

Test: Metals Group3 **SDG ID:** X3428

Analytical Method: Sulfur 6020 **% Moisture:** 38.30

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	17000		mg/Kg	15.9	15.9	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-08
Test:	PCB	SDG ID:	X3428
Analytical Method:	EPA SW-846 8082	% Moisture:	38.00
Result Type:	Final	Datafile:	P5004230

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	4.0	27	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	6.3	27	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	9.4	27	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	8.3	27	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	4.1	27	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.6	27	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	6.7	27	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-08
Test:	Reactive Cyanide	SDG ID:	X3428
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	38.30
Result Type:	Final	Datafile:	LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-08
Test:	Reactive Sulfide	SDG ID:	X3428
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	38.30
Result Type:	Final	Datafile:	LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: ECE-COMP(-19)
Lab Sample ID: X3428-09
Test: TCLP Metals Group2
SDG ID: X3428
Analytical Method: EPA SW-846 6010 - ICP2
% Moisture: 100.00
Result Type: Final
Datafile: 062606P2

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	156	JE	ug/L	7.2	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.3	50.0	1	
7440-47-3	Chromium	59.4	J	ug/L	3.4	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	50.3		ug/L	28.2	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	143		ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	569	E	ug/L	6.1	200	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-COMP(-19)

Lab Sample ID: X3428-09

Test: TCLP BNA

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 100.00

Result Type: Final

Datafile: BA025836

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-09
Test:	TCLP Herbicide	SDG ID:	X3428
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001820

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: ECE-COMP(-19) **Lab Sample ID:** X3428-09

Test: TCLP Mercury **SDG ID:** X3428

Analytical Method: EPA SW-846 7470 - HG **% Moisture:** 100.00

Result Type: Final **Datafile:** 062806A

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	0.3800	J	ug/L	0.3300	2	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-09
Test:	TCLP Pesticide	SDG ID:	X3428
Analytical Method:	EPA SW-846 8081 With 10 ppb	% Moisture:	100.00
Result Type:	Final	Datafile:	P4005476

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-19)	Lab Sample ID:	X3428-09
Test:	TCLP VOA	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	100.00
Result Type:	Final	Datafile:	VD005085

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	36		ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-10
Test:	Corrosivity	SDG ID:	X3428
Analytical Method:	9045 Corrosivity	% Moisture:	19.30
Result Type:	Final	Datafile:	LB09981

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.10		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: ECE-COMP(-23) **Lab Sample ID:** X3428-10

Test: Flash Point **SDG ID:** X3428

Analytical Method: 1010 Flashpoint **% Moisture:** 19.30

Result Type: Final **Datafile:** LB09983

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: ECE-COMP(-23) **Lab Sample ID:** X3428-10

Test: Metals Group3 **SDG ID:** X3428

Analytical Method: Sulfur 6020 **% Moisture:** 19.30

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	5560		mg/Kg	12.3	12.3	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-10
Test:	PCB	SDG ID:	X3428
Analytical Method:	EPA SW-846 8082	% Moisture:	19.00
Result Type:	Final	Datafile:	P5004231

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.1	21	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.8	21	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	7.1	21	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	6.3	21	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.1	21	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.0	21	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	5.1	21	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-10
Test:	Reactive Cyanide	SDG ID:	X3428
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	19.30
Result Type:	Final	Datafile:	LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-10
Test:	Reactive Sulfide	SDG ID:	X3428
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	19.30
Result Type:	Final	Datafile:	LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: ECE-COMP(-23)
Lab Sample ID: X3428-11
Test: TCLP Metals Group2
SDG ID: X3428
Analytical Method: EPA SW-846 6010 - ICP2
% Moisture: 100.00
Result Type: Final
Datafile: 062606P2

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	726	JE	ug/L	7.2	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.3	50.0	1	
7440-47-3	Chromium	114		ug/L	3.4	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	28.2	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	508	E	ug/L	6.1	200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-11
Test:	TCLP BNA	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	100.00
Result Type:	Final	Datafile:	BA025833

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-11
Test:	TCLP Herbicide	SDG ID:	X3428
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001821

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06					
Project ID:	River Place #2	Date Received:	06/22/06					
Customer Sample No.:	ECE-COMP(-23)	Lab Sample ID:	X3428-11					
Test:	TCLP Mercury	SDG ID:	X3428					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	062806A					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	0.6800	J	ug/L	0.3300		2	1



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: ECE-COMP(-23)
Lab Sample ID: X3428-11
Test: TCLP Pesticide
SDG ID: X3428
Analytical Method: EPA SW-846 8081 With 10 ppb
% Moisture: 100.00
Result Type: Final
Datafile: P4005477

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: ECE-COMP(-23)

Lab Sample ID: X3428-11

Test: TCLP VOA

SDG ID: X3428

Analytical Method: EPA SW846 8260

% Moisture: 100.00

Result Type: Final

Datafile: VD005086

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	27		ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-19)-062206	Lab Sample ID:	X3428-12
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	17.00
Result Type:	Final	Datafile:	BB031988

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	81	400	1	
108-95-2	Phenol	ND	U	ug/Kg	60	400	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	63	400	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	63	400	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	66	400	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	64	400	1	
98-86-2	Acetophenone	ND	U	ug/Kg	58	400	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	62	400	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	66	400	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	67	400	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	86	400	1	
78-59-1	Isophorone	ND	U	ug/Kg	60	400	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	61	400	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	63	400	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	65	400	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	73	400	1	
91-20-3	Naphthalene	76	J	ug/Kg	68	400	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	47	400	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	61	400	1	
105-60-2	Caprolactam	ND	U	ug/Kg	64	400	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	55	400	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	66	400	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	63	400	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	58	400	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	61	990	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	65	400	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	66	400	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	50	990	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: FOTR-1(-19)-062206

Lab Sample ID: X3428-12

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 17.00

Result Type: Final

DataFile: BB031988

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	64	400	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	64	400	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	56	400	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	52	990	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	71	400	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	340	990	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	49	990	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	65	400	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	58	400	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	68	400	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	63	400	1	
86-73-7	Fluorene	ND	U	ug/Kg	67	400	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	68	990	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	77	990	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	65	400	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	59	400	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	63	400	1	
1912-24-9	Atrazine	ND	U	ug/Kg	61	400	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	92	990	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	63	400	1	
120-12-7	Anthracene	ND	U	ug/Kg	60	400	1	
86-74-8	Carbazole	ND	U	ug/Kg	60	400	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	60	400	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	59	400	1	
129-00-0	Pyrene	ND	U	ug/Kg	70	400	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	64	400	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	68	400	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	55	400	1	

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/22/06

Project ID: River Place #2

Date Received: 06/22/06

Customer Sample No.: FOTR-1(-19)-062206

Lab Sample ID: X3428-12

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 17.00

Result Type: Final

DataFile: BB031988

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	71	400	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	76	400	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	67	400	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	44	400	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	87	400	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	63	400	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	50	400	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	50	400	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	65	400	1	
506-52-5	1-Hexacosanol	190	J	ug/Kg	0	0	1	TIC
	ACP3.80	1900	AB	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	330	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: FOTR-1(-19)-062206 Lab Sample ID: X3428-12
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 17.00
Result Type: Final Datafile: VK007443

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.1		30	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.1		30	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.9		30	1
74-83-9	Bromomethane	ND	U	ug/Kg	12		30	1
75-00-3	Chloroethane	ND	U	ug/Kg	13		30	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.4		30	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.0		30	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.4		30	1
67-64-1	Acetone	91	J	ug/Kg	20		150	1
75-15-0	Carbon Disulfide	83		ug/Kg	2.2		30	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.2		30	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.2		30	1
75-09-2	Methylene Chloride	42	B	ug/Kg	11		30	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.8		30	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6		30	1
110-82-7	Cyclohexane	14	J	ug/Kg	1.9		30	1
78-93-3	2-Butanone	35	J	ug/Kg	17		150	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6		30	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9		30	1
67-66-3	Chloroform	ND	U	ug/Kg	2.1		30	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.5		30	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.5		30	1
71-43-2	Benzene	120		ug/Kg	2.4		30	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8		30	1
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8		30	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.4		30	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.0		30	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12		150	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-19)-062206	Lab Sample ID:	X3428-12
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	17.00
Result Type:	Final	DataFile:	VK007443

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	6.8	J	ug/Kg	2.4	30	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.2	30	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.0	30	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.8	30	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	22	150	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.4	30	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.4	30	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.4	30	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.2	30	1	
100-41-4	Ethyl Benzene	120		ug/Kg	2.1	30	1	
126777-61-2	m/p-Xylenes	44	J	ug/Kg	5.2	60	1	
95-47-6	o-Xylene	57		ug/Kg	2.3	30	1	
100-42-5	Styrene	ND	U	ug/Kg	2.7	30	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	30	1	
98-82-8	Isopropylbenzene	25	J	ug/Kg	2.5	30	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.9	30	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.3	30	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.3	30	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.3	30	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.6	30	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.1	30	1	
000496-11-7	Indane	160	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: FOTR-1(-19)-062206RE Lab Sample ID: X3428-12RE
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 17.00
Result Type: Final Datafile: VK007466

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.3	31	1	RE
74-87-3	Chloromethane	ND	U	ug/Kg	5.3	31	1	RE
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.1	31	1	RE
74-83-9	Bromomethane	ND	U	ug/Kg	13	31	1	RE
75-00-3	Chloroethane	ND	U	ug/Kg	13	31	1	RE
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.7	31	1	RE
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.1	31	1	RE
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.6	31	1	RE
67-64-1	Acetone	100	J	ug/Kg	21	160	1	RE
75-15-0	Carbon Disulfide	64		ug/Kg	2.3	31	1	RE
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.3	31	1	RE
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.4	31	1	RE
75-09-2	Methylene Chloride	44	B	ug/Kg	11	31	1	RE
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.0	31	1	RE
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.7	31	1	RE
110-82-7	Cyclohexane	13	J	ug/Kg	2.0	31	1	RE
78-93-3	2-Butanone	47	J	ug/Kg	18	160	1	RE
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.8	31	1	RE
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.0	31	1	RE
67-66-3	Chloroform	ND	U	ug/Kg	2.2	31	1	RE
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.6	31	1	RE
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.6	31	1	RE
71-43-2	Benzene	140		ug/Kg	2.5	31	1	RE
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.9	31	1	RE
79-01-6	Trichloroethene	ND	U	ug/Kg	1.9	31	1	RE
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.5	31	1	RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.1	31	1	RE
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12	160	1	RE

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-19)-062206RE	Lab Sample ID:	X3428-12RE
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	17.00
Result Type:	Final	DataFile:	VK007466

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	10	J	ug/Kg	2.5	31	1	RE
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.3	31	1	RE
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.1	31	1	RE
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.8	31	1	RE
591-78-6	2-Hexanone	ND	U	ug/Kg	22	160	1	RE
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.4	31	1	RE
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.5	31	1	RE
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.5	31	1	RE
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.2	31	1	RE
100-41-4	Ethyl Benzene	150		ug/Kg	2.2	31	1	RE
126777-61-2	m/p-Xylenes	66		ug/Kg	5.4	62	1	RE
95-47-6	o-Xylene	76		ug/Kg	2.4	31	1	RE
100-42-5	Styrene	ND	U	ug/Kg	2.9	31	1	RE
75-25-2	Bromoform	ND	U	ug/Kg	1.9	31	1	RE
98-82-8	Isopropylbenzene	44		ug/Kg	2.6	31	1	RE
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.9	31	1	RE
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.5	31	1	RE
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.4	31	1	RE
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.4	31	1	RE
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.9	31	1	RE
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.2	31	1	RE
000496-11-7	Indane	320	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: FOTR-1(-23)-062206 Lab Sample ID: X3428-13
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3428
Analytical Method: EPA SW-846 8270 % Moisture: 27.00
Result Type: Final Datafile: BB031998

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	92	450	1	
108-95-2	Phenol	ND	U	ug/Kg	68	450	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	71	450	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	72	450	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	75	450	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	73	450	1	
98-86-2	Acetophenone	ND	U	ug/Kg	66	450	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	71	450	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	75	450	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	76	450	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	98	450	1	
78-59-1	Isophorone	ND	U	ug/Kg	68	450	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	69	450	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	71	450	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	74	450	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	83	450	1	
91-20-3	Naphthalene	ND	U	ug/Kg	77	450	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	54	450	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	69	450	1	
105-60-2	Caprolactam	ND	U	ug/Kg	72	450	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	62	450	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	75	450	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	72	450	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	66	450	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	69	1100	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	74	450	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	75	450	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	57	1100	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-23)-062206	Lab Sample ID:	X3428-13
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	27.00
Result Type:	Final	DataFile:	BB031998

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	72	450	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	73	450	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	64	450	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	59	1100	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	80	450	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	390	1100	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	56	1100	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	74	450	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	66	450	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	78	450	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	71	450	1	
86-73-7	Fluorene	ND	U	ug/Kg	76	450	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	77	1100	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	87	1100	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	74	450	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	67	450	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	72	450	1	
1912-24-9	Atrazine	ND	U	ug/Kg	69	450	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	100	1100	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	72	450	1	
120-12-7	Anthracene	ND	U	ug/Kg	68	450	1	
86-74-8	Carbazole	ND	U	ug/Kg	69	450	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	69	450	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	67	450	1	
129-00-0	Pyrene	ND	U	ug/Kg	80	450	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	73	450	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	77	450	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	63	450	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-23)-062206	Lab Sample ID:	X3428-13

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 27.00

Result Type: Final

DataFile: BB031998

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	81	450	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	86	450	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	77	450	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	50	450	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	99	450	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	72	450	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	57	450	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	56	450	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	74	450	1	
506-52-5	1-Hexacosanol	180	J	ug/Kg	0	0	1	TIC
	ACP3.80	1900	AB	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	220	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-23)-062206	Lab Sample ID:	X3428-13
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	27.00
Result Type:	Final	Datafile:	VK007467

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.9		34	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.8		34	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.6		34	1
74-83-9	Bromomethane	ND	U	ug/Kg	14		34	1
75-00-3	Chloroethane	ND	U	ug/Kg	15		34	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	8.5		34	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.6		34	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.9		34	1
67-64-1	Acetone	88	J	ug/Kg	23		170	1
75-15-0	Carbon Disulfide	98		ug/Kg	2.5		34	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.5		34	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.9		34	1
75-09-2	Methylene Chloride	64	B	ug/Kg	12		34	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.4		34	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.8		34	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.2		34	1
78-93-3	2-Butanone	39	J	ug/Kg	19		170	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.0		34	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.2		34	1
67-66-3	Chloroform	ND	U	ug/Kg	2.4		34	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.9		34	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.9		34	1
71-43-2	Benzene	42		ug/Kg	2.7		34	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.1		34	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.1		34	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.7		34	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.3		34	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	14		170	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-1(-23)-062206	Lab Sample ID:	X3428-13
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	27.00
Result Type:	Final	DataFile:	VK007467

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	7.1	J	ug/Kg	2.8		34	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.5		34	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.3		34	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.0		34	1
591-78-6	2-Hexanone	ND	U	ug/Kg	25	170	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.6		34	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.8		34	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.0		34	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.5		34	1
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.4		34	1
126777-61-2	m/p-Xylenes	9.7	J	ug/Kg	5.9		68	1
95-47-6	o-Xylene	ND	U	ug/Kg	2.6		34	1
100-42-5	Styrene	ND	U	ug/Kg	3.2		34	1
75-25-2	Bromoform	ND	U	ug/Kg	2.1		34	1
98-82-8	Isopropylbenzene	8.0	J	ug/Kg	2.8		34	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.1		34	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.8		34	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.7		34	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.6		34	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	6.5		34	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.7		34	1



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-2(-19)-062206
Lab Sample ID: X3428-14
Test: SVOC-TCL BNA4.3 -20
SDG ID: X3428
Analytical Method: EPA SW-846 8270
% Moisture: 43.00
Result Type: Final
Datafile: BB032018

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	120	580	1	
108-95-2	Phenol	ND	U	ug/Kg	87	580	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	91	580	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	92	580	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	96	580	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	93	580	1	
98-86-2	Acetophenone	ND	U	ug/Kg	84	580	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	91	580	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	96	580	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	98	580	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	130	580	1	
78-59-1	Isophorone	ND	U	ug/Kg	87	580	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	89	580	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	92	580	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	95	580	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	110	580	1	
91-20-3	Naphthalene	550	J	ug/Kg	99	580	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	69	580	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	89	580	1	
105-60-2	Caprolactam	ND	U	ug/Kg	93	580	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	80	580	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	97	580	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	92	580	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	85	580	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	88	1400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	95	580	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	96	580	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	73	1400	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-19)-062206	Lab Sample ID:	X3428-14
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	43.00
Result Type:	Final	DataFile:	BB032018

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	93	580	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	94	580	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	82	580	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	75	1400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	100	580	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	490	1400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	72	1400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	95	580	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	85	580	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	100	580	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	91	580	1	
86-73-7	Fluorene	ND	U	ug/Kg	97	580	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	99	1400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	110	1400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	95	580	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	86	580	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	92	580	1	
1912-24-9	Atrazine	ND	U	ug/Kg	89	580	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	130	1400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	92	580	1	
120-12-7	Anthracene	ND	U	ug/Kg	87	580	1	
86-74-8	Carbazole	ND	U	ug/Kg	88	580	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	88	580	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	86	580	1	
129-00-0	Pyrene	ND	U	ug/Kg	100	580	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	93	580	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	99	580	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	81	580	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-19)-062206	Lab Sample ID:	X3428-14

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 43.00

Result Type: Final

DataFile: BB032018

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	100	580	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	110	580	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	98	580	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	64	580	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	130	580	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	92	580	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	73	580	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	72	580	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	95	580	1	
74685-33-9	3-Eicosene, (E)-	370	J	ug/Kg	0	0	1	TIC
52132-58-8	Acetic acid, chloro-, hexadecyl es	330	J	ug/Kg	0	0	1	TIC
	ACP3.76	2900	A	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	280	J	ug/Kg	0	0	1	TIC
	unknown30.97	200	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-19)-062206	Lab Sample ID:	X3428-14
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	43.00
Result Type:	Final	Datafile:	VK007445

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.7		45	1
74-87-3	Chloromethane	ND	U	ug/Kg	7.6		45	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	7.4		45	1
74-83-9	Bromomethane	ND	U	ug/Kg	18		45	1
75-00-3	Chloroethane	ND	U	ug/Kg	19		45	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	11		45	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	6.0		45	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	5.1		45	1
67-64-1	Acetone	72	J	ug/Kg	30		220	1
75-15-0	Carbon Disulfide	27	J	ug/Kg	3.3		45	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.3		45	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.7		45	1
75-09-2	Methylene Chloride	61	B	ug/Kg	16		45	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.7		45	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.4		45	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.9		45	1
78-93-3	2-Butanone	ND	U	ug/Kg	25		220	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	4.0		45	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.9		45	1
67-66-3	Chloroform	ND	U	ug/Kg	3.1		45	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.7		45	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.8		45	1
71-43-2	Benzene	ND	U	ug/Kg	3.6		45	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.7		45	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.8		45	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.6		45	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	3.0		45	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	18		220	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-19)-062206	Lab Sample ID:	X3428-14
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	43.00
Result Type:	Final	DataFile:	VK007445

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.6		45	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.2		45	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	3.0		45	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.6		45	1
591-78-6	2-Hexanone	ND	U	ug/Kg	32	220	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	2.1		45	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.6		45	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.5		45	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.2		45	1
100-41-4	Ethyl Benzene	340		ug/Kg	3.2		45	1
126777-61-2	m/p-Xylenes	260		ug/Kg	7.7		90	1
95-47-6	o-Xylene	120		ug/Kg	3.4		45	1
100-42-5	Styrene	ND	U	ug/Kg	4.1		45	1
75-25-2	Bromoform	ND	U	ug/Kg	2.8		45	1
98-82-8	Isopropylbenzene	31	J	ug/Kg	3.7		45	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.8		45	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	5.0		45	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.9		45	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.5		45	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	8.4		45	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	6.1		45	1
000095-63-6	Benzene, 1,2,4-trimethyl-	160	J	ug/Kg	0		0	1 TIC
000496-11-7	Indane	1200	J	ug/Kg	0		0	1 TIC
91-20-3	Naphthalene	790	J	ug/Kg	0		45	1 TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-23)-062206	Lab Sample ID:	X3428-15
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	34.00
Result Type:	Final	Datafile:	BB032017

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	100	500	1	
108-95-2	Phenol	ND	U	ug/Kg	75	500	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	79	500	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	79	500	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	83	500	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	80	500	1	
98-86-2	Acetophenone	ND	U	ug/Kg	73	500	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	78	500	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	82	500	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	84	500	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	500	1	
78-59-1	Isophorone	ND	U	ug/Kg	75	500	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	77	500	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	79	500	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	82	500	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	92	500	1	
91-20-3	Naphthalene	120	J	ug/Kg	85	500	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	59	500	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	77	500	1	
105-60-2	Caprolactam	ND	U	ug/Kg	80	500	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	69	500	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	83	500	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	79	500	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	73	500	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	76	1200	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	82	500	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	83	500	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	63	1200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-23)-062206	Lab Sample ID:	X3428-15
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	34.00
Result Type:	Final	DataFile:	BB032017

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	80	500	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	81	500	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	70	500	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	65	1200	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	89	500	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	430	1200	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	62	1200	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	82	500	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	73	500	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	86	500	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	79	500	1	
86-73-7	Fluorene	ND	U	ug/Kg	84	500	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	85	1200	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	97	1200	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	82	500	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	74	500	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	80	500	1	
1912-24-9	Atrazine	ND	U	ug/Kg	76	500	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1200	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	79	500	1	
120-12-7	Anthracene	ND	U	ug/Kg	75	500	1	
86-74-8	Carbazole	ND	U	ug/Kg	76	500	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	76	500	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	74	500	1	
129-00-0	Pyrene	ND	U	ug/Kg	88	500	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	80	500	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	85	500	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	70	500	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-23)-062206	Lab Sample ID:	X3428-15

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3428

Analytical Method: EPA SW-846 8270

% Moisture: 34.00

Result Type: Final

DataFile: BB032017

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	89	500	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	95	500	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	85	500	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	55	500	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	500	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	80	500	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	63	500	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	62	500	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	82	500	1	
	ACP3.77	2600	A	ug/Kg	0	0	1	TIC
297-03-0	Cyclotetracosane	270	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	300	J	ug/Kg	0	0	1	TIC
13151-92-3	Tridecane, 7-cyclohexyl-	320	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/22/06
Project ID: River Place #2 Date Received: 06/22/06
Customer Sample No.: FOTR-2(-23)-062206 Lab Sample ID: X3428-15
Test: VOC-TCLVOA 4.3-10 SDG ID: X3428
Analytical Method: EPA SW846 8260 % Moisture: 34.00
Result Type: Final Datafile: VK007446

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.4		38	1
74-87-3	Chloromethane	ND	U	ug/Kg	6.4		38	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.2		38	1
74-83-9	Bromomethane	ND	U	ug/Kg	15		38	1
75-00-3	Chloroethane	ND	U	ug/Kg	16		38	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.4		38	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.0		38	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.3		38	1
67-64-1	Acetone	76	J	ug/Kg	25		190	1
75-15-0	Carbon Disulfide	27	J	ug/Kg	2.8		38	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.8		38	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.5		38	1
75-09-2	Methylene Chloride	71	B	ug/Kg	14		38	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.8		38	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.0		38	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.4		38	1
78-93-3	2-Butanone	ND	U	ug/Kg	21		190	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.3		38	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.4		38	1
67-66-3	Chloroform	ND	U	ug/Kg	2.6		38	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.1		38	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.2		38	1
71-43-2	Benzene	ND	U	ug/Kg	3.0		38	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.3		38	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.3		38	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.0		38	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.5		38	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15		190	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-2(-23)-062206	Lab Sample ID:	X3428-15
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	34.00
Result Type:	Final	DataFile:	VK007446

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.0		38	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.7		38	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.5		38	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.2		38	1
591-78-6	2-Hexanone	ND	U	ug/Kg	27	190	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.7		38	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.0		38	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.5		38	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.7		38	1
100-41-4	Ethyl Benzene	14	J	ug/Kg	2.7		38	1
126777-61-2	m/p-Xylenes	8.5	J	ug/Kg	6.5		75	1
95-47-6	o-Xylene	ND	U	ug/Kg	2.9		38	1
100-42-5	Styrene	ND	U	ug/Kg	3.5		38	1
75-25-2	Bromoform	ND	U	ug/Kg	2.3		38	1
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.1		38	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.3		38	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.2		38	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.1		38	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.9		38	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.1		38	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.1		38	1
000496-11-7	Indane	87	J	ug/Kg	0		0	1 TIC
91-20-3	Naphthalene	110	J	ug/Kg	0		38	1 TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-16
Test:	Corrosivity	SDG ID:	X3428
Analytical Method:	9045 Corrosivity	% Moisture:	8.40
Result Type:	Final	Datafile:	LB09981

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	7.10		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: FOTR-COMP(-19) **Lab Sample ID:** X3428-16

Test: Flash Point **SDG ID:** X3428

Analytical Method: 1010 Flashpoint **% Moisture:** 8.40

Result Type: Final **Datafile:** LB09983

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-16
Test:	Metals Group3	SDG ID:	X3428
Analytical Method:	Sulfur 6020	% Moisture:	8.40
Result Type:	Final	Datafile:	P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	8670		mg/Kg	10.7	10.7	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-16
Test:	PCB	SDG ID:	X3428
Analytical Method:	EPA SW-846 8082	% Moisture:	8.00
Result Type:	Final	Datafile:	P5004232

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	2.7	18	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.2	18	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	6.3	18	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	5.6	18	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	2.7	18	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	1.8	18	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	4.5	18	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-16
Test:	Reactive Cyanide	SDG ID:	X3428
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	8.40
Result Type:	Final	Datafile:	LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-16
Test:	Reactive Sulfide	SDG ID:	X3428
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	8.40
Result Type:	Final	Datafile:	LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-19)
Lab Sample ID: X3428-17
Test: TCLP Metals Group2
SDG ID: X3428
Analytical Method: EPA SW-846 6010 - ICP2
% Moisture: 100.00
Result Type: Final
Datafile: 062606P2

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	173	JE	ug/L	7.2	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.3	50.0	1	
7440-47-3	Chromium	127		ug/L	3.4	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	28.2	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	255	E	ug/L	6.1	200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-17
Test:	TCLP BNA	SDG ID:	X3428
Analytical Method:	EPA SW-846 8270	% Moisture:	100.00
Result Type:	Final	Datafile:	BA025834

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-17
Test:	TCLP Herbicide	SDG ID:	X3428
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001822

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: FOTR-COMP(-19) **Lab Sample ID:** X3428-17

Test: TCLP Mercury **SDG ID:** X3428

Analytical Method: EPA SW-846 7470 - HG **% Moisture:** 100.00

Result Type: Final **Datafile:** 062806A

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.3300	2	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-19)
Lab Sample ID: X3428-17
Test: TCLP Pesticide
SDG ID: X3428
Analytical Method: EPA SW-846 8081 With 10 ppb
% Moisture: 100.00
Result Type: Final
Datafile: P4005478

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-19)	Lab Sample ID:	X3428-17
Test:	TCLP VOA	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	100.00
Result Type:	Final	Datafile:	VD005087

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	ND	U	ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-23)	Lab Sample ID:	X3428-18
Test:	Corrosivity	SDG ID:	X3428
Analytical Method:	9045 Corrosivity	% Moisture:	35.10
Result Type:	Final	Datafile:	LB09981

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.10		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: FOTR-COMP(-23) **Lab Sample ID:** X3428-18

Test: Flash Point **SDG ID:** X3428

Analytical Method: 1010 Flashpoint **% Moisture:** 35.10

Result Type: Final **Datafile:** LB09983

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: FOTR-COMP(-23) **Lab Sample ID:** X3428-18

Test: Metals Group3 **SDG ID:** X3428

Analytical Method: Sulfur 6020 **% Moisture:** 35.10

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	15900		mg/Kg	15.4	15.4	10	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-23)
Lab Sample ID: X3428-18
Test: PCB
SDG ID: X3428
Analytical Method: EPA SW-846 8082
% Moisture: 35.00
Result Type: Final
Datafile: P5004233

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.9	26	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	6.0	26	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	9.0	26	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	8.0	26	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.9	26	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.5	26	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	6.4	26	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-23)	Lab Sample ID:	X3428-18
Test:	Reactive Cyanide	SDG ID:	X3428
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	35.10
Result Type:	Final	Datafile:	LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/22/06

Project ID: River Place #2 **Date Received:** 06/22/06

Customer Sample No.: FOTR-COMP(-23) **Lab Sample ID:** X3428-18

Test: Reactive Sulfide **SDG ID:** X3428

Analytical Method: 7.3.4.2 Reactive Sulfide **% Moisture:** 35.10

Result Type: Final **Datafile:** LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-23)
Lab Sample ID: X3428-19
Test: TCLP Metals Group2
SDG ID: X3428
Analytical Method: EPA SW-846 6010 - ICP2
% Moisture: 100.00
Result Type: Final
Datafile: 062606P2

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	ND	UE	ug/L	7.2	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.3	50.0	1	
7440-47-3	Chromium	79.1	J	ug/L	3.4	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	28.2	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	33.6	J	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	460	E	ug/L	6.1	200	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-23)
Lab Sample ID: X3428-19
Test: TCLP BNA
SDG ID: X3428
Analytical Method: EPA SW-846 8270
% Moisture: 100.00
Result Type: Final
Datafile: BA025835

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-23)
Lab Sample ID: X3428-19
Test: TCLP Herbicide
SDG ID: X3428
Analytical Method: EPA SW-846 8151
% Moisture: 100.00
Result Type: Final
Datafile: P8001823

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06					
Project ID:	River Place #2	Date Received:	06/22/06					
Customer Sample No.:	FOTR-COMP(-23)	Lab Sample ID:	X3428-19					
Test:	TCLP Mercury	SDG ID:	X3428					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	062806A					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.3300	2	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/22/06
Project ID: River Place #2
Date Received: 06/22/06
Customer Sample No.: FOTR-COMP(-23)
Lab Sample ID: X3428-19
Test: TCLP Pesticide
SDG ID: X3428
Analytical Method: EPA SW-846 8081 With 10 ppb
% Moisture: 100.00
Result Type: Final
Datafile: P4005479

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/22/06
Project ID:	River Place #2	Date Received:	06/22/06
Customer Sample No.:	FOTR-COMP(-23)	Lab Sample ID:	X3428-19
Test:	TCLP VOA	SDG ID:	X3428
Analytical Method:	EPA SW846 8260	% Moisture:	100.00
Result Type:	Final	Datafile:	VD005088

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	ND	U	ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found In Associated Method Blank

N = Presumptive Evidence of a Compound

Project #: X3428

7/5/2006 12:42:40 PM

End of Report

CHEMTECH

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.1
Final Wt/Vol: 0.5
Percent Solids 61.8
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-01
Lab File ID: P9002320.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-1(-19)-062206	TPH GC	ND	U	23575.30	ug/Kg

37
7/3/06

CHEMTECH

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.13
Final Wt/Vol: 0.5
Percent Solids 65.7
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-02
Lab File ID: P9002321.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-2(-19)-062206	TPH GC	ND	U	22131.88	ug/Kg

55
7/1/06

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.21
Final Wt/Vol: 0.5
Percent Solids 89.1
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-03
Lab File ID: P9002322.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-2(-23)-062206	TPH GC	ND	U	16233.63	ug/Kg

57
7/1/06

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.17
Final Wt/Vol: 0.5
Percent Solids 63.7
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-04
Lab File ID: P9002323.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-3(-19)-062206	TPH GC	29800		22766.57	ug/Kg

53
7/3/06

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**TABULATED RESULTS
Diesel Range Organics
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.32
Final Wt/Vol: 0.5
Percent Solids 62.1
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-05
Lab File ID: P9002324.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-3(-23)-062206	TPH GC	26600		23124.50	ug/Kg

JJ
7/3/06

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.16
Final Wt/Vol: 0.5
Percent Solids 59.3
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-06
Lab File ID: P9002325.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-4(-19)-062206	TPH GC	ND	U	24471.96	ug/Kg

71
7/3/06

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.25
Final Wt/Vol: 0.5
Percent Solids 88.8
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-07
Lab File ID: P9002326.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECE-4(-23)-062206	TPH GC	ND	U	16245.75	ug/Kg

JJ
7/3/06

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**TABULATED RESULTS
Diesel Range Organics
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.22
Final Wt/Vol: 0.5
Percent Solids 83.4
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-12
Lab File ID: P9002327.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-1(-19)-062206	TPH GC	ND	U	17331.73	ug/Kg

7/3/06

CHEMTECH

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.11
Final Wt/Vol: 0.5
Percent Solids 72.7
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-13
Lab File ID: P9002331.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-1(-23)-062206	TPH GC	ND	U	20027.36	ug/Kg

7/7/06

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092. Tel. (908) 789-8900. FAX (908) 789-8922

TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, Inc
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.19
Final Wt/Vol: 0.5
Percent Solids 57.2
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-14
Lab File ID: P9002332.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-2(-19)-062206	TPH GC	ND	U	25320.30	ug/Kg

7/3/06

CHEMTECH

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TABULATED RESULTS
Diesel Range Organics
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/22/06
Extraction Date: 6/26/06
Initial Wt/Vol: 15.41
Final Wt/Vol: 0.5
Percent Solids 65.8
Dilution Factor: 1

PrepBatch: PB20394
Matrix Solid
Lab Project: X3428
Lab Sample ID X3428-15
Lab File ID: P9002333.D
Analyst: JJ
Received Date: 06/22/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-2(-23)-062206	TPH GC	ND	U	21696.72	ug/Kg

TT
7/3/06

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

COC Number

059682

X 3444

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Largan Engineering
ADDRESS: 360 West 31st St., 8th Floor
CITY: New York STATE: NY ZIP: 10001
ATTENTION: Doane Edward Cafferty
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT PROJECT INFORMATION

PROJECT NAME: RPII
PROJECT NO: 5582407 LOCATION: 600 West 42nd
PROJECT MANAGER: Joel Landes
e-mail: dcafferty@largan.com
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT BILLING INFORMATION

BILL TO: same PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX: _____ DAYS*
HARD COPY: _____ DAYS*
EDD: 5 DAY TAT DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☒ EDD FORMAT excel

1 VOCs
2 SVOCs
3 TPH-Metals
4 TCLP Metals
5 Ignitability
6 Reactivity
7 Corrosivity
8 PCBs
9 Total Solids
10 TCLP Organics

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	1	FOTR-3(-19)-062306	soil	X	6/23/06	0940	2	X	X	X							
2.	2	FOTR-3(-23)-062306		X		0950	2	X	X	X							
3.	3	FOTR-4(-19)-062306		X		0955	2	X	X	X							
4.	4	FOTR-4(-23)-062306		X		1000	2	X	X	X							
5.	5	BR-2(-19)-062306		X		1010	2	X	X	X							
6.	6	BR-2(-23)-062306		X		1050	2	X	X	X							
7.	7	BR-3(-19)-062306		X		1205	2	X	X	X							
8.	8	BR-3(-23)-062306		X		1210	2	X	X	X							
9.	9	BR-4(-19)-062306		X			2	X	X	X							
10.	10	BR-4(-23)-062306		X			2	X	X	X							

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: <u>[Signature]</u>	DATE/TIME: <u>6/23/06 16:00</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant	Cooler Temp. <u>4°C</u>
RELINQUISHED BY: 2.	DATE/TIME:	RECEIVED BY: 2.	MeOH extraction requires an additional 4 oz jar for percent solid.	Ice In Cooler?: <u>YES</u>
RELINQUISHED BY: 3.	DATE/TIME: <u>18:30</u> <u>6/23/06</u>	RECEIVED FOR LAB BY: <u>[Signature]</u>	Comments:	

Page 1 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete:
☒ YES ☐ NO

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.

X3444

COC Number

055831

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Largan Engineering
ADDRESS: 360 West 31st St., 8th Floor
CITY: New York STATE: NY ZIP: 10001
ATTENTION: Doane Edward Cafferty
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT PROJECT INFORMATION

PROJECT NAME: RPII
PROJECT NO.: 5582407 LOCATION: 600 West 42nd St
PROJECT MANAGER: Joel Landes
e-mail: → dcafferty@largan.com
PHONE: 212-479-5400 FAX: 212-479-5444

CLIENT BILLING INFORMATION

BILL TO: Sure PO#: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
ATTENTION: _____ PHONE: _____

DATA TURNAROUND INFORMATION

FAX: _____ DAYS: _____
HARD COPY: _____ DAYS: _____
EDD: 5 day TAT DAYS: _____
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☒ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☒ EDD FORMAT excel

ANALYSIS

VOCs
SVOCs
THM - MRO to C-44
TCLP Metals
Toxicity / Corrosion
Leaching Soluble / Insoluble
PCBs
Total Sulfur
TCLP Organics

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	11 BR-5(-19)-062306	soil		X	6/23/06	1320	2	X	X	X							
2.	12 BR-5(-23)-062306			X		1325	2	X	X	X							
3.	13 BR-6(-19)-062306			X		1420	2	X	X	X							
4.	14 BR-6(-23)-062306			X		1430	2	X	X	X							
5.	15 BR-7(-19)-062306			X		1450	2	X	X	X							
6.	16 BR-7(-23)-062306			X		1500	2	X	X	X							
7.	17, 18 BR-comp(-19)-062306		X			X	1				X	X	X	X	X	X	
8.	19, 20 BR-comp(-23)-062306		X			X	1				X	X	X	X	X	X	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY: <u>[Signature]</u>	DATE/TIME: <u>6/23/06 16:00</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant MeOH extraction requires an additional 4 oz jar for percent solid. Comments: _____ Cooler Temp. <u>4°C</u> Ice in Cooler? <u>yes</u>
RELINQUISHED BY: _____	DATE/TIME: _____	RECEIVED BY: _____	
RELINQUISHED BY: _____	DATE/TIME: <u>6/23/06 18:30</u>	RECEIVED FOR LAB BY: <u>[Signature]</u>	

Page 2 of 3

SHIPPED VIA: CLIENT: ☐ HAND DELIVERED ☐ OVERNIGHT
CHEMTECH: ☒ PICKED UP ☐ OVERNIGHT

Shipment Complete: ☒ YES ☐ NO



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: FOTR-3(-19)-062306 Lab Sample ID: X3444-01
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 39.00
Result Type: Final Datafile: BB032024

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	540	1	
108-95-2	Phenol	ND	U	ug/Kg	82	540	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	85	540	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	86	540	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	90	540	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	87	540	1	
98-86-2	Acetophenone	ND	U	ug/Kg	79	540	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	85	540	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	89	540	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	92	540	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	540	1	
78-59-1	Isophorone	ND	U	ug/Kg	81	540	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	83	540	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	86	540	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	89	540	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	100	540	1	
91-20-3	Naphthalene	ND	U	ug/Kg	92	540	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	64	540	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	83	540	1	
105-60-2	Caprolactam	ND	U	ug/Kg	87	540	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	74	540	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	90	540	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	86	540	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	79	540	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	82	1400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	89	540	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	89	540	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	68	1400	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: FOTR-3(-19)-062306

Lab Sample ID: X3444-01

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 39.00

Result Type: Final

DataFile: BB032024

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	87	540	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	87	540	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	76	540	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	70	1400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	96	540	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	460	1400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	67	1400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	89	540	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	79	540	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	93	540	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	85	540	1	
86-73-7	Fluorene	ND	U	ug/Kg	91	540	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	92	1400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	89	540	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	80	540	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	86	540	1	
1912-24-9	Atrazine	ND	U	ug/Kg	83	540	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	86	540	1	
120-12-7	Anthracene	ND	U	ug/Kg	81	540	1	
86-74-8	Carbazole	ND	U	ug/Kg	82	540	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	82	540	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	80	540	1	
129-00-0	Pyrene	ND	U	ug/Kg	95	540	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	87	540	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	92	540	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	75	540	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: FOTR-3(-19)-062306

Lab Sample ID: X3444-01

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 39.00

Result Type: Final

DataFile: BB032024

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	97	540	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	540	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	92	540	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	59	540	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	540	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	86	540	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	68	540	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	68	540	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	89	540	1	
3913-02-8	1-Octanol, 2-butyl-	110	J	ug/Kg	0	0	1	TIC
	ACP3.75	2300	A	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	450	J	ug/Kg	0	0	1	TIC
559-74-0	Friedelan-3-one	260	J	ug/Kg	0	0	1	TIC
629-94-7	Heneicosane	110	J	ug/Kg	0	0	1	TIC
4630-07-3	Naphthalene, 1,2,3,5,6,7,8,8a-octa	210	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	1000	J	ug/Kg	0	0	1	TIC
7098-21-7	Tritetracontane	170	J	ug/Kg	0	0	1	TIC
	unknown21.13	120	J	ug/Kg	0	0	1	TIC
	unknown22.62	110	J	ug/Kg	0	0	1	TIC
	unknown30.65	350	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: FOTR-3(-19)-062306
Lab Sample ID: X3444-01
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 39.00
Result Type: Final
Datafile: VK007471

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.1		41	1
74-87-3	Chloromethane	ND	U	ug/Kg	7.1		41	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.8		41	1
74-83-9	Bromomethane	ND	U	ug/Kg	17		41	1
75-00-3	Chloroethane	ND	U	ug/Kg	18		41	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	10		41	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.5		41	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.7		41	1
67-64-1	Acetone	120	J	ug/Kg	28		210	1
75-15-0	Carbon Disulfide	110		ug/Kg	3.0		41	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.0		41	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.2		41	1
75-09-2	Methylene Chloride	78	B	ug/Kg	15		41	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.3		41	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.2		41	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.7		41	1
78-93-3	2-Butanone	ND	U	ug/Kg	23		210	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.7		41	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.7		41	1
67-66-3	Chloroform	ND	U	ug/Kg	2.9		41	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.5		41	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.5		41	1
71-43-2	Benzene	13	J	ug/Kg	3.3		41	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.5		41	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.6		41	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.3		41	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.8		41	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	16		210	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-3(-19)-062306	Lab Sample ID:	X3444-01
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	39.00
Result Type:	Final	DataFile:	VK007471

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.4		41	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.0		41	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.7		41	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.4		41	1
591-78-6	2-Hexanone	ND	U	ug/Kg	30	210	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9		41	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.3		41	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.0		41	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.0		41	1
100-41-4	Ethyl Benzene	73		ug/Kg	2.9		41	1
126777-61-2	m/p-Xylenes	42	J	ug/Kg	7.2		83	1
95-47-6	o-Xylene	56		ug/Kg	3.2		41	1
100-42-5	Styrene	ND	U	ug/Kg	3.8		41	1
75-25-2	Bromoform	ND	U	ug/Kg	2.6		41	1
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.4		41	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.6		41	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.6		41	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.5		41	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.2		41	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.8		41	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.7		41	1
000496-11-7	Indane	140	J	ug/Kg	0		0	1 TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: FOTR-3(-23)-062306 Lab Sample ID: X3444-02
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 11.00
Result Type: Final Datafile: BB032048

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	76	370	1	
108-95-2	Phenol	ND	U	ug/Kg	56	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	58	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	59	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	61	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	59	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	54	370	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	58	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	61	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	63	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	80	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	55	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	57	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	59	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	61	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	68	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	63	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	44	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	57	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	59	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	51	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	62	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	59	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	54	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	56	920	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	61	370	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	61	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	47	920	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-3(-23)-062306	Lab Sample ID:	X3444-02
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	11.00
Result Type:	Final	DataFile:	BB032048

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	59	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	60	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	52	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	48	920	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	66	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	920	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	46	920	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	61	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	54	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	64	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	58	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	62	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	63	920	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	72	920	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	61	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	55	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	59	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	56	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	85	920	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	59	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	56	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	56	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	56	370	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	55	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	65	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	60	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	63	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	52	370	1	

CHEMTECH

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-3(-23)-062306	Lab Sample ID:	X3444-02

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 11.00

Result Type: Final

DataFile: BB032048

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	66	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	71	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	63	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	41	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	81	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	59	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	47	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	46	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	61	370	1	
6971-40-0	17-Pentatriacontene	210	J	ug/Kg	0	0	1	TIC
	ACP3.77	1600	A	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	200	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: FOTR-3(-23)-062306 Lab Sample ID: X3444-02
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 11.00
Result Type: Final Datafile: VK007472

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.8	28	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.7	28	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.6	28	1	
74-83-9	Bromomethane	ND	U	ug/Kg	11	28	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	28	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	6.9	28	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.7	28	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.2	28	1	
67-64-1	Acetone	ND	U	ug/Kg	19	140	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.0	28	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.0	28	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.8	28	1	
75-09-2	Methylene Chloride	38	B	ug/Kg	10	28	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.6	28	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	28	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8	28	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.5	28	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8	28	1	
67-66-3	Chloroform	ND	U	ug/Kg	1.9	28	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.3	28	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.3	28	1	
71-43-2	Benzene	ND	U	ug/Kg	2.2	28	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7	28	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.7	28	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.2	28	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	28	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-3(-23)-062306	Lab Sample ID:	X3444-02
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	11.00
Result Type:	Final	DataFile:	VK007472

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	28	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.0	28	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.8	28	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.6	28	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	28	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.2	28	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.1	28	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.0	28	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.0	28	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	4.8	56	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.1	28	1	
100-42-5	Styrene	ND	U	ug/Kg	2.6	28	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.7	28	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.3	28	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.7	28	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.0	28	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.1	28	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.2	28	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.8	28	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: FOTR-4(-19)-062306 Lab Sample ID: X3444-03
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 54.00
Result Type: Final Datafile: BB032031

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	150	710	1	
108-95-2	Phenol	ND	U	ug/Kg	110	710	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	110	710	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	110	710	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	120	710	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	120	710	1	
98-86-2	Acetophenone	ND	U	ug/Kg	100	710	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	110	710	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	120	710	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	120	710	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	160	710	1	
78-59-1	Isophorone	ND	U	ug/Kg	110	710	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	110	710	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	110	710	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	120	710	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	130	710	1	
91-20-3	Naphthalene	ND	U	ug/Kg	120	710	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	85	710	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	110	710	1	
105-60-2	Caprolactam	ND	U	ug/Kg	120	710	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	99	710	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	120	710	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	110	710	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	110	710	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	110	1800	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	120	710	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	120	710	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	91	1800	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-19)-062306	Lab Sample ID:	X3444-03
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	54.00
Result Type:	Final	DataFile:	BB032031

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	120	710	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	120	710	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	100	710	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	93	1800	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	130	710	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	610	1800	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	89	1800	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	120	710	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	110	710	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	120	710	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	110	710	1	
86-73-7	Fluorene	ND	U	ug/Kg	120	710	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	120	1800	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	140	1800	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	120	710	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	110	710	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	110	710	1	
1912-24-9	Atrazine	ND	U	ug/Kg	110	710	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	170	1800	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	110	710	1	
120-12-7	Anthracene	ND	U	ug/Kg	110	710	1	
86-74-8	Carbazole	ND	U	ug/Kg	110	710	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	110	710	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	110	710	1	
129-00-0	Pyrene	ND	U	ug/Kg	130	710	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	120	710	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	120	710	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	100	710	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-19)-062306	Lab Sample ID:	X3444-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 54.00

Result Type: Final

DataFile: BB032031

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	130	710	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	140	710	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	120	710	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	79	710	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	160	710	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	110	710	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	91	710	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	90	710	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	120	710	1	
14811-95-1	1,19-Eicosadiene	980	J	ug/Kg	0	0	1	TIC
1599-67-3	1-Docosene	1000	J	ug/Kg	0	0	1	TIC
1000194-62-4	4,4,6a,6b,8a,11,11,14b-Octamethyl-ACP3.75	620	J	ug/Kg	0	0	1	TIC
112-95-8	Eicosane	3400	A	ug/Kg	0	0	1	TIC
559-74-0	Friedelan-3-one	290	J	ug/Kg	0	0	1	TIC
67860-04-2	Oxirane, heptadecyl-	2900	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	710	J	ug/Kg	0	0	1	TIC
124-25-4	Tetradecanal	390	J	ug/Kg	0	0	1	TIC
	unknown21.38	1100	J	ug/Kg	0	0	1	TIC
	unknown21.74	790	J	ug/Kg	0	0	1	TIC
	unknown22.62	6500	J	ug/Kg	0	0	1	TIC
	unknown24.22	390	J	ug/Kg	0	0	1	TIC
	unknown27.70	390	J	ug/Kg	0	0	1	TIC
	unknown29.42	270	J	ug/Kg	0	0	1	TIC
	unknown30.09	310	J	ug/Kg	0	0	1	TIC
	unknown30.41	440	J	ug/Kg	0	0	1	TIC
	unknown30.70	310	J	ug/Kg	0	0	1	TIC
	unknown31.28	4100	J	ug/Kg	0	0	1	TIC
		3400	J	ug/Kg	0	0	1	TIC

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: FOTR-4(-19)-062306

Lab Sample ID: X3444-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 54.00

Result Type: Final

DataFile: BB032031

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
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unknown31.82

570

J

ug/Kg

0

0

1

TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: FOTR-4(-19)-062306
Lab Sample ID: X3444-03
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 54.00
Result Type: Final
Datafile: VK007520

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	9.5		55	1
74-87-3	Chloromethane	ND	U	ug/Kg	9.5		55	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	9.1		55	1
74-83-9	Bromomethane	ND	U	ug/Kg	22		55	1
75-00-3	Chloroethane	ND	U	ug/Kg	24		55	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	14		55	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	7.4		55	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	6.4		55	1
67-64-1	Acetone	190	J	ug/Kg	37		280	1
75-15-0	Carbon Disulfide	120		ug/Kg	4.1		55	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	4.1		55	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	9.6		55	1
75-09-2	Methylene Chloride	98	B	ug/Kg	20		55	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	7.1		55	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	3.0		55	1
110-82-7	Cyclohexane	ND	U	ug/Kg	3.6		55	1
78-93-3	2-Butanone	66	J	ug/Kg	31		280	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	4.9		55	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	3.6		55	1
67-66-3	Chloroform	ND	U	ug/Kg	3.9		55	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	4.6		55	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	4.7		55	1
71-43-2	Benzene	13	J	ug/Kg	4.4		55	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	3.4		55	1
79-01-6	Trichloroethene	ND	U	ug/Kg	3.4		55	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	4.4		55	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	3.7		55	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	22		280	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-19)-062306	Lab Sample ID:	X3444-03
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	54.00
Result Type:	Final	DataFile:	VK007520

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	4.5	55	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	4.0	55	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	3.7	55	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	3.3	55	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	40	280	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	2.6	55	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	4.5	55	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	8.1	55	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	4.0	55	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	3.9	55	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	9.6	110	1	
95-47-6	o-Xylene	ND	U	ug/Kg	4.3	55	1	
100-42-5	Styrene	ND	U	ug/Kg	5.1	55	1	
75-25-2	Bromoform	ND	U	ug/Kg	3.4	55	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	4.6	55	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	3.4	55	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	6.2	55	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	6.0	55	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	4.3	55	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	10	55	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	7.6	55	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-23)-062306	Lab Sample ID:	X3444-04
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	63.00
Result Type:	Final	Datafile:	BB032030

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	180	890	1	
108-95-2	Phenol	ND	U	ug/Kg	130	890	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	140	890	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	140	890	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	150	890	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	140	890	1	
98-86-2	Acetophenone	ND	U	ug/Kg	130	890	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	140	890	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	150	890	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	150	890	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	190	890	1	
78-59-1	Isophorone	ND	U	ug/Kg	130	890	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	140	890	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	140	890	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	150	890	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	160	890	1	
91-20-3	Naphthalene	ND	U	ug/Kg	150	890	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	110	890	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	140	890	1	
105-60-2	Caprolactam	ND	U	ug/Kg	140	890	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	120	890	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	150	890	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	140	890	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	130	890	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	140	2200	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	150	890	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	150	890	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	110	2200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-23)-062306	Lab Sample ID:	X3444-04
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	63.00
Result Type:	Final	DataFile:	BB032030

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	140	890	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	140	890	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	130	890	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	120	2200	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	160	890	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	760	2200	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	110	2200	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	150	890	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	130	890	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	150	890	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	140	890	1	
86-73-7	Fluorene	ND	U	ug/Kg	150	890	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	150	2200	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	170	2200	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	150	890	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	130	890	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	140	890	1	
1912-24-9	Atrazine	ND	U	ug/Kg	140	890	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	210	2200	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	140	890	1	
120-12-7	Anthracene	ND	U	ug/Kg	130	890	1	
86-74-8	Carbazole	ND	U	ug/Kg	140	890	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	140	890	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	130	890	1	
129-00-0	Pyrene	ND	U	ug/Kg	160	890	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	140	890	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	150	890	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	120	890	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-23)-062306	Lab Sample ID:	X3444-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 63.00

Result Type: Final

DataFile: BB032030

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	160	890	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	170	890	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	150	890	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	98	890	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	200	890	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	140	890	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	110	890	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	110	890	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	150	890	1	
14811-95-1	1,19-Eicosadiene	590	J	ug/Kg	0	0	1	TIC
661-19-8	1-Docosanol	1500	J	ug/Kg	0	0	1	TIC
1599-67-3	1-Docosene	2200	J	ug/Kg	0	0	1	TIC
103-78-6	2-Propanone, 1-cyclohexyl-ACP3.76	480	J	ug/Kg	0	0	1	TIC
		4100	AB	ug/Kg	0	0	1	TIC
3691-11-0	Azulene, 1,2,3,5,6,7,8,8a-octahydr	300	J	ug/Kg	0	0	1	TIC
22611-26-3	D:C-Friedoolean-8-en-3-one	910	J	ug/Kg	0	0	1	TIC
514-07-8	D-Friedoolean-14-en-3-one	1800	J	ug/Kg	0	0	1	TIC
629-92-5	Nonadecane	1500	J	ug/Kg	0	0	1	TIC
630-02-4	Octacosane	860	J	ug/Kg	0	0	1	TIC
67860-04-2	Oxirane, heptadecyl-	490	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	380	J	ug/Kg	0	0	1	TIC
124-25-4	Tetradecanal	420	J	ug/Kg	0	0	1	TIC
	unknown25.04	440	J	ug/Kg	0	0	1	TIC
	unknown29.41	320	J	ug/Kg	0	0	1	TIC
	unknown29.91	390	J	ug/Kg	0	0	1	TIC
	unknown30.40	370	J	ug/Kg	0	0	1	TIC
	unknown31.00	450	J	ug/Kg	0	0	1	TIC
	unknown31.30	850	J	ug/Kg	0	0	1	TIC

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: FOTR-4(-23)-062306

Lab Sample ID: X3444-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 63.00

Result Type: Final

DataFile: BB032030

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	unknown33.99	590	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: FOTR-4(-23)-062306 Lab Sample ID: X3444-04
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 63.00
Result Type: Final Datafile: VK007474

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	11		67	1
74-87-3	Chloromethane	ND	U	ug/Kg	11		67	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	11		67	1
74-83-9	Bromomethane	ND	U	ug/Kg	27		67	1
75-00-3	Chloroethane	ND	U	ug/Kg	29		67	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	17		67	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	8.9		67	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	7.7		67	1
67-64-1	Acetone	190	J	ug/Kg	45		330	1
75-15-0	Carbon Disulfide	250		ug/Kg	4.9		67	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	4.9		67	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	12		67	1
75-09-2	Methylene Chloride	68	B	ug/Kg	24		67	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	8.5		67	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	3.6		67	1
110-82-7	Cyclohexane	ND	U	ug/Kg	4.3		67	1
78-93-3	2-Butanone	63	J	ug/Kg	38		330	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	5.9		67	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	4.3		67	1
67-66-3	Chloroform	ND	U	ug/Kg	4.7		67	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	5.6		67	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	5.6		67	1
71-43-2	Benzene	ND	U	ug/Kg	5.3		67	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	4.1		67	1
79-01-6	Trichloroethene	ND	U	ug/Kg	4.1		67	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	5.3		67	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	4.5		67	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	26		330	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	FOTR-4(-23)-062306	Lab Sample ID:	X3444-04
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	63.00
Result Type:	Final	DataFile:	VK007474

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	5.4	67	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	4.9	67	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	4.4	67	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	3.9	67	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	48	330	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	3.1	67	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	5.4	67	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	9.8	67	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	4.8	67	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	4.7	67	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	12	130	1	
95-47-6	o-Xylene	ND	U	ug/Kg	5.1	67	1	
100-42-5	Styrene	ND	U	ug/Kg	6.2	67	1	
75-25-2	Bromoform	ND	U	ug/Kg	4.1	67	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	5.6	67	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	4.2	67	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	7.5	67	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	7.3	67	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	5.2	67	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	13	67	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	9.1	67	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-19)-062306	Lab Sample ID:	X3444-05
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	42.00
Result Type:	Final	Datafile:	BB032044

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	120	570	1	
108-95-2	Phenol	ND	U	ug/Kg	86	570	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	90	570	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	91	570	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	94	570	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	91	570	1	
98-86-2	Acetophenone	ND	U	ug/Kg	83	570	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	90	570	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	94	570	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	96	570	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	570	1	
78-59-1	Isophorone	ND	U	ug/Kg	85	570	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	87	570	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	90	570	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	93	570	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	100	570	1	
91-20-3	Naphthalene	ND	U	ug/Kg	97	570	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	68	570	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	87	570	1	
105-60-2	Caprolactam	ND	U	ug/Kg	91	570	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	78	570	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	95	570	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	91	570	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	83	570	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	87	1400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	93	570	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	94	570	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	72	1400	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-19)-062306	Lab Sample ID:	X3444-05
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	42.00
Result Type:	Final	DataFile:	BB032044

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	91	570	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	92	570	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	80	570	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	74	1400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	100	570	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	490	1400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	70	1400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	94	570	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	83	570	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	98	570	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	90	570	1	
86-73-7	Fluorene	ND	U	ug/Kg	96	570	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	97	1400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	110	1400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	93	570	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	85	570	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	91	570	1	
1912-24-9	Atrazine	ND	U	ug/Kg	87	570	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	130	1400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	90	570	1	
120-12-7	Anthracene	ND	U	ug/Kg	86	570	1	
86-74-8	Carbazole	ND	U	ug/Kg	87	570	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	86	570	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	84	570	1	
129-00-0	Pyrene	ND	U	ug/Kg	100	570	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	92	570	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	97	570	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	79	570	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-19)-062306	Lab Sample ID:	X3444-05

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 42.00

Result Type: Final

DataFile: BB032044

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	100	570	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	110	570	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	97	570	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	62	570	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	570	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	91	570	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	72	570	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	71	570	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	94	570	1	
1599-67-3	1-Docosene	420	J	ug/Kg	0	0	1	TIC
	ACP3.78	2600	A	ug/Kg	0	0	1	TIC
6311-48-4	Dibenzylidene 4,4-biphenylenediam	210	J	ug/Kg	0	0	1	TIC
629-94-7	Heneicosane	240	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	260	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-19)-062306	Lab Sample ID:	X3444-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	42.00
Result Type:	Final	Datafile:	VK007475

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.2		42	1
74-87-3	Chloromethane	ND	U	ug/Kg	7.2		42	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	7.0		42	1
74-83-9	Bromomethane	ND	U	ug/Kg	17		42	1
75-00-3	Chloroethane	ND	U	ug/Kg	18		42	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	11		42	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.6		42	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.8		42	1
67-64-1	Acetone	76	J	ug/Kg	28		210	1
75-15-0	Carbon Disulfide	100		ug/Kg	3.1		42	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.1		42	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.3		42	1
75-09-2	Methylene Chloride	ND	U	ug/Kg	15		42	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.4		42	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.3		42	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.7		42	1
78-93-3	2-Butanone	ND	U	ug/Kg	24		210	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.7		42	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.7		42	1
67-66-3	Chloroform	ND	U	ug/Kg	2.9		42	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.5		42	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.5		42	1
71-43-2	Benzene	300		ug/Kg	3.4		42	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.6		42	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.6		42	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.4		42	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.8		42	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	17		210	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-19)-062306	Lab Sample ID:	X3444-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	42.00
Result Type:	Final	DataFile:	VK007475

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.4	42	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.1	42	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.8	42	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.5	42	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	30	210	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9	42	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.4	42	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.2	42	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.1	42	1	
100-41-4	Ethyl Benzene	100		ug/Kg	3.0	42	1	
126777-61-2	m/p-Xylenes	31	J	ug/Kg	7.3	85	1	
95-47-6	o-Xylene	56		ug/Kg	3.2	42	1	
100-42-5	Styrene	ND	U	ug/Kg	3.9	42	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.6	42	1	
98-82-8	Isopropylbenzene	100		ug/Kg	3.5	42	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.6	42	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.7	42	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.6	42	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.3	42	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	8.0	42	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.8	42	1	
004265-25-2	Benzofuran, 2-methyl-	240	J	ug/Kg	0	0	1	TIC
000496-11-7	Indane	4500	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	1100	J	ug/Kg	0	42	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-23)-062306	Lab Sample ID:	X3444-06
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	37.00
Result Type:	Final	Datafile:	BB032029

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	520	1	
108-95-2	Phenol	ND	U	ug/Kg	79	520	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	82	520	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	83	520	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	86	520	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	84	520	1	
98-86-2	Acetophenone	ND	U	ug/Kg	76	520	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	82	520	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	86	520	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	88	520	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	520	1	
78-59-1	Isophorone	ND	U	ug/Kg	78	520	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	80	520	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	82	520	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	85	520	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	96	520	1	
91-20-3	Naphthalene	380	J	ug/Kg	89	520	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	62	520	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	80	520	1	
105-60-2	Caprolactam	ND	U	ug/Kg	84	520	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	72	520	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	87	520	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	83	520	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	76	520	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	79	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	86	520	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	86	520	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	66	1300	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-23)-062306	Lab Sample ID:	X3444-06
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	37.00
Result Type:	Final	DataFile:	BB032029

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	84	520	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	84	520	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	74	520	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	68	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	93	520	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	440	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	86	520	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	76	520	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	90	520	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	82	520	1	
86-73-7	Fluorene	ND	U	ug/Kg	88	520	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	89	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	86	520	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	78	520	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	83	520	1	
1912-24-9	Atrazine	ND	U	ug/Kg	80	520	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	83	520	1	
120-12-7	Anthracene	ND	U	ug/Kg	78	520	1	
86-74-8	Carbazole	ND	U	ug/Kg	79	520	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	79	520	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	77	520	1	
129-00-0	Pyrene	ND	U	ug/Kg	92	520	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	84	520	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	89	520	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	73	520	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-23)-062306	Lab Sample ID:	X3444-06

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 37.00

Result Type: Final

DataFile: BB032029

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	93	520	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	520	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	88	520	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	57	520	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	520	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	83	520	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	66	520	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	65	520	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	86	520	1	
38775-38-1	1-Hexadecanesulfonyl chloride	260	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	1100	J	ug/Kg	0	0	1	TIC
	ACP3.75	2500	A	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-2(-23)-062306	Lab Sample ID:	X3444-06
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	37.00
Result Type:	Final	Datafile:	VK007476

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.8		40	1
74-87-3	Chloromethane	ND	U	ug/Kg	6.8		40	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.5		40	1
74-83-9	Bromomethane	ND	U	ug/Kg	16		40	1
75-00-3	Chloroethane	ND	U	ug/Kg	17		40	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.9		40	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.3		40	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.5		40	1
67-64-1	Acetone	90	J	ug/Kg	27		200	1
75-15-0	Carbon Disulfide	93		ug/Kg	2.9		40	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.9		40	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.9		40	1
75-09-2	Methylene Chloride	49	B	ug/Kg	14		40	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.1		40	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.1		40	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.6		40	1
78-93-3	2-Butanone	ND	U	ug/Kg	22		200	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.5		40	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.6		40	1
67-66-3	Chloroform	ND	U	ug/Kg	2.8		40	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.3		40	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.3		40	1
71-43-2	Benzene	1200		ug/Kg	3.2		40	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.4		40	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.4		40	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.2		40	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.7		40	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	16		200	1

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06
Project ID: River Place #2 **Date Received:** 06/23/06
Customer Sample No.: BR-2(-23)-062306 **Lab Sample ID:** X3444-06
Test: VOC-TCLVOA 4.3-10 **SDG ID:** X3444
Analytical Method: EPA SW846 8260 **% Moisture:** 37.00

Result Type: Final **DataFile:** VK007476

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	15	J	ug/Kg	3.2	40	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.9	40	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.6	40	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.3	40	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	29	200	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.8	40	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.2	40	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.8	40	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.9	40	1	
100-41-4	Ethyl Benzene	150		ug/Kg	2.8	40	1	
126777-61-2	m/p-Xylenes	83		ug/Kg	6.9	79	1	
95-47-6	o-Xylene	120		ug/Kg	3.0	40	1	
100-42-5	Styrene	ND	U	ug/Kg	3.7	40	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.5	40	1	
98-82-8	Isopropylbenzene	19	J	ug/Kg	3.3	40	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.5	40	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.4	40	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.3	40	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.1	40	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.5	40	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.4	40	1	
000496-11-7	Indane	700	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-3(-19)-062306 Lab Sample ID: X3444-07
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 15.00
Result Type: Final Datafile: BB032047

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	79	380	1	
108-95-2	Phenol	ND	U	ug/Kg	58	380	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	61	380	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	61	380	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	64	380	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	62	380	1	
98-86-2	Acetophenone	ND	U	ug/Kg	56	380	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	61	380	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	64	380	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	65	380	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	84	380	1	
78-59-1	Isophorone	ND	U	ug/Kg	58	380	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	59	380	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	61	380	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	63	380	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	71	380	1	
91-20-3	Naphthalene	ND	U	ug/Kg	66	380	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	46	380	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	59	380	1	
105-60-2	Caprolactam	ND	U	ug/Kg	62	380	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	53	380	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	64	380	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	61	380	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	56	380	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	59	960	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	63	380	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	64	380	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	49	960	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-19)-062306	Lab Sample ID:	X3444-07
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	15.00
Result Type:	Final	DataFile:	BB032047

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	62	380	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	62	380	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	54	380	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	50	960	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	68	380	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	330	960	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	48	960	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	64	380	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	56	380	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	66	380	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	61	380	1	
86-73-7	Fluorene	ND	U	ug/Kg	65	380	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	66	960	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	75	960	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	63	380	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	57	380	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	61	380	1	
1912-24-9	Atrazine	ND	U	ug/Kg	59	380	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	89	960	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	61	380	1	
120-12-7	Anthracene	ND	U	ug/Kg	58	380	1	
86-74-8	Carbazole	ND	U	ug/Kg	59	380	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	59	380	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	57	380	1	
129-00-0	Pyrene	ND	U	ug/Kg	68	380	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	62	380	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	66	380	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	54	380	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-19)-062306	Lab Sample ID:	X3444-07

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 15.00

Result Type: Final

DataFile: BB032047

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	69	380	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	74	380	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	65	380	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	42	380	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	85	380	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	61	380	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	49	380	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	48	380	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	64	380	1	
	ACP3.78	1800	A	ug/Kg	0	0	1	TIC
2136-70-1	Ethanol, 2-(tetradecyloxy)-	140	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	400	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-19)-062306	Lab Sample ID:	X3444-07
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	15.00
Result Type:	Final	Datafile:	VK007521

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.0		29	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.0		29	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.8		29	1
74-83-9	Bromomethane	ND	U	ug/Kg	12		29	1
75-00-3	Chloroethane	ND	U	ug/Kg	12		29	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.3		29	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.9		29	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3		29	1
67-64-1	Acetone	ND	U	ug/Kg	20		150	1
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1		29	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1		29	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.0		29	1
75-09-2	Methylene Chloride	35	B	ug/Kg	11		29	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.7		29	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6		29	1
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9		29	1
78-93-3	2-Butanone	ND	U	ug/Kg	16		150	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6		29	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9		29	1
67-66-3	Chloroform	ND	U	ug/Kg	2.0		29	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4		29	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4		29	1
71-43-2	Benzene	ND	U	ug/Kg	2.3		29	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8		29	1
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8		29	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3		29	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.0		29	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11		150	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-19)-062306	Lab Sample ID:	X3444-07
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	15.00
Result Type:	Final	DataFile:	VK007521

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.4		29	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1		29	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9		29	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7		29	1
591-78-6	2-Hexanone	ND	U	ug/Kg	21		150	1
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3		29	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3		29	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.3		29	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1		29	1
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.1		29	1
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.0		58	1
95-47-6	o-Xylene	ND	U	ug/Kg	2.2		29	1
100-42-5	Styrene	ND	U	ug/Kg	2.7		29	1
75-25-2	Bromoform	ND	U	ug/Kg	1.8		29	1
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4		29	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8		29	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2		29	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.2		29	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2		29	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.5		29	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.0		29	1



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-3(-23)-062306 Lab Sample ID: X3444-08
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 12.00
Result Type: Final Datafile: BB032028

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	77	370	1	
108-95-2	Phenol	ND	U	ug/Kg	57	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	59	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	60	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	62	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	60	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	55	370	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	59	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	62	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	64	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	82	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	56	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	58	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	59	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	62	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	69	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	64	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	45	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	58	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	60	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	52	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	63	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	60	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	55	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	57	940	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	62	370	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	62	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	48	940	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-23)-062306	Lab Sample ID:	X3444-08
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	12.00
Result Type:	Final	DataFile:	BB032028

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	60	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	61	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	53	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	49	940	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	67	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	940	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	46	940	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	62	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	55	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	65	370	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	59	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	63	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	64	940	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	73	940	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	62	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	56	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	60	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	57	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	87	940	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	60	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	56	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	57	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	57	370	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	56	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	66	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	61	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	64	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	52	370	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-23)-062306	Lab Sample ID:	X3444-08

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 12.00

Result Type: Final

DataFile: BB032028

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	67	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	72	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	64	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	41	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	82	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	60	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	48	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	47	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	62	370	1	
	ACP3.75	1700	A	ug/Kg	0	0	1	TIC
112-95-8	Eicosane	110	J	ug/Kg	0	0	1	TIC
629-78-7	Heptadecane	85	J	ug/Kg	0	0	1	TIC
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	78	J	ug/Kg	0	0	1	TIC
629-92-5	Nonadecane	88	J	ug/Kg	0	0	1	TIC
629-62-9	Pentadecane	170	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	300	J	ug/Kg	0	0	1	TIC
55045-10-8	Tridecane, 6-propyl-	110	J	ug/Kg	0	0	1	TIC
	unknown12.95	77	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-3(-23)-062306
Lab Sample ID: X3444-08
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 12.00
Result Type: Final
Datafile: VK007522

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.9		28	1
74-87-3	Chloromethane	ND	U	ug/Kg	4.8		28	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.7		28	1
74-83-9	Bromomethane	ND	U	ug/Kg	12		28	1
75-00-3	Chloroethane	ND	U	ug/Kg	12		28	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.1		28	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.8		28	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3		28	1
67-64-1	Acetone	ND	U	ug/Kg	19		140	1
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1		28	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1		28	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.9		28	1
75-09-2	Methylene Chloride	46	B	ug/Kg	10		28	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.6		28	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5		28	1
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8		28	1
78-93-3	2-Butanone	ND	U	ug/Kg	16		140	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.5		28	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8		28	1
67-66-3	Chloroform	ND	U	ug/Kg	2.0		28	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4		28	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4		28	1
71-43-2	Benzene	ND	U	ug/Kg	2.3		28	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7		28	1
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8		28	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3		28	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9		28	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11		140	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-3(-23)-062306	Lab Sample ID:	X3444-08
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	12.00
Result Type:	Final	DataFile:	VK007522

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	28	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	28	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	28	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	28	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	28	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	28	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.1	28	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	28	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.0	28	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	4.9	57	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	28	1	
100-42-5	Styrene	ND	U	ug/Kg	2.6	28	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	28	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4	28	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	28	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	28	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	28	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.4	28	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.9	28	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-4(-19)-062306	Lab Sample ID:	X3444-09
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	33.00
Result Type:	Final	Datafile:	BB032023

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	100	490	1	
108-95-2	Phenol	ND	U	ug/Kg	74	490	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	77	490	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	78	490	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	81	490	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	79	490	1	
98-86-2	Acetophenone	ND	U	ug/Kg	72	490	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	77	490	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	81	490	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	83	490	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	490	1	
78-59-1	Isophorone	ND	U	ug/Kg	74	490	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	75	490	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	78	490	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	81	490	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	91	490	1	
91-20-3	Naphthalene	3800		ug/Kg	84	490	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	58	490	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	75	490	1	
105-60-2	Caprolactam	ND	U	ug/Kg	79	490	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	68	490	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	82	490	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	78	490	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	72	490	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	75	1200	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	81	490	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	81	490	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	62	1200	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-19)-062306

Lab Sample ID: X3444-09

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 33.00

Result Type: Final

DataFile: BB032023

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	79	490	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	80	490	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	69	490	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	64	1200	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	87	490	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	420	1200	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	61	1200	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	81	490	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	72	490	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	85	490	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	77	490	1	
86-73-7	Fluorene	ND	U	ug/Kg	83	490	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	84	1200	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	95	1200	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	81	490	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	73	490	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	78	490	1	
1912-24-9	Atrazine	ND	U	ug/Kg	75	490	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	110	1200	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	78	490	1	
120-12-7	Anthracene	ND	U	ug/Kg	74	490	1	
86-74-8	Carbazole	ND	U	ug/Kg	75	490	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	75	490	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	73	490	1	
129-00-0	Pyrene	ND	U	ug/Kg	87	490	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	79	490	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	84	490	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	69	490	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-19)-062306

Lab Sample ID: X3444-09

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 33.00

Result Type: Final

DataFile: BB032023

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	88	490	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	94	490	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	83	490	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	54	490	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	490	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	78	490	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	62	490	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	61	490	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	81	490	1	
1454-85-9	1-Heptadecanol	290	J	ug/Kg	0	0	1	TIC
	ACP3.76	2400	AB	ug/Kg	0	0	1	TIC
526-73-8	Benzene, 1,2,3-trimethyl-	470	J	ug/Kg	0	0	1	TIC
108-38-3	Benzene, 1,3-dimethyl-	1400	J	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	2700	J	ug/Kg	0	0	1	TIC
95-13-6	Indene	1300	J	ug/Kg	0	0	1	TIC
106-42-3	p-Xylene	1400	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	980	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-4(-19)-062306
Lab Sample ID: X3444-09
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260 - MED
% Moisture: 33.00
Result Type: Final
Datafile: VH007916

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	62	930	1	
74-87-3	Chloromethane	770	J	ug/Kg	130	930	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	50	930	1	
74-83-9	Bromomethane	2500		ug/Kg	150	930	1	
75-00-3	Chloroethane	ND	U	ug/Kg	160	930	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	110	930	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	130	930	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	60	930	1	
67-64-1	Acetone	ND	U	ug/Kg	620	4700	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	73	930	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	67	930	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	150	930	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	120	930	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	96	930	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	40	930	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	68	930	1	
78-93-3	2-Butanone	ND	U	ug/Kg	530	4700	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	88	930	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	140	930	1	
67-66-3	Chloroform	ND	U	ug/Kg	110	930	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	76	930	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	110	930	1	
71-43-2	Benzene	8000		ug/Kg	45	930	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	60	930	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	130	930	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	59	930	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	65	930	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	250	4700	1	

Report of Analysis**Client:** Langan Engineering and Environmental Services, Inc**Date Collected:** 06/23/06**Project ID:** River Place #2**Date Received:** 06/23/06**Customer Sample No.:** BR-4(-19)-062306**Lab Sample ID:** X3444-09**Test:** VOC-TCLVOA 4.3-10**SDG ID:** X3444**Analytical Method:** EPA SW846 8260 - MED**% Moisture:** 33.00**Result Type:** Final**DataFile:** VH007916

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	210	J	ug/Kg	72	930	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	79	930	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	28	930	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	96	930	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	120	4700	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	71	930	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	120	930	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	62	930	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	69	930	1	
100-41-4	Ethyl Benzene	8200		ug/Kg	76	930	1	
126777-61-2	m/p-Xylenes	8000		ug/Kg	180	1900	1	
95-47-6	o-Xylene	4400		ug/Kg	68	930	1	
100-42-5	Styrene	ND	U	ug/Kg	64	930	1	
75-25-2	Bromoform	ND	U	ug/Kg	47	930	1	
98-82-8	Isopropylbenzene	360	J	ug/Kg	62	930	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	92	930	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	69	930	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	72	930	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	68	930	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	170	930	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	54	930	1	
000526-73-8	Benzene, 1,2,3-trimethyl-	1500	J	ug/Kg	0	0	1	TIC
000095-13-6	Indene	1500	J	ug/Kg	0	0	1	TIC
	Unknown11.9	6300	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	4700	J	ug/Kg	0	930	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-4(-23)-062306 Lab Sample ID: X3444-10
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 24.00
Result Type: Final Datafile: BB032036

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	89	430	1	
108-95-2	Phenol	ND	U	ug/Kg	66	430	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	68	430	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	69	430	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	72	430	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	70	430	1	
98-86-2	Acetophenone	ND	U	ug/Kg	63	430	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	68	430	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	72	430	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	74	430	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	95	430	1	
78-59-1	Isophorone	ND	U	ug/Kg	65	430	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	67	430	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	69	430	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	71	430	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	80	430	1	
91-20-3	Naphthalene	4200	E	ug/Kg	74	430	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	52	430	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	67	430	1	
105-60-2	Caprolactam	ND	U	ug/Kg	70	430	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	60	430	1	
91-57-6	2-Methylnaphthalene	430	J	ug/Kg	72	430	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	69	430	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	64	430	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	66	1100	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	71	430	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	72	430	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	55	1100	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-23)-062306

Lab Sample ID: X3444-10

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 24.00

Result Type: Final

DataFile: BB032036

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	70	430	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	70	430	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	61	430	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	56	1100	1	
83-32-9	Acenaphthene	100	J	ug/Kg	77	430	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	370	1100	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	54	1100	1	
132-64-9	Dibenzofuran	93	J	ug/Kg	72	430	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	64	430	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	75	430	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	68	430	1	
86-73-7	Fluorene	100	J	ug/Kg	73	430	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	74	1100	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	84	1100	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	71	430	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	65	430	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	69	430	1	
1912-24-9	Atrazine	ND	U	ug/Kg	66	430	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	100	1100	1	
85-01-8	Phenanthrene	450		ug/Kg	69	430	1	
120-12-7	Anthracene	120	J	ug/Kg	65	430	1	
86-74-8	Carbazole	ND	U	ug/Kg	66	430	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	66	430	1	
206-44-0	Fluoranthene	290	J	ug/Kg	64	430	1	
129-00-0	Pyrene	250	J	ug/Kg	77	430	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	70	430	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	74	430	1	
56-55-3	Benzo(a)anthracene	100	J	ug/Kg	61	430	1	

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284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-23)-062306

Lab Sample ID: X3444-10

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 24.00

Result Type: Final

DataFile: BB032036

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	100	J	ug/Kg	78	430	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	83	430	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	74	430	1	
205-99-2	Benzo(b)fluoranthene	92	J	ug/Kg	48	430	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	95	430	1	
50-32-8	Benzo(a)pyrene	81	J	ug/Kg	69	430	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	55	430	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	54	430	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	72	430	1	
25276-70-4	1-Pentadecanethiol	160	J	ug/Kg	0	0	1	TIC
	ACP3.75	2100	A	ug/Kg	0	0	1	TIC
108-67-8	Benzene, 1,3,5-trimethyl-	500	J	ug/Kg	0	0	1	TIC
108-38-3	Benzene, 1,3-dimethyl-	680	J	ug/Kg	0	0	1	TIC
620-14-4	Benzene, 1-ethyl-3-methyl-	290	J	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	1200	J	ug/Kg	0	0	1	TIC
95-13-6	Indene	670	J	ug/Kg	0	0	1	TIC
95-47-6	o-Xylene	1300	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	400	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-4(-23)-062306 Lab Sample ID: X3444-10
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 - MED % Moisture: 24.00
Result Type: Final Datafile: VH007917

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	55	820	1	
74-87-3	Chloromethane	450	J	ug/Kg	110	820	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	44	820	1	
74-83-9	Bromomethane	1700		ug/Kg	130	820	1	
75-00-3	Chloroethane	ND	U	ug/Kg	150	820	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	95	820	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	110	820	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	53	820	1	
67-64-1	Acetone	ND	U	ug/Kg	540	4100	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	64	820	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	59	820	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	140	820	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	100	820	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	85	820	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	35	820	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	60	820	1	
78-93-3	2-Butanone	ND	U	ug/Kg	470	4100	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	77	820	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	130	820	1	
67-66-3	Chloroform	ND	U	ug/Kg	95	820	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	67	820	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	99	820	1	
71-43-2	Benzene	8300		ug/Kg	40	820	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	53	820	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	110	820	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	52	820	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	57	820	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	220	4100	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-4(-23)-062306	Lab Sample ID:	X3444-10
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260 - MED	% Moisture:	24.00
Result Type:	Final	DataFile:	VH007917

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	110	J	ug/Kg	64	820	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	70	820	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	25	820	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	85	820	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	110	4100	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	62	820	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	100	820	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	54	820	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	61	820	1	
100-41-4	Ethyl Benzene	4700		ug/Kg	67	820	1	
126777-61-2	m/p-Xylenes	5000		ug/Kg	160	1600	1	
95-47-6	o-Xylene	3000		ug/Kg	60	820	1	
100-42-5	Styrene	ND	U	ug/Kg	56	820	1	
75-25-2	Bromoform	ND	U	ug/Kg	41	820	1	
98-82-8	Isopropylbenzene	290	J	ug/Kg	55	820	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	81	820	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	61	820	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	64	820	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	60	820	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	150	820	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	47	820	1	
000611-14-3	Benzene, 1-ethyl-2-methyl-	950	J	ug/Kg	0	0	1	TIC
000620-14-4	Benzene, 1-ethyl-3-methyl-	1500	J	ug/Kg	0	0	1	TIC
000095-13-6	Indene	1400	J	ug/Kg	0	0	1	TIC
026146-77-0	trans-Cinnamyl bromide	4700	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	6600	J	ug/Kg	0	820	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-4(-23)-062306DL
Lab Sample ID: X3444-10DL
Test: SVOC-TCL BNA4.3 -20
SDG ID: X3444
Analytical Method: EPA SW-846 8270
% Moisture: 24.00
Result Type: Final
Datafile: BB032052

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	UD	ug/Kg	180	860	2	DIL
108-95-2	Phenol	ND	UD	ug/Kg	130	860	2	DIL
111-44-4	bis(2-Chloroethyl)ether	ND	UD	ug/Kg	140	860	2	DIL
95-57-8	2-Chlorophenol	ND	UD	ug/Kg	140	860	2	DIL
95-48-7	2-Methylphenol	ND	UD	ug/Kg	140	860	2	DIL
108-60-1	2,2-oxybis(1-Chloropropane)	ND	UD	ug/Kg	140	860	2	DIL
98-86-2	Acetophenone	ND	UD	ug/Kg	130	860	2	DIL
106-44-5	3+4-Methylphenols	ND	UD	ug/Kg	140	860	2	DIL
621-64-7	N-Nitroso-di-n-propylamine	ND	UD	ug/Kg	140	860	2	DIL
67-72-1	Hexachloroethane	ND	UD	ug/Kg	150	860	2	DIL
98-95-3	Nitrobenzene	ND	UD	ug/Kg	190	860	2	DIL
78-59-1	Isophorone	ND	UD	ug/Kg	130	860	2	DIL
88-75-5	2-Nitrophenol	ND	UD	ug/Kg	130	860	2	DIL
105-67-9	2,4-Dimethylphenol	ND	UD	ug/Kg	140	860	2	DIL
111-91-1	bis(2-Chloroethoxy)methane	ND	UD	ug/Kg	140	860	2	DIL
120-83-2	2,4-Dichlorophenol	ND	UD	ug/Kg	160	860	2	DIL
91-20-3	Naphthalene	4900	D	ug/Kg	150	860	2	DIL
106-47-8	4-Chloroaniline	ND	UD	ug/Kg	100	860	2	DIL
87-68-3	Hexachlorobutadiene	ND	UD	ug/Kg	130	860	2	DIL
105-60-2	Caprolactam	ND	UD	ug/Kg	140	860	2	DIL
59-50-7	4-Chloro-3-methylphenol	ND	UD	ug/Kg	120	860	2	DIL
91-57-6	2-Methylnaphthalene	460	JD	ug/Kg	140	860	2	DIL
77-47-4	Hexachlorocyclopentadiene	ND	UD	ug/Kg	140	860	2	DIL
88-06-2	2,4,6-Trichlorophenol	ND	UD	ug/Kg	130	860	2	DIL
95-95-4	2,4,5-Trichlorophenol	ND	UD	ug/Kg	130	2200	2	DIL
92-52-4	1,1-Biphenyl	ND	UD	ug/Kg	140	860	2	DIL
91-58-7	2-Chloronaphthalene	ND	UD	ug/Kg	140	860	2	DIL
88-74-4	2-Nitroaniline	ND	UD	ug/Kg	110	2200	2	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-23)-062306DL

Lab Sample ID: X3444-10DL

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 24.00

Result Type: Final

DataFile: BB032052

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	UD	ug/Kg	140	860	2	DIL
208-96-8	Acenaphthylene	ND	UD	ug/Kg	140	860	2	DIL
606-20-2	2,6-Dinitrotoluene	ND	UD	ug/Kg	120	860	2	DIL
99-09-2	3-Nitroaniline	ND	UD	ug/Kg	110	2200	2	DIL
83-32-9	Acenaphthene	ND	UD	ug/Kg	150	860	2	DIL
51-28-5	2,4-Dinitrophenol	ND	UD	ug/Kg	740	2200	2	DIL
100-02-7	4-Nitrophenol	ND	UD	ug/Kg	110	2200	2	DIL
132-64-9	Dibenzofuran	ND	UD	ug/Kg	140	860	2	DIL
121-14-2	2,4-Dinitrotoluene	ND	UD	ug/Kg	130	860	2	DIL
84-66-2	Diethylphthalate	ND	UD	ug/Kg	150	860	2	DIL
7005-72-3	4-Chlorophenyl-phenylether	ND	UD	ug/Kg	140	860	2	DIL
86-73-7	Fluorene	ND	UD	ug/Kg	150	860	2	DIL
100-01-6	4-Nitroaniline	ND	UD	ug/Kg	150	2200	2	DIL
534-52-1	4,6-Dinitro-2-methylphenol	ND	UD	ug/Kg	170	2200	2	DIL
86-30-6	N-Nitrosodiphenylamine	ND	UD	ug/Kg	140	860	2	DIL
101-55-3	4-Bromophenyl-phenylether	ND	UD	ug/Kg	130	860	2	DIL
118-74-1	Hexachlorobenzene	ND	UD	ug/Kg	140	860	2	DIL
1912-24-9	Atrazine	ND	UD	ug/Kg	130	860	2	DIL
87-86-5	Pentachlorophenol	ND	UD	ug/Kg	200	2200	2	DIL
85-01-8	Phenanthrene	470	JD	ug/Kg	140	860	2	DIL
120-12-7	Anthracene	ND	UD	ug/Kg	130	860	2	DIL
86-74-8	Carbazole	ND	UD	ug/Kg	130	860	2	DIL
84-74-2	Di-n-butylphthalate	ND	UD	ug/Kg	130	860	2	DIL
206-44-0	Fluoranthene	320	JD	ug/Kg	130	860	2	DIL
129-00-0	Pyrene	250	JD	ug/Kg	150	860	2	DIL
85-68-7	Butylbenzylphthalate	ND	UD	ug/Kg	140	860	2	DIL
91-94-1	3,3-Dichlorobenzidine	ND	UD	ug/Kg	150	860	2	DIL
56-55-3	Benzo(a)anthracene	ND	UD	ug/Kg	120	860	2	DIL

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-4(-23)-062306DL

Lab Sample ID: X3444-10DL

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 24.00

Result Type: Final

DataFile: BB032052

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	UD	ug/Kg	160	860	2	DIL
117-81-7	bis(2-Ethylhexyl)phthalate	ND	UD	ug/Kg	170	860	2	DIL
117-84-0	Di-n-octyl phthalate	ND	UD	ug/Kg	150	860	2	DIL
205-99-2	Benzo(b)fluoranthene	98	JD	ug/Kg	95	860	2	DIL
207-08-9	Benzo(k)fluoranthene	ND	UD	ug/Kg	190	860	2	DIL
50-32-8	Benzo(a)pyrene	ND	UD	ug/Kg	140	860	2	DIL
193-39-5	Indeno(1,2,3-cd)pyrene	ND	UD	ug/Kg	110	860	2	DIL
53-70-3	Dibenz(a,h)anthracene	ND	UD	ug/Kg	110	860	2	DIL
191-24-2	Benzo(g,h,i)perylene	ND	UD	ug/Kg	140	860	2	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-5(-19)-062306 Lab Sample ID: X3444-11
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 42.00
Result Type: Final Datafile: BB032027

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	120	560	1	
108-95-2	Phenol	ND	U	ug/Kg	85	560	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	89	560	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	90	560	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	94	560	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	91	560	1	
98-86-2	Acetophenone	ND	U	ug/Kg	83	560	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	89	560	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	93	560	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	96	560	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	560	1	
78-59-1	Isophorone	ND	U	ug/Kg	85	560	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	87	560	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	90	560	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	93	560	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	100	560	1	
91-20-3	Naphthalene	190	J	ug/Kg	96	560	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	67	560	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	87	560	1	
105-60-2	Caprolactam	ND	U	ug/Kg	91	560	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	78	560	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	94	560	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	90	560	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	83	560	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	86	1400	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	93	560	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	94	560	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	72	1400	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-5(-19)-062306

Lab Sample ID: X3444-11

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 42.00

Result Type: Final

DataFile: BB032027

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	91	560	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	92	560	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	80	560	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	73	1400	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	100	560	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	480	1400	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	70	1400	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	93	560	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	83	560	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	97	560	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	89	560	1	
86-73-7	Fluorene	ND	U	ug/Kg	95	560	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	96	1400	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	110	1400	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	93	560	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	84	560	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	90	560	1	
1912-24-9	Atrazine	ND	U	ug/Kg	86	560	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	130	1400	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	90	560	1	
120-12-7	Anthracene	ND	U	ug/Kg	85	560	1	
86-74-8	Carbazole	ND	U	ug/Kg	86	560	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	86	560	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	84	560	1	
129-00-0	Pyrene	ND	U	ug/Kg	100	560	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	91	560	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	96	560	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	79	560	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-5(-19)-062306

Lab Sample ID: X3444-11

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 42.00

Result Type: Final

DataFile: BB032027

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	100	560	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	110	560	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	96	560	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	62	560	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	560	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	90	560	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	72	560	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	71	560	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	93	560	1	
	ACP3.75	2800	A	ug/Kg	0	0	1	TIC
18277-85-5	Chloroacetic acid, tridecyl ester	500	J	ug/Kg	0	0	1	TIC
297-24-5	Cyclooctacosane	460	J	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	230	J	ug/Kg	0	0	1	TIC
95-47-6	o-Xylene	290	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	510	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-5(-19)-062306 Lab Sample ID: X3444-11
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 42.00
Result Type: Final Datafile: VK007526

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.2	42	1	
74-87-3	Chloromethane	ND	U	ug/Kg	7.1	42	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.9	42	1	
74-83-9	Bromomethane	ND	U	ug/Kg	17	42	1	
75-00-3	Chloroethane	ND	U	ug/Kg	18	42	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	10	42	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.6	42	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.8	42	1	
67-64-1	Acetone	95	J	ug/Kg	28	210	1	
75-15-0	Carbon Disulfide	140		ug/Kg	3.1	42	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.1	42	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.2	42	1	
75-09-2	Methylene Chloride	19	JB	ug/Kg	15	42	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.3	42	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.3	42	1	
110-82-7	Cyclohexane	17	J	ug/Kg	2.7	42	1	
78-93-3	2-Butanone	ND	U	ug/Kg	24	210	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.7	42	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.7	42	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.9	42	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.5	42	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.5	42	1	
71-43-2	Benzene	180		ug/Kg	3.3	42	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.6	42	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.6	42	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.3	42	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.8	42	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	17	210	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-5(-19)-062306	Lab Sample ID:	X3444-11
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	42.00
Result Type:	Final	DataFile:	VK007526

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	62		ug/Kg	3.4	42	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.0	42	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.8	42	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.5	42	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	30	210	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9	42	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.4	42	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.1	42	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.0	42	1	
100-41-4	Ethyl Benzene	3400	E	ug/Kg	3.0	42	1	
126777-61-2	m/p-Xylenes	1600		ug/Kg	7.2	84	1	
95-47-6	o-Xylene	2700	E	ug/Kg	3.2	42	1	
100-42-5	Styrene	ND	U	ug/Kg	3.9	42	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.6	42	1	
98-82-8	Isopropylbenzene	83		ug/Kg	3.5	42	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.6	42	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.7	42	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.6	42	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.2	42	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.9	42	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.7	42	1	
000526-73-8	Benzene, 1,2,3-trimethyl-	150	J	ug/Kg	0	0	1	TIC
000496-11-7	Indane	1400	J	ug/Kg	0	0	1	TIC
000095-13-6	Indene	290	J	ug/Kg	0	0	1	TIC
	Unknown8.66	270	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	540	J	ug/Kg	0	42	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-5(-23)-062306 Lab Sample ID: X3444-12
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 12.00
Result Type: Final Datafile: BB032046

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	77	370	1	
108-95-2	Phenol	ND	U	ug/Kg	57	370	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	59	370	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	60	370	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	62	370	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	60	370	1	
98-86-2	Acetophenone	ND	U	ug/Kg	55	370	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	59	370	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	62	370	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	64	370	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	82	370	1	
78-59-1	Isophorone	ND	U	ug/Kg	56	370	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	58	370	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	59	370	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	62	370	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	69	370	1	
91-20-3	Naphthalene	ND	U	ug/Kg	64	370	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	45	370	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	58	370	1	
105-60-2	Caprolactam	ND	U	ug/Kg	60	370	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	52	370	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	63	370	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	60	370	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	55	370	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	57	940	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	62	370	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	62	370	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	48	940	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-5(-23)-062306

Lab Sample ID: X3444-12

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 12.00

Result Type: Final

DataFile: BB032046

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	60	370	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	61	370	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	53	370	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	49	940	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	67	370	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	940	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	46	940	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	62	370	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	55	370	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	65	370	1	
7005-72-34	Chlorophenyl-phenylether	ND	U	ug/Kg	59	370	1	
86-73-7	Fluorene	ND	U	ug/Kg	63	370	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	64	940	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	73	940	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	62	370	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	56	370	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	60	370	1	
1912-24-9	Atrazine	ND	U	ug/Kg	57	370	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	87	940	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	60	370	1	
120-12-7	Anthracene	ND	U	ug/Kg	57	370	1	
86-74-8	Carbazole	ND	U	ug/Kg	57	370	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	57	370	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	56	370	1	
129-00-0	Pyrene	ND	U	ug/Kg	66	370	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	61	370	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	64	370	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	52	370	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-5(-23)-062306

Lab Sample ID: X3444-12

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 12.00

Result Type: Final

DataFile: BB032046

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	67	370	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	72	370	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	64	370	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	41	370	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	82	370	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	60	370	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	48	370	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	47	370	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	62	370	1	
1599-67-3	1-Docosene	260	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene, ACP3.78	680	J	ug/Kg	0	0	1	TIC
		1700	A	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-5(-23)-062306 Lab Sample ID: X3444-12
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 12.00
Result Type: Final Datafile: VK007523

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.8	28	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.8	28	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.6	28	1	
74-83-9	Bromomethane	ND	U	ug/Kg	11	28	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	28	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.0	28	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.7	28	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.2	28	1	
67-64-1	Acetone	ND	U	ug/Kg	19	140	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1	28	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	28	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.9	28	1	
75-09-2	Methylene Chloride	38	B	ug/Kg	10	28	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.6	28	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	28	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8	28	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.5	28	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8	28	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.0	28	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	28	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	28	1	
71-43-2	Benzene	5.7	J	ug/Kg	2.2	28	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7	28	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.7	28	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.2	28	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	28	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-5(-23)-062306
Lab Sample ID: X3444-12
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 12.00
Result Type: Final
DataFile: VK007523

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	28	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.0	28	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	28	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	28	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	28	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	28	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.1	28	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.0	28	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.0	28	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	4.9	56	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	28	1	
100-42-5	Styrene	ND	U	ug/Kg	2.6	28	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.7	28	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.3	28	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.7	28	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	28	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.3	28	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.8	28	1	
91-20-3	Naphthalene	34	J	ug/Kg	0	28	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-6(-19)-062306 Lab Sample ID: X3444-13
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 15.00
Result Type: Final Datafile: BB032045

CAS Number Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7 Benzaldehyde	ND	U	ug/Kg	79	390	1	
108-95-2 Phenol	ND	U	ug/Kg	59	390	1	
111-44-4 bis(2-Chloroethyl)ether	ND	U	ug/Kg	61	390	1	
95-57-8 2-Chlorophenol	ND	U	ug/Kg	62	390	1	
95-48-7 2-Methylphenol	ND	U	ug/Kg	64	390	1	
108-60-1 2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	62	390	1	
98-86-2 Acetophenone	ND	U	ug/Kg	57	390	1	
106-44-5 3+4-Methylphenols	ND	U	ug/Kg	61	390	1	
621-64-7 N-Nitroso-di-n-propylamine	ND	U	ug/Kg	64	390	1	
67-72-1 Hexachloroethane	ND	U	ug/Kg	66	390	1	
98-95-3 Nitrobenzene	ND	U	ug/Kg	84	390	1	
78-59-1 Isophorone	ND	U	ug/Kg	58	390	1	
88-75-5 2-Nitrophenol	ND	U	ug/Kg	60	390	1	
105-67-9 2,4-Dimethylphenol	ND	U	ug/Kg	61	390	1	
111-91-1 bis(2-Chloroethoxy)methane	ND	U	ug/Kg	64	390	1	
120-83-2 2,4-Dichlorophenol	ND	U	ug/Kg	72	390	1	
91-20-3 Naphthalene	ND	U	ug/Kg	66	390	1	
106-47-8 4-Chloroaniline	ND	U	ug/Kg	46	390	1	
87-68-3 Hexachlorobutadiene	ND	U	ug/Kg	60	390	1	
105-60-2 Caprolactam	ND	U	ug/Kg	62	390	1	
59-50-7 4-Chloro-3-methylphenol	ND	U	ug/Kg	53	390	1	
91-57-6 2-Methylnaphthalene	ND	U	ug/Kg	65	390	1	
77-47-4 Hexachlorocyclopentadiene	ND	U	ug/Kg	62	390	1	
88-06-2 2,4,6-Trichlorophenol	ND	U	ug/Kg	57	390	1	
95-95-4 2,4,5-Trichlorophenol	ND	U	ug/Kg	59	970	1	
92-52-4 1,1-Biphenyl	ND	U	ug/Kg	64	390	1	
91-58-7 2-Chloronaphthalene	ND	U	ug/Kg	64	390	1	
88-74-4 2-Nitroaniline	ND	U	ug/Kg	49	970	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-6(-19)-062306

Lab Sample ID: X3444-13

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 15.00

Result Type: Final

DataFile: BB032045

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	62	390	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	63	390	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	55	390	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	50	970	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	69	390	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	330	970	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	48	970	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	64	390	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	57	390	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	67	390	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	61	390	1	
86-73-7	Fluorene	ND	U	ug/Kg	65	390	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	66	970	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	75	970	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	64	390	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	58	390	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	62	390	1	
1912-24-9	Atrazine	ND	U	ug/Kg	59	390	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	90	970	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	62	390	1	
120-12-7	Anthracene	ND	U	ug/Kg	58	390	1	
86-74-8	Carbazole	ND	U	ug/Kg	59	390	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	59	390	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	58	390	1	
129-00-0	Pyrene	ND	U	ug/Kg	68	390	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	63	390	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	66	390	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	54	390	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-6(-19)-062306

Lab Sample ID: X3444-13

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 15.00

Result Type: Final

DataFile: BB032045

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	69	390	1	
117-81-7	bis(2-Ethylhexyl) phthalate	ND	U	ug/Kg	74	390	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	66	390	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	43	390	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	85	390	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	62	390	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	49	390	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	49	390	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	64	390	1	
	ACP3.77	1700	A	ug/Kg	0	0	1	TIC
1000151-22-6	Cyclodocosane, ethyl-	260	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	400	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-6(-19)-062306 Lab Sample ID: X3444-13
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 15.00
Result Type: Final Datafile: VK007524

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.8	28	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.8	28	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.7	28	1	
74-83-9	Bromomethane	ND	U	ug/Kg	11	28	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	28	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.1	28	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.8	28	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.2	28	1	
67-64-1	Acetone	99	J	ug/Kg	19	140	1	
75-15-0	Carbon Disulfide	47		ug/Kg	2.1	28	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	28	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.9	28	1	
75-09-2	Methylene Chloride	41	B	ug/Kg	10	28	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.6	28	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	28	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8	28	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.5	28	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8	28	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.0	28	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	28	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	28	1	
71-43-2	Benzene	ND	U	ug/Kg	2.3	28	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7	28	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.7	28	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.2	28	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	28	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-6(-19)-062306
Lab Sample ID: X3444-13
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 15.00
Result Type: Final
DataFile: VK007524

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	28	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	28	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	28	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	28	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	28	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	28	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.1	28	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.0	28	1	
100-41-4	Ethyl Benzene	8.7	J	ug/Kg	2.0	28	1	
126777-61-2	m/p-Xylenes	14	J	ug/Kg	4.9	57	1	
95-47-6	o-Xylene	8.9	J	ug/Kg	2.2	28	1	
100-42-5	Styrene	ND	U	ug/Kg	2.6	28	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	28	1	
98-82-8	Isopropylbenzene	26	J	ug/Kg	2.4	28	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	28	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	28	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.1	28	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	28	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.3	28	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.9	28	1	
002234-20-0	2,4-Dimethylstyrene	31	J	ug/Kg	0	0	1	TIC
000768-00-3	Benzene, (1-methyl-1-propenyl)-, (	75	J	ug/Kg	0	0	1	TIC
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	43	J	ug/Kg	0	0	1	TIC
000526-73-8	Benzene, 1,2,3-trimethyl-	48	J	ug/Kg	0	0	1	TIC
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	29	J	ug/Kg	0	0	1	TIC
000496-11-7	Indane	37	J	ug/Kg	0	0	1	TIC
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	36	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-6(-19)-062306
Lab Sample ID: X3444-13
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 15.00
Result Type: Final
DataFile: VK007524

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
000090-12-0	Naphthalene, 1-methyl-	46	J	ug/Kg	0	0	1	TIC
	Unknown11.35	65	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	200	J	ug/Kg	0	28	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-6(-23)-062306 Lab Sample ID: X3444-14
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 39.00
Result Type: Final Datafile: BB032034

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	540	1	
108-95-2	Phenol	ND	U	ug/Kg	81	540	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	85	540	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	86	540	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	89	540	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	87	540	1	
98-86-2	Acetophenone	ND	U	ug/Kg	79	540	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	85	540	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	89	540	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	91	540	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	120	540	1	
78-59-1	Isophorone	ND	U	ug/Kg	81	540	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	83	540	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	85	540	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	88	540	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	99	540	1	
91-20-3	Naphthalene	ND	U	ug/Kg	92	540	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	64	540	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	83	540	1	
105-60-2	Caprolactam	ND	U	ug/Kg	86	540	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	74	540	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	90	540	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	86	540	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	79	540	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	82	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	89	540	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	89	540	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	68	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-6(-23)-062306

Lab Sample ID: X3444-14

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 39.00

Result Type: Final

DataFile: BB032034

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	86	540	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	87	540	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	76	540	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	70	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	96	540	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	460	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	67	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	89	540	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	79	540	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	93	540	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	85	540	1	
86-73-7	Fluorene	ND	U	ug/Kg	91	540	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	92	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	89	540	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	80	540	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	86	540	1	
1912-24-9	Atrazine	ND	U	ug/Kg	82	540	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	86	540	1	
120-12-7	Anthracene	ND	U	ug/Kg	81	540	1	
86-74-8	Carbazole	ND	U	ug/Kg	82	540	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	82	540	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	80	540	1	
129-00-0	Pyrene	ND	U	ug/Kg	95	540	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	87	540	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	92	540	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	75	540	1	

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-6(-23)-062306

Lab Sample ID: X3444-14

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 39.00

Result Type: Final

DataFile: BB032034

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	97	540	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	540	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	92	540	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	59	540	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	120	540	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	86	540	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	68	540	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	67	540	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	89	540	1	
1454-84-8	1-Nonadecanol	210	J	ug/Kg	0	0	1	TIC
	ACP3.76	2500	AB	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	660	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-6(-23)-062306 Lab Sample ID: X3444-14
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 39.00
Result Type: Final Datafile: VK007525

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.9	41	1	
74-87-3	Chloromethane	ND	U	ug/Kg	6.9	41	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.7	41	1	
74-83-9	Bromomethane	ND	U	ug/Kg	16	41	1	
75-00-3	Chloroethane	ND	U	ug/Kg	17	41	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	10	41	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.4	41	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.7	41	1	
67-64-1	Acetone	ND	U	ug/Kg	27	200	1	
75-15-0	Carbon Disulfide	12	J	ug/Kg	3.0	41	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.0	41	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.0	41	1	
75-09-2	Methylene Chloride	45	B	ug/Kg	15	41	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.2	41	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.2	41	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	2.6	41	1	
78-93-3	2-Butanone	ND	U	ug/Kg	23	200	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.6	41	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.6	41	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.8	41	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.4	41	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.4	41	1	
71-43-2	Benzene	11	J	ug/Kg	3.2	41	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.5	41	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	2.5	41	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.2	41	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.7	41	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	16	200	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-6(-23)-062306	Lab Sample ID:	X3444-14
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	39.00
Result Type:	Final	DataFile:	VK007525

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.3	41	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.9	41	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.7	41	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.4	41	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	29	200	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.9	41	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.3	41	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.9	41	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.9	41	1	
100-41-4	Ethyl Benzene	12	J	ug/Kg	2.9	41	1	
126777-61-2	m/p-Xylenes	24	J	ug/Kg	7.0	81	1	
95-47-6	o-Xylene	15	J	ug/Kg	3.1	41	1	
100-42-5	Styrene	ND	U	ug/Kg	3.7	41	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.5	41	1	
98-82-8	Isopropylbenzene	13	J	ug/Kg	3.4	41	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.5	41	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.5	41	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.4	41	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.1	41	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.6	41	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.5	41	1	
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	120	J	ug/Kg	0	0	1	TIC
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	55	J	ug/Kg	0	0	1	TIC
000526-73-8	Benzene, 1,2,3-trimethyl-	74	J	ug/Kg	0	0	1	TIC
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	45	J	ug/Kg	0	0	1	TIC
000496-11-7	Indane	88	J	ug/Kg	0	0	1	TIC
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	45	J	ug/Kg	0	0	1	TIC
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	64	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-6(-23)-062306
Lab Sample ID: X3444-14
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 39.00
Result Type: Final
DataFile: VK007525

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
000090-12-0	Naphthalene, 1-methyl-	140	J	ug/Kg	0	0	1	TIC
000091-57-6	Naphthalene, 2-methyl-	96	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	330	J	ug/Kg	0	41	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-7(-19)-062306 Lab Sample ID: X3444-15
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 9.00
Result Type: Final Datafile: BB032037

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	740	3600	10	
108-95-2	Phenol	ND	U	ug/Kg	540	3600	10	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	570	3600	10	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	570	3600	10	
95-48-7	2-Methylphenol	ND	U	ug/Kg	600	3600	10	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	580	3600	10	
98-86-2	Acetophenone	ND	U	ug/Kg	530	3600	10	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	570	3600	10	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	590	3600	10	
67-72-1	Hexachloroethane	ND	U	ug/Kg	610	3600	10	
98-95-3	Nitrobenzene	ND	U	ug/Kg	780	3600	10	
78-59-1	Isophorone	ND	U	ug/Kg	540	3600	10	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	550	3600	10	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	570	3600	10	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	590	3600	10	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	660	3600	10	
91-20-3	Naphthalene	ND	U	ug/Kg	610	3600	10	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	430	3600	10	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	550	3600	10	
105-60-2	Caprolactam	ND	U	ug/Kg	580	3600	10	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	500	3600	10	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	600	3600	10	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	570	3600	10	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	530	3600	10	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	550	9000	10	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	590	3600	10	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	600	3600	10	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	460	9000	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-7(-19)-062306	Lab Sample ID:	X3444-15
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	9.00
Result Type:	Final	DataFile:	BB032037

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	580	3600	10	
208-96-8	Acenaphthylene	ND	U	ug/Kg	580	3600	10	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	510	3600	10	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	470	9000	10	
83-32-9	Acenaphthene	ND	U	ug/Kg	640	3600	10	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	3100	9000	10	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	450	9000	10	
132-64-9	Dibenzofuran	ND	U	ug/Kg	590	3600	10	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	530	3600	10	
84-66-2	Diethylphthalate	ND	U	ug/Kg	620	3600	10	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	570	3600	10	
86-73-7	Fluorene	ND	U	ug/Kg	610	3600	10	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	610	9000	10	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	700	9000	10	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	590	3600	10	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	540	3600	10	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	570	3600	10	
1912-24-9	Atrazine	ND	U	ug/Kg	550	3600	10	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	830	9000	10	
85-01-8	Phenanthrene	2500	J	ug/Kg	570	3600	10	
120-12-7	Anthracene	590	J	ug/Kg	540	3600	10	
86-74-8	Carbazole	ND	U	ug/Kg	550	3600	10	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	550	3600	10	
206-44-0	Fluoranthene	2100	J	ug/Kg	530	3600	10	
129-00-0	Pyrene	2200	J	ug/Kg	640	3600	10	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	580	3600	10	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	610	3600	10	
56-55-3	Benzo(a)anthracene	950	J	ug/Kg	500	3600	10	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-7(-19)-062306

Lab Sample ID: X3444-15

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 9.00

Result Type: Final

DataFile: BB032037

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	940	J	ug/Kg	640	3600	10	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	690	3600	10	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	610	3600	10	
205-99-2	Benzo(b)fluoranthene	870	J	ug/Kg	400	3600	10	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	790	3600	10	
50-32-8	Benzo(a)pyrene	690	J	ug/Kg	570	3600	10	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	460	3600	10	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	450	3600	10	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	590	3600	10	
	ACP3.75	1800	A	ug/Kg	0	0	10	TIC
112-40-3	Dodecane	1100	J	ug/Kg	0	0	10	TIC
629-78-7	Heptadecane	1100	J	ug/Kg	0	0	10	TIC
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl	1100	J	ug/Kg	0	0	10	TIC
629-92-5	Nonadecane	730	J	ug/Kg	0	0	10	TIC
629-62-9	Pentadecane	950	J	ug/Kg	0	0	10	TIC
7098-22-8	Tetratetracontane	1100	J	ug/Kg	0	0	10	TIC
	unknown27.41	810	J	ug/Kg	0	0	10	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-7(-19)-062306 Lab Sample ID: X3444-15
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 9.00
Result Type: Final Datafile: VK007528

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.7	27	1	
74-87-3	Chloromethane	ND	U	ug/Kg	4.6	27	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.5	27	1	
74-83-9	Bromomethane	ND	U	ug/Kg	11	27	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	27	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	6.8	27	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.6	27	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.1	27	1	
67-64-1	Acetone	100	J	ug/Kg	18	140	1	
75-15-0	Carbon Disulfide	19	J	ug/Kg	2.0	27	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.0	27	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.7	27	1	
75-09-2	Methylene Chloride	16	JB	ug/Kg	9.9	27	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.5	27	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	27	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.8	27	1	
78-93-3	2-Butanone	26	J	ug/Kg	15	140	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.4	27	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.8	27	1	
67-66-3	Chloroform	ND	U	ug/Kg	1.9	27	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.3	27	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.3	27	1	
71-43-2	Benzene	1200	E	ug/Kg	2.2	27	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.7	27	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.7	27	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.2	27	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.8	27	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-7(-19)-062306	Lab Sample ID:	X3444-15
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	9.00
Result Type:	Final	DataFile:	VK007528

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	15	J	ug/Kg	2.2	27	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.0	27	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.8	27	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.6	27	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	20	140	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	27	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.2	27	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.0	27	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.0	27	1	
100-41-4	Ethyl Benzene	100		ug/Kg	1.9	27	1	
126777-61-2	m/p-Xylenes	86		ug/Kg	4.7	54	1	
95-47-6	o-Xylene	72		ug/Kg	2.1	27	1	
100-42-5	Styrene	ND	U	ug/Kg	2.5	27	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.7	27	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.3	27	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.7	27	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.0	27	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.0	27	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.1	27	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.1	27	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.7	27	1	
000824-90-8	1-Phenyl-1-butene	52	J	ug/Kg	0	0	1	TIC
000526-73-8	Benzene, 1,2,3-trimethyl-	58	J	ug/Kg	0	0	1	TIC
000090-12-0	Naphthalene, 1-methyl-	79	J	ug/Kg	0	0	1	TIC
000091-57-6	Naphthalene, 2-methyl-	52	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	420	J	ug/Kg	0	27	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306 Lab Sample ID: X3444-16
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 22.00
Result Type: Final Datafile: BB032035

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention	Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	87	420	1		
108-95-2	Phenol	ND	U	ug/Kg	64	420	1		
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	67	420	1		
95-57-8	2-Chlorophenol	ND	U	ug/Kg	68	420	1		
95-48-7	2-Methylphenol	ND	U	ug/Kg	70	420	1		
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	68	420	1		
98-86-2	Acetophenone	ND	U	ug/Kg	62	420	1		
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	67	420	1		
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	70	420	1		
67-72-1	Hexachloroethane	ND	U	ug/Kg	72	420	1		
98-95-3	Nitrobenzene	ND	U	ug/Kg	92	420	1		
78-59-1	Isophorone	ND	U	ug/Kg	64	420	1		
88-75-5	2-Nitrophenol	ND	U	ug/Kg	65	420	1		
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	67	420	1		
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	70	420	1		
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	78	420	1		
91-20-3	Naphthalene	6400	E	ug/Kg	72	420	1		
106-47-8	4-Chloroaniline	ND	U	ug/Kg	50	420	1		
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	65	420	1		
105-60-2	Caprolactam	ND	U	ug/Kg	68	420	1		
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	59	420	1		
91-57-6	2-Methylnaphthalene	580		ug/Kg	71	420	1		
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	68	420	1		
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	62	420	1		
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	65	1100	1		
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	70	420	1		
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	70	420	1		
88-74-4	2-Nitroaniline	ND	U	ug/Kg	54	1100	1		



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306
Lab Sample ID: X3444-16
Test: SVOC-TCL BNA4.3 -20
SDG ID: X3444
Analytical Method: EPA SW-846 8270
% Moisture: 22.00
Result Type: Final
DataFile: BB032035

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	68	420	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	69	420	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	60	420	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	55	1100	1	
83-32-9	Acenaphthene	130	J	ug/Kg	75	420	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	360	1100	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	52	1100	1	
132-64-9	Dibenzofuran	93	J	ug/Kg	70	420	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	62	420	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	73	420	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	67	420	1	
86-73-7	Fluorene	99	J	ug/Kg	71	420	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	72	1100	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	82	1100	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	70	420	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	63	420	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	68	420	1	
1912-24-9	Atrazine	ND	U	ug/Kg	65	420	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	98	1100	1	
85-01-8	Phenanthrene	400	J	ug/Kg	67	420	1	
120-12-7	Anthracene	110	J	ug/Kg	64	420	1	
86-74-8	Carbazole	ND	U	ug/Kg	65	420	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	65	420	1	
206-44-0	Fluoranthene	260	J	ug/Kg	63	420	1	
129-00-0	Pyrene	220	J	ug/Kg	75	420	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	68	420	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	72	420	1	
56-55-3	Benzo(a)anthracene	93	J	ug/Kg	59	420	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306
Lab Sample ID: X3444-16

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 22.00

Result Type: Final

DataFile: BB032035

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	82	J	ug/Kg	76	420	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	81	420	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	72	420	1	
205-99-2	Benzo(b)fluoranthene	87	J	ug/Kg	47	420	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	93	420	1	
50-32-8	Benzo(a)pyrene	70	J	ug/Kg	68	420	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	54	420	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	53	420	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	70	420	1	
40710-42-7	1-Hentetracontanol	220	J	ug/Kg	0	0	1	TIC
	ACP3.75	1700	A	ug/Kg	0	0	1	TIC
526-73-8	Benzene, 1,2,3-trimethyl-	730	J	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	940	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	260	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306 Lab Sample ID: X3444-16
Test: VOC-TCLVOA 4.3-10 SDG ID: X3444
Analytical Method: EPA SW846 8260 % Moisture: 22.00
Result Type: Final Datafile: VK007530

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.4	31	1	
74-87-3	Chloromethane	ND	U	ug/Kg	5.4	31	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.2	31	1	
74-83-9	Bromomethane	ND	U	ug/Kg	13	31	1	
75-00-3	Chloroethane	ND	U	ug/Kg	13	31	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.8	31	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.2	31	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.6	31	1	
67-64-1	Acetone	ND	U	ug/Kg	21	160	1	
75-15-0	Carbon Disulfide	26	J	ug/Kg	2.3	31	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.3	31	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.4	31	1	
75-09-2	Methylene Chloride	43	B	ug/Kg	11	31	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.0	31	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.7	31	1	
110-82-7	Cyclohexane	15	J	ug/Kg	2.0	31	1	
78-93-3	2-Butanone	ND	U	ug/Kg	18	160	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.8	31	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.0	31	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.2	31	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.6	31	1	
108-87-2	Methylcyclohexane	58		ug/Kg	2.6	31	1	
71-43-2	Benzene	1400	E	ug/Kg	2.5	31	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.9	31	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.9	31	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.5	31	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.1	31	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12	160	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-7(-23)-062306	Lab Sample ID:	X3444-16
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3444
Analytical Method:	EPA SW846 8260	% Moisture:	22.00
Result Type:	Final	DataFile:	VK007530

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.5	31	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.3	31	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.1	31	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.8	31	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	23	160	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.4	31	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.5	31	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.6	31	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.3	31	1	
100-41-4	Ethyl Benzene	1100		ug/Kg	2.2	31	1	
126777-61-2	m/p-Xylenes	140		ug/Kg	5.4	63	1	
95-47-6	o-Xylene	310		ug/Kg	2.4	31	1	
100-42-5	Styrene	ND	U	ug/Kg	2.9	31	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.9	31	1	
98-82-8	Isopropylbenzene	290		ug/Kg	2.6	31	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.0	31	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.5	31	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.4	31	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.4	31	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.9	31	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.3	31	1	
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	740	J	ug/Kg	0	0	1	TIC
000526-73-8	Benzene, 1,2,3-trimethyl-	730	J	ug/Kg	0	0	1	TIC
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	830	J	ug/Kg	0	0	1	TIC
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	750	J	ug/Kg	0	0	1	TIC
000496-11-7	Indane	5000	J	ug/Kg	0	0	1	TIC
000090-12-0	Naphthalene, 1-methyl-	1300	J	ug/Kg	0	0	1	TIC
000091-57-6	Naphthalene, 2-methyl-	2800	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306
Lab Sample ID: X3444-16
Test: VOC-TCLVOA 4.3-10
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 22.00
Result Type: Final
DataFile: VK007530

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Unknown8.66	2600	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	6900	J	ug/Kg	0	31	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/23/06
Project ID: River Place #2 Date Received: 06/23/06
Customer Sample No.: BR-7(-23)-062306DL Lab Sample ID: X3444-16DL
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3444
Analytical Method: EPA SW-846 8270 % Moisture: 22.00
Result Type: Final Datafile: BB032051

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	UD	ug/Kg	430	2100	5	DIL
108-95-2	Phenol	ND	UD	ug/Kg	320	2100	5	DIL
111-44-4	bis(2-Chloroethyl)ether	ND	UD	ug/Kg	330	2100	5	DIL
95-57-8	2-Chlorophenol	ND	UD	ug/Kg	340	2100	5	DIL
95-48-7	2-Methylphenol	ND	UD	ug/Kg	350	2100	5	DIL
108-60-1	2,2-oxybis(1-Chloropropane)	ND	UD	ug/Kg	340	2100	5	DIL
98-86-2	Acetophenone	ND	UD	ug/Kg	310	2100	5	DIL
106-44-5	3+4-Methylphenols	ND	UD	ug/Kg	330	2100	5	DIL
621-64-7	N-Nitroso-di-n-propylamine	ND	UD	ug/Kg	350	2100	5	DIL
67-72-1	Hexachloroethane	ND	UD	ug/Kg	360	2100	5	DIL
98-95-3	Nitrobenzene	ND	UD	ug/Kg	460	2100	5	DIL
78-59-1	Isophorone	ND	UD	ug/Kg	320	2100	5	DIL
88-75-5	2-Nitrophenol	ND	UD	ug/Kg	330	2100	5	DIL
105-67-9	2,4-Dimethylphenol	ND	UD	ug/Kg	340	2100	5	DIL
111-91-1	bis(2-Chloroethoxy)methane	ND	UD	ug/Kg	350	2100	5	DIL
120-83-2	2,4-Dichlorophenol	ND	UD	ug/Kg	390	2100	5	DIL
91-20-3	Naphthalene	11000	D	ug/Kg	360	2100	5	DIL
106-47-8	4-Chloroaniline	ND	UD	ug/Kg	250	2100	5	DIL
87-68-3	Hexachlorobutadiene	ND	UD	ug/Kg	330	2100	5	DIL
105-60-2	Caprolactam	ND	UD	ug/Kg	340	2100	5	DIL
59-50-7	4-Chloro-3-methylphenol	ND	UD	ug/Kg	290	2100	5	DIL
91-57-6	2-Methylnaphthalene	690	JD	ug/Kg	350	2100	5	DIL
77-47-4	Hexachlorocyclopentadiene	ND	UD	ug/Kg	340	2100	5	DIL
88-06-2	2,4,6-Trichlorophenol	ND	UD	ug/Kg	310	2100	5	DIL
95-95-4	2,4,5-Trichlorophenol	ND	UD	ug/Kg	320	5300	5	DIL
92-52-4	1,1-Biphenyl	ND	UD	ug/Kg	350	2100	5	DIL
91-58-7	2-Chloronaphthalene	ND	UD	ug/Kg	350	2100	5	DIL
88-74-4	2-Nitroaniline	ND	UD	ug/Kg	270	5300	5	DIL



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/23/06

Project ID: River Place #2

Date Received: 06/23/06

Customer Sample No.: BR-7(-23)-062306DL

Lab Sample ID: X3444-16DL

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3444

Analytical Method: EPA SW-846 8270

% Moisture: 22.00

Result Type: Final

DataFile: BB032051

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	UD	ug/Kg	340	2100	5	DIL
208-96-8	Acenaphthylene	ND	UD	ug/Kg	340	2100	5	DIL
606-20-2	2,6-Dinitrotoluene	ND	UD	ug/Kg	300	2100	5	DIL
99-09-2	3-Nitroaniline	ND	UD	ug/Kg	280	5300	5	DIL
83-32-9	Acenaphthene	ND	UD	ug/Kg	380	2100	5	DIL
51-28-5	2,4-Dinitrophenol	ND	UD	ug/Kg	1800	5300	5	DIL
100-02-7	4-Nitrophenol	ND	UD	ug/Kg	260	5300	5	DIL
132-64-9	Dibenzofuran	ND	UD	ug/Kg	350	2100	5	DIL
121-14-2	2,4-Dinitrotoluene	ND	UD	ug/Kg	310	2100	5	DIL
84-66-2	Diethylphthalate	ND	UD	ug/Kg	370	2100	5	DIL
7005-72-3	4-Chlorophenyl-phenylether	ND	UD	ug/Kg	330	2100	5	DIL
86-73-7	Fluorene	ND	UD	ug/Kg	360	2100	5	DIL
100-01-6	4-Nitroaniline	ND	UD	ug/Kg	360	5300	5	DIL
534-52-1	4,6-Dinitro-2-methylphenol	ND	UD	ug/Kg	410	5300	5	DIL
86-30-6	N-Nitrosodiphenylamine	ND	UD	ug/Kg	350	2100	5	DIL
101-55-3	4-Bromophenyl-phenylether	ND	UD	ug/Kg	320	2100	5	DIL
118-74-1	Hexachlorobenzene	ND	UD	ug/Kg	340	2100	5	DIL
1912-24-9	Atrazine	ND	UD	ug/Kg	320	2100	5	DIL
87-86-5	Pentachlorophenol	ND	UD	ug/Kg	490	5300	5	DIL
85-01-8	Phenanthrene	480	JD	ug/Kg	340	2100	5	DIL
120-12-7	Anthracene	ND	UD	ug/Kg	320	2100	5	DIL
86-74-8	Carbazole	ND	UD	ug/Kg	320	2100	5	DIL
84-74-2	Di-n-butylphthalate	ND	UD	ug/Kg	320	2100	5	DIL
206-44-0	Fluoranthene	ND	UD	ug/Kg	310	2100	5	DIL
129-00-0	Pyrene	ND	UD	ug/Kg	370	2100	5	DIL
85-68-7	Butylbenzylphthalate	ND	UD	ug/Kg	340	2100	5	DIL
91-94-1	3,3-Dichlorobenzidine	ND	UD	ug/Kg	360	2100	5	DIL
56-55-3	Benzo(a)anthracene	ND	UD	ug/Kg	300	2100	5	DIL

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date: 06/23/06

Project ID: River Place #2
Customer Sample No.: BR-7(-23)-062306DL
Test: SVOC-TCL BNA4.3 -20
Analytical Method: EPA SW-846 8270

Collected:
Date Received: 06/23/06
Lab Sample ID: X3444-16DL
SDG ID: X3444
% Moisture: 22.00

Result Type: Final

DataFile: BB032051

CAS Number Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9 Chrysene	ND	UD	ug/Kg	380	2100	5	DIL
117-81-7 bis(2-Ethylhexyl)phthalate	ND	UD	ug/Kg	410	2100	5	DIL
117-84-0 Di-n-octyl phthalate	ND	UD	ug/Kg	360	2100	5	DIL
205-99-2 Benzo(b)fluoranthene	ND	UD	ug/Kg	230	2100	5	DIL
207-08-9 Benzo(k)fluoranthene	ND	UD	ug/Kg	470	2100	5	DIL
50-32-8 Benzo(a)pyrene	ND	UD	ug/Kg	340	2100	5	DIL
193-39-5 Indeno(1,2,3-cd)pyrene	ND	UD	ug/Kg	270	2100	5	DIL
53-70-3 Dibenz(a,h)anthracene	ND	UD	ug/Kg	270	2100	5	DIL
191-24-2 Benzo(g,h,i)perylene	ND	UD	ug/Kg	350	2100	5	DIL



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-19)-062306	Lab Sample ID:	X3444-17
Test:	Corrosivity	SDG ID:	X3444
Analytical Method:	9045 Corrosivity	% Moisture:	33.20
Result Type:	Final	Datafile:	LB09986

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	7.5		pH	0.00	0.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06					
Project ID:	River Place #2	Date Received:	06/23/06					
Customer Sample No.:	BR-COMP(-19)-062306	Lab Sample ID:	X3444-17					
Test:	Flash Point	SDG ID:	X3444					
Analytical Method:	1010 Flashpoint	% Moisture:	33.20					
Result Type:	Final	Datafile:	lb10013					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06

Project ID: River Place #2 **Date Received:** 06/23/06

Customer Sample No.: BR-COMP(-19)-062306 **Lab Sample ID:** X3444-17

Test: Metals Group3 **SDG ID:** X3444

Analytical Method: Sulfur 6020 **% Moisture:** 33.20

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	10800		mg/Kg	14.7	14.7	10	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-19)-062306
Lab Sample ID: X3444-17
Test: PCB
SDG ID: X3444
Analytical Method: EPA SW-846 8082
% Moisture: 33.00
Result Type: Final
Datafile: P5004258

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.7	25	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.8	25	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	8.7	25	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	7.7	25	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.8	25	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.4	25	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	6.2	25	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06

Project ID: River Place #2 **Date Received:** 06/23/06

Customer Sample No.: BR-COMP(-19)-062306 **Lab Sample ID:** X3444-17

Test: Reactive Cyanide **SDG ID:** X3444

Analytical Method: 7.3.3.2 Reactive Cyanide **% Moisture:** 33.20

Result Type: Final **Datafile:** LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-19)-062306	Lab Sample ID:	X3444-17
Test:	Reactive Sulfide	SDG ID:	X3444
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	33.20
Result Type:	Final	Datafile:	LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40	40	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-19)-062306
Lab Sample ID: X3444-18
Test: TCLP Metals Group2
SDG ID: X3444
Analytical Method: EPA SW-846 6010 - ICP1
% Moisture: 100.00
Result Type: Final
Datafile: P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	37.3	J	ug/L	7.230	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.270	50.0	1	
7440-47-3	Chromium	ND	U	ug/L	3.430	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	21.8	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	177	J	ug/L	6.110	200	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-19)-062306
Lab Sample ID: X3444-18
Test: TCLP BNA
SDG ID: X3444
Analytical Method: EPA SW-846 8270
% Moisture: 100.00
Result Type: Final
Datafile: BA025852

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-19)-062306
Lab Sample ID: X3444-18
Test: TCLP Herbicide
SDG ID: X3444
Analytical Method: EPA SW-846 8151
% Moisture: 100.00
Result Type: Final
Datafile: P8001824

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06					
Project ID:	River Place #2	Date Received:	06/23/06					
Customer Sample No.:	BR-COMP(-19)-062306	Lab Sample ID:	X3444-18					
Test:	TCLP Mercury	SDG ID:	X3444					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	062806A					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.33	2	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-19)-062306	Lab Sample ID:	X3444-18
Test:	TCLP Pesticide	SDG ID:	X3444
Analytical Method:	EPA SW-846 8081 With 10 ppb	% Moisture:	100.00
Result Type:	Final	Datafile:	P4005480

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-19)-062306
Lab Sample ID: X3444-18
Test: TCLP VOA
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 100.00
Result Type: Final
Datafile: VD005089

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	53		ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-23)-062306	Lab Sample ID:	X3444-19
Test:	Corrosivity	SDG ID:	X3444
Analytical Method:	9045 Corrosivity	% Moisture:	26.60
Result Type:	Final	Datafile:	LB09986

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.4		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06

Project ID: River Place #2 **Date Received:** 06/23/06

Customer Sample No.: BR-COMP(-23)-062306 **Lab Sample ID:** X3444-19

Test: Flash Point **SDG ID:** X3444

Analytical Method: 1010 Flashpoint **% Moisture:** 26.60

Result Type: Final **Datafile:** lb10013

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06

Project ID: River Place #2 **Date Received:** 06/23/06

Customer Sample No.: BR-COMP(-23)-062306 **Lab Sample ID:** X3444-19

Test: Metals Group3 **SDG ID:** X3444

Analytical Method: Sulfur 6020 **% Moisture:** 26.60

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	6870		mg/Kg	13.5	13.5	10	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-23)-062306
Lab Sample ID: X3444-19
Test: PCB
SDG ID: X3444
Analytical Method: EPA SW-846 8082
% Moisture: 27.00
Result Type: Final
Datafile: P5004259

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.4	23	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.3	23	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	7.9	23	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	7.0	23	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.4	23	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.2	23	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	5.7	23	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-23)-062306	Lab Sample ID:	X3444-19
Test:	Reactive Cyanide	SDG ID:	X3444
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	26.60
Result Type:	Final	Datafile:	LB10001

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10	10	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/23/06

Project ID: River Place #2 **Date Received:** 06/23/06

Customer Sample No.: BR-COMP(-23)-062306 **Lab Sample ID:** X3444-19

Test: Reactive Sulfide **SDG ID:** X3444

Analytical Method: 7.3.4.2 Reactive Sulfide **% Moisture:** 26.60

Result Type: Final **Datafile:** LB10002

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40	40	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-23)-062306
Lab Sample ID: X3444-20
Test: TCLP Metals Group2
SDG ID: X3444
Analytical Method: EPA SW-846 6010 - ICP1
% Moisture: 100.00
Result Type: Final
Datafile: P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	228	J	ug/L	7.230	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.270	50.0	1	
7440-47-3	Chromium	ND	U	ug/L	3.430	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	21.8	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	212		ug/L	6.110	200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-23)-062306	Lab Sample ID:	X3444-20
Test:	TCLP BNA	SDG ID:	X3444
Analytical Method:	EPA SW-846 8270	% Moisture:	100.00
Result Type:	Final	Datafile:	BA025853

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06
Project ID:	River Place #2	Date Received:	06/23/06
Customer Sample No.:	BR-COMP(-23)-062306	Lab Sample ID:	X3444-20
Test:	TCLP Herbicide	SDG ID:	X3444
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001825

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/23/06					
Project ID:	River Place #2	Date Received:	06/23/06					
Customer Sample No.:	BR-COMP(-23)-062306	Lab Sample ID:	X3444-20					
Test:	TCLP Mercury	SDG ID:	X3444					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	062806A					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.33	2	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-23)-062306
Lab Sample ID: X3444-20
Test: TCLP Pesticide
SDG ID: X3444
Analytical Method: EPA SW-846 8081 With 10 ppb
% Moisture: 100.00
Result Type: Final
Datafile: P4005481

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/23/06
Project ID: River Place #2
Date Received: 06/23/06
Customer Sample No.: BR-COMP(-23)-062306
Lab Sample ID: X3444-20
Test: TCLP VOA
SDG ID: X3444
Analytical Method: EPA SW846 8260
% Moisture: 100.00
Result Type: Final
Datafile: VD005090

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	79		ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found In Associated Method Blank

N = Presumptive Evidence of a Compound

Project #: X3444

7/5/2006 12:53:16 PM

End of Report

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.19
Final Wt/Vol: 0.5
Percent Solids 61.1
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-01
Lab File ID: P9002291.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-3(-19)-062306	TPH GC	ND	U	23704.11	ug/Kg

57
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.23
Final Wt/Vol: 0.5
Percent Solids 88.8
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-02
Lab File ID: P9002292.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-3(-23)-062306	TPH GC	ND	U	16267.09	ug/Kg

7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.14
Final Wt/Vol: 0.5
Percent Solids 46.1
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-03
Lab File ID: P9002293.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

Client ID	Parameter	Results	Qual	MDL	Units
FOTR-4(-19)-062306	TPH GC	41800		31520.70	ug/Kg

JJ
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.18
Final Wt/Vol: 0.5
Percent Solids 37.4
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-04
Lab File ID: P9002294.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
FOTR-4(-23)-062306	TPH GC	78300		38750.68	ug/Kg

J
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, Inc
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.34
Final Wt/Vol: 0.5
Percent Solids 57.6
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-05
Lab File ID: P9002295.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-2(-19)-062306	TPH GC	ND	U	24898.59	ug/Kg

7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, Inc
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.21
Final Wt/Vol: 0.5
Percent Solids 62.7
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-06
Lab File ID: P9002296.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-2(-23)-062306	TPH GC	ND	U	23068.85	ug/Kg

JJ
7/3/06

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.16
Final Wt/Vol: 0.5
Percent Solids 84.5
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-07
Lab File ID: P9002297.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-3(-19)-062306	TPH GC	ND	U	17173.81	ug/Kg

JJ
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.41
Final Wt/Vol: 0.5
Percent Solids 88.1
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-08
Lab File ID: P9002298.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-3(-23)-062306	TPH GC	55600		16204.82	ug/Kg

7/7/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.37
Final Wt/Vol: 0.5
Percent Solids 67.4
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-09
Lab File ID: P9002299.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-4(-19)-062306	TPH GC	23600		21236.79	ug/Kg

27
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.29
Final Wt/Vol: 0.5
Percent Solids 76
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-10
Lab File ID: P9002300.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-4(-23)-062306	TPH GC	32000		18932.22	ug/Kg

77
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.2
Final Wt/Vol: 0.5
Percent Solids 58.2
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-11
Lab File ID: P9002304.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-5(-19)-062306	TPH GC	ND	U	24868.87	ug/Kg

JJ
7/3/-6

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.15
Final Wt/Vol: 0.5
Percent Solids 88
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-12
Lab File ID: P9002305.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-5(-23)-062306	TPH GC	ND	U	16501.65	ug/Kg

7/23/06

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.09
Final Wt/Vol: 0.5
Percent Solids 84.7
Dilution Factor: 1

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-13
Lab File ID: P9002306.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-6(-19)-062306	TPH GC	ND	U	17212.74	ug/Kg

TJ
7/3/06

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.11
Final Wt/Vol: 0.5
Percent Solids 60.8
Dilution Factor: 1

PrepBatch: PB20340
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-14
Lab File ID: P9002307.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-6(-23)-062306	TPH GC	ND	U	23947.19	ug/Kg

77
7/3/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.17
Final Wt/Vol: 0.5
Percent Solids 90.6
Dilution Factor: 10

PrepBatch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-15
Lab File ID: P9002374.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-7(-19)-062306	TPH GC	372000		160069.62	ug/Kg

77

7/4/06

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, Inc
Project: River Place #2
Collection Date: 6/23/06
Extraction Date: 6/27/06
Initial Wt/Vol: 15.1
Final Wt/Vol: 0.5
Percent Solids 78.2
Dilution Factor: 1

Prep Batch: PB20430
Matrix Solid
Lab Project: X3444
Lab Sample ID X3444-16
Lab File ID: P9002309.D
Analyst: JJ
Received Date: 06/23/06
Analysis Date: 07/01/06

Client ID	Parameter	Results	Qual	MDL	Units
BR-7(-23)-062306	TPH GC	46000		18631.12	ug/Kg

77
7/3/06

ChemTech



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ChemTech 284 Sheffield St. Montclair, NJ

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 day TAT
 All TATs subject to laboratory approval.
 Min. 24-hour notification needed for rushes.
 Samples disposed of after 60 days unless otherwise instructed.

Report To: Donna Edward Caffery
Lujan Engineering
360 West 31st St. 8th Floor
New York, NY 10001

Project Mgr.: Joel LuderInvoice To: sameProject No.: 5582407Site Name: RPIILocation: 600 West 42nd St. State: NYSampler(s): Donna E. Caffery

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
 O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
 X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preserv	# of VO	# of Am	# of Cle	# of Pla	VOCs	SVOCs	TPH - MRO	TCMP M	Ignition Int	Reactivity	Sulfur	PCBs	Total	TCMP	
1	BR-8(-19)-062606	6/26/06	0930	G	SO	0			2		X	X	X								
2	BR-8(-23)-062606		0940	G	SO	0			2		X	X	X								
3	BR-9(-19)-062606		0950	G	SO	0			2		X	X	X								
4	BR-9(-23)-062606		0955	G	SO	0			2		X	X	X								
5	BR-10(-19)-062606		1050	G	SO	0			2		X	X	X								
6	BR-10(-23)-062606		1055	G	SO	0			2		X	X	X								
7, 8	BR-comp(-19)-062606		1050	C	SO	0			1					X	X	X	X	X	X	X	
9, 10	BR-comp(-23)-062606		1055	C	SO	0			1					X	X	X	X	X	X	X	
11	ECW-1(-19)-062606		1120	G	SO	0			2		X	X	X								
12	ECW-2(-19)-062606		1200	G	SO	0			2		X	X	X								

Were all field QC requirements met as per MADEP CAM Section 2.0?
☐ Yes ☐ No
(Response required for CAM report)

results + QC / EDD excel

☐ Fax results when available to (____)☒ E-mail to dcaffery@lujan.comEDD Format excelCondition upon receipt: ☒ Iced ☐ Ambient ☐ °C 4°C

Relinquished by:

Donna E. Caffery / Lujan

Received by:

Paul Chyzer #21

Date:

6/26/06

Time:

17:13

IMPULSE

20 Zwickl Aly6/26/0617:13



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Page 2 of 2

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 5 DAY TAT
• All TATs subject to laboratory approval.
• Min. 24-hour notification needed for rushes.
• Samples disposed of after 60 days unless otherwise instructed.

P.O. No.: 5582407 RON:

[illegible]

1713



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-8(-19)-062606 Lab Sample ID: X3465-01
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 16.00
Result Type: Final Datafile: BF004538

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	81	390	1	
108-95-2	Phenol	ND	U	ug/Kg	59	390	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	62	390	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	63	390	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	65	390	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	63	390	1	
98-86-2	Acetophenone	ND	U	ug/Kg	57	390	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	62	390	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	65	390	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	67	390	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	86	390	1	
78-59-1	Isophorone	ND	U	ug/Kg	59	390	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	60	390	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	62	390	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	65	390	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	73	390	1	
91-20-3	Naphthalene	ND	U	ug/Kg	67	390	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	47	390	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	60	390	1	
105-60-2	Caprolactam	ND	U	ug/Kg	63	390	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	54	390	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	66	390	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	63	390	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	58	390	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	60	980	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	65	390	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	65	390	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	50	980	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-8(-19)-062606

Lab Sample ID: X3465-01

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 16.00

Result Type: Final

DataFile: BF004538

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	63	390	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	64	390	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	55	390	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	51	980	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	70	390	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	340	980	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	49	980	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	65	390	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	58	390	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	68	390	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	62	390	1	
86-73-7	Fluorene	ND	U	ug/Kg	66	390	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	67	980	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	76	980	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	65	390	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	59	390	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	63	390	1	
1912-24-9	Atrazine	ND	U	ug/Kg	60	390	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	91	980	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	62	390	1	
120-12-7	Anthracene	ND	U	ug/Kg	59	390	1	
86-74-8	Carbazole	ND	U	ug/Kg	60	390	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	60	390	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	58	390	1	
129-00-0	Pyrene	ND	U	ug/Kg	69	390	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	63	390	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	67	390	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	55	390	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-8(-19)-062606

Lab Sample ID: X3465-01

Test: SVOC-TCL BNA4.3 -20.

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 16.00

Result Type: Final

DataFile: BF004538

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	70	390	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	75	390	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	67	390	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	43	390	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	86	390	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	63	390	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	50	390	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	49	390	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	65	390	1	
40710-42-7	1-Hentetracontanol	120	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	410	J	ug/Kg	0	0	1	TIC
74685-30-6	5-Eicosene, (E)-	630	J	ug/Kg	0	0	1	TIC
	ACP3.29	1900	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	440	J	ug/Kg	0	0	1	TIC
483-65-8	Phenanthrene, 1-methyl-7-(1-methyl	600	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-8(-19)-062606
Lab Sample ID: X3465-01
Test: VOC-TCLVOA 4.3-10
SDG ID: X3465
Analytical Method: EPA SW846 8260
% Moisture: 16.00
Result Type: Final
Datafile: VK007667

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.0		29	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.0		29	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.8		29	1
74-83-9	Bromomethane	ND	U	ug/Kg	12		29	1
75-00-3	Chloroethane	ND	U	ug/Kg	12		29	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.3		29	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.9		29	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3		29	1
67-64-1	Acetone	89	JB	ug/Kg	20		150	1
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1		29	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1		29	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.0		29	1
75-09-2	Methylene Chloride	18	J	ug/Kg	11		29	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.7		29	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6		29	1
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9		29	1
78-93-3	2-Butanone	ND	U	ug/Kg	16		150	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6		29	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9		29	1
67-66-3	Chloroform	ND	U	ug/Kg	2.0		29	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4		29	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.5		29	1
71-43-2	Benzene	ND	U	ug/Kg	2.3		29	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8		29	1
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8		29	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3		29	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.0		29	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12		150	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-8(-19)-062606	Lab Sample ID:	X3465-01
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	16.00
Result Type:	Final	DataFile:	VK007667

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.4	29	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	29	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	29	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	29	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	21	150	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	29	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	29	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.3	29	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	29	1	
100-41-4	Ethyl Benzene	9.1	J	ug/Kg	2.1	29	1	
126777-61-2	m/p-Xylenes	10	J	ug/Kg	5.0	58	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	29	1	
100-42-5	Styrene	ND	U	ug/Kg	2.7	29	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	29	1	
98-82-8	Isopropylbenzene	24	J	ug/Kg	2.4	29	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	29	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.3	29	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.3	29	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.5	29	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.0	29	1	
000496-11-7	Indane	340	J	ug/Kg	0	0	1	TIC
91-20-3	Naphthalene	320	J	ug/Kg	0	29	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-8(-23)-062606 Lab Sample ID: X3465-02
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 15.00
Result Type: Final Datafile: BF004539

CAS Number Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7 Benzaldehyde	ND	U	ug/Kg	79	380	1	
108-95-2 Phenol	ND	U	ug/Kg	58	380	1	
111-44-4 bis(2-Chloroethyl)ether	ND	U	ug/Kg	61	380	1	
95-57-8 2-Chlorophenol	ND	U	ug/Kg	61	380	1	
95-48-7 2-Methylphenol	ND	U	ug/Kg	64	380	1	
108-60-1 2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	62	380	1	
98-86-2 Acetophenone	ND	U	ug/Kg	56	380	1	
106-44-5 3+4-Methylphenols	ND	U	ug/Kg	61	380	1	
621-64-7 N-Nitroso-di-n-propylamine	ND	U	ug/Kg	64	380	1	
67-72-1 Hexachloroethane	ND	U	ug/Kg	65	380	1	
98-95-3 Nitrobenzene	ND	U	ug/Kg	84	380	1	
78-59-1 Isophorone	ND	U	ug/Kg	58	380	1	
88-75-5 2-Nitrophenol	ND	U	ug/Kg	59	380	1	
105-67-9 2,4-Dimethylphenol	ND	U	ug/Kg	61	380	1	
111-91-1 bis(2-Chloroethoxy)methane	ND	U	ug/Kg	63	380	1	
120-83-2 2,4-Dichlorophenol	ND	U	ug/Kg	71	380	1	
91-20-3 Naphthalene	ND	U	ug/Kg	66	380	1	
106-47-8 4-Chloroaniline	ND	U	ug/Kg	46	380	1	
87-68-3 Hexachlorobutadiene	ND	U	ug/Kg	59	380	1	
105-60-2 Caprolactam	ND	U	ug/Kg	62	380	1	
59-50-7 4-Chloro-3-methylphenol	ND	U	ug/Kg	53	380	1	
91-57-6 2-Methylnaphthalene	ND	U	ug/Kg	64	380	1	
77-47-4 Hexachlorocyclopentadiene	ND	U	ug/Kg	61	380	1	
88-06-2 2,4,6-Trichlorophenol	ND	U	ug/Kg	57	380	1	
95-95-4 2,4,5-Trichlorophenol	ND	U	ug/Kg	59	970	1	
92-52-4 1,1-Biphenyl	ND	U	ug/Kg	63	380	1	
91-58-7 2-Chloronaphthalene	ND	U	ug/Kg	64	380	1	
88-74-4 2-Nitroaniline	ND	U	ug/Kg	49	970	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-8(-23)-062606

Lab Sample ID: X3465-02

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 15.00

Result Type: Final

DataFile: BF004539

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	62	380	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	62	380	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	54	380	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	50	970	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	69	380	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	330	970	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	48	970	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	64	380	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	57	380	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	66	380	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	61	380	1	
86-73-7	Fluorene	ND	U	ug/Kg	65	380	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	66	970	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	75	970	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	63	380	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	57	380	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	62	380	1	
1912-24-9	Atrazine	ND	U	ug/Kg	59	380	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	89	970	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	61	380	1	
120-12-7	Anthracene	ND	U	ug/Kg	58	380	1	
86-74-8	Carbazole	ND	U	ug/Kg	59	380	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	59	380	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	57	380	1	
129-00-0	Pyrene	ND	U	ug/Kg	68	380	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	62	380	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	66	380	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	54	380	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-8(-23)-062606

Lab Sample ID: X3465-02

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 15.00

Result Type: Final

DataFile: BF004539

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	69	380	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	74	380	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	65	380	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	42	380	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	85	380	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	62	380	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	49	380	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	48	380	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	64	380	1	
18435-45-5	1-Nonadecene	190	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	270	J	ug/Kg	0	0	1	TIC
74685-30-6	5-Eicosene, (E)-	510	J	ug/Kg	0	0	1	TIC
	ACP3.29	1900	AB	ug/Kg	0	0	1	TIC
295-65-8	Cyclohexadecane	120	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	470	J	ug/Kg	0	0	1	TIC
483-65-8	Phenanthrene, 1-methyl-7-(1-methyl	2200	J	ug/Kg	0	0	1	TIC
	unknown10.51	81	J	ug/Kg	0	0	1	TIC
	unknown11.00	120	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-8(-23)-062606 Lab Sample ID: X3465-02
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 15.00
Result Type: Final Datafile: VK007668

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.0	29	1	
74-87-3	Chloromethane	ND	U	ug/Kg	5.0	29	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.8	29	1	
74-83-9	Bromomethane	ND	U	ug/Kg	12	29	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	29	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.3	29	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.9	29	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3	29	1	
67-64-1	Acetone	70	JB	ug/Kg	20	150	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1	29	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	29	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.0	29	1	
75-09-2	Methylene Chloride	25	J	ug/Kg	11	29	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.7	29	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6	29	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9	29	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	150	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6	29	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9	29	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.0	29	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	29	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	29	1	
71-43-2	Benzene	ND	U	ug/Kg	2.3	29	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8	29	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8	29	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3	29	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.0	29	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	150	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-8(-23)-062606	Lab Sample ID:	X3465-02
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	15.00
Result Type:	Final	DataFile:	VK007668

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.4	29	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	29	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	29	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	29	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	21	150	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	29	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	29	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.3	29	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	29	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.1	29	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.0	58	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	29	1	
100-42-5	Styrene	ND	U	ug/Kg	2.7	29	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	29	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4	29	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	29	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	29	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.5	29	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.0	29	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-8(-23)-062606RE

Lab Sample ID: X3465-02RE

Test: VOC-TCLVOA 4.3-10

SDG ID: X3465

Analytical Method: EPA SW846 8260

% Moisture: 15.00

Result Type: Final

Datafile: VK007723

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	4.9	29	1	RE
74-87-3	Chloromethane	ND	U	ug/Kg	4.9	29	1	RE
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.7	29	1	RE
74-83-9	Bromomethane	ND	U	ug/Kg	12	29	1	RE
75-00-3	Chloroethane	ND	U	ug/Kg	12	29	1	RE
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.1	29	1	RE
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.8	29	1	RE
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3	29	1	RE
67-64-1	Acetone	95	JB	ug/Kg	19	140	1	RE
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1	29	1	RE
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	29	1	RE
79-20-9	Methyl Acetate	ND	U	ug/Kg	4.9	29	1	RE
75-09-2	Methylene Chloride	ND	U	ug/Kg	10	29	1	RE
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.6	29	1	RE
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.5	29	1	RE
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9	29	1	RE
78-93-3	2-Butanone	ND	U	ug/Kg	16	140	1	RE
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.5	29	1	RE
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9	29	1	RE
67-66-3	Chloroform	ND	U	ug/Kg	2.0	29	1	RE
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	29	1	RE
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	29	1	RE
71-43-2	Benzene	ND	U	ug/Kg	2.3	29	1	RE
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8	29	1	RE
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8	29	1	RE
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3	29	1	RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	29	1	RE
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	140	1	RE

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-8(-23)-062606RE	Lab Sample ID:	X3465-02RE
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	15.00
Result Type:	Final	DataFile:	VK007723

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.3	29	1	RE
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	29	1	RE
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	29	1	RE
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	29	1	RE
591-78-6	2-Hexanone	ND	U	ug/Kg	21	140	1	RE
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	29	1	RE
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	29	1	RE
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.2	29	1	RE
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	29	1	RE
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.0	29	1	RE
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	4.9	57	1	RE
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	29	1	RE
100-42-5	Styrene	ND	U	ug/Kg	2.6	29	1	RE
75-25-2	Bromoform	ND	U	ug/Kg	1.8	29	1	RE
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4	29	1	RE
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	29	1	RE
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	RE
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.1	29	1	RE
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	29	1	RE
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.4	29	1	RE
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	3.9	29	1	RE



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-9(-19)-062606 Lab Sample ID: X3465-03
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 13.00
Result Type: Final Datafile: BF004541

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	78	380	1	
108-95-2	Phenol	ND	U	ug/Kg	57	380	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	60	380	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	60	380	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	63	380	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	61	380	1	
98-86-2	Acetophenone	ND	U	ug/Kg	55	380	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	60	380	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	63	380	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	64	380	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	82	380	1	
78-59-1	Isophorone	ND	U	ug/Kg	57	380	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	58	380	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	60	380	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	62	380	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	70	380	1	
91-20-3	Naphthalene	ND	U	ug/Kg	64	380	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	45	380	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	58	380	1	
105-60-2	Caprolactam	ND	U	ug/Kg	61	380	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	52	380	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	63	380	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	60	380	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	55	380	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	58	950	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	62	380	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	63	380	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	48	950	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-9(-19)-062606

Lab Sample ID: X3465-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 13.00

Result Type: Final

DataFile: BF004541

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	61	380	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	61	380	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	53	380	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	49	950	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	67	380	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	320	950	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	47	950	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	62	380	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	55	380	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	65	380	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	60	380	1	
86-73-7	Fluorene	ND	U	ug/Kg	64	380	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	64	950	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	73	950	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	62	380	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	56	380	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	60	380	1	
1912-24-9	Atrazine	ND	U	ug/Kg	58	380	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	87	950	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	60	380	1	
120-12-7	Anthracene	ND	U	ug/Kg	57	380	1	
86-74-8	Carbazole	ND	U	ug/Kg	58	380	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	58	380	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	56	380	1	
129-00-0	Pyrene	ND	U	ug/Kg	67	380	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	61	380	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	65	380	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	53	380	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-9(-19)-062606

Lab Sample ID: X3465-03

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 13.00

Result Type: Final

DataFile: BF004541

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	68	380	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	72	380	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	64	380	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	42	380	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	83	380	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	60	380	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	48	380	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	47	380	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	62	380	1	
74685-30-6	5-Eicosene, (E)-	450	J	ug/Kg	0	0	1	TIC
	ACP3.29	1800	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	340	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	300	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-9(-19)-062606 Lab Sample ID: X3465-03
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 13.00
Result Type: Final Datafile: VK007651

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.0	29	1	
74-87-3	Chloromethane	ND	U	ug/Kg	5.0	29	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	4.8	29	1	
74-83-9	Bromomethane	ND	U	ug/Kg	12	29	1	
75-00-3	Chloroethane	ND	U	ug/Kg	12	29	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.2	29	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	3.9	29	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.3	29	1	
67-64-1	Acetone	81	JB	ug/Kg	20	150	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.1	29	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.1	29	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.0	29	1	
75-09-2	Methylene Chloride	39		ug/Kg	11	29	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	3.7	29	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.6	29	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	1.9	29	1	
78-93-3	2-Butanone	ND	U	ug/Kg	16	150	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.6	29	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	1.9	29	1	
67-66-3	Chloroform	ND	U	ug/Kg	2.0	29	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.4	29	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.4	29	1	
71-43-2	Benzene	14	J	ug/Kg	2.3	29	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.8	29	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	1.8	29	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.3	29	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	1.9	29	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	11	150	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-9(-19)-062606	Lab Sample ID:	X3465-03
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	13.00
Result Type:	Final	DataFile:	VK007651

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.4	29	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.1	29	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	1.9	29	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.7	29	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	21	150	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.3	29	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.3	29	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.2	29	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.1	29	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.1	29	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.0	58	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.2	29	1	
100-42-5	Styrene	ND	U	ug/Kg	2.7	29	1	
75-25-2	Bromoform	ND	U	ug/Kg	1.8	29	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.4	29	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	1.8	29	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.2	29	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.2	29	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	5.5	29	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.0	29	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-9(23)-062606	Lab Sample ID:	X3465-04
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	21.00
Result Type:	Final	Datafile:	BF004550

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	85	410	1	
108-95-2	Phenol	ND	U	ug/Kg	63	410	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	66	410	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	66	410	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	69	410	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	67	410	1	
98-86-2	Acetophenone	ND	U	ug/Kg	61	410	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	66	410	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	69	410	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	71	410	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	91	410	1	
78-59-1	Isophorone	ND	U	ug/Kg	62	410	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	64	410	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	66	410	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	68	410	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	77	410	1	
91-20-3	Naphthalene	ND	U	ug/Kg	71	410	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	49	410	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	64	410	1	
105-60-2	Caprolactam	ND	U	ug/Kg	67	410	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	57	410	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	69	410	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	66	410	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	61	410	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	64	1000	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	68	410	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	69	410	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	53	1000	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-9(23)-062606	Lab Sample ID:	X3465-04
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	21.00
Result Type:	Final	DataFile:	BF004550

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	67	410	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	67	410	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	59	410	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	54	1000	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	74	410	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	360	1000	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	51	1000	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	69	410	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	61	410	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	72	410	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	66	410	1	
86-73-7	Fluorene	ND	U	ug/Kg	70	410	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	71	1000	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	81	1000	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	68	410	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	62	410	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	66	410	1	
1912-24-9	Atrazine	ND	U	ug/Kg	64	410	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	96	1000	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	66	410	1	
120-12-7	Anthracene	ND	U	ug/Kg	63	410	1	
86-74-8	Carbazole	ND	U	ug/Kg	63	410	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	63	410	1	
206-44-0	Fluoranthene	68	J	ug/Kg	62	410	1	
129-00-0	Pyrene	ND	U	ug/Kg	73	410	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	67	410	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	71	410	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	58	410	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-9(23)-062606	Lab Sample ID:	X3465-04

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 21.00

Result Type: Final

DataFile: BF004550

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	75	410	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	80	410	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	71	410	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	46	410	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	91	410	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	66	410	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	53	410	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	52	410	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	69	410	1	
74685-30-6	5-Eicosene, (E)-	500	J	ug/Kg	0	0	1	TIC
	ACP3.29	2000	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	370	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	290	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-9(23)-062606 Lab Sample ID: X3465-04
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 21.00
Result Type: Final Datafile: VK007604

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.4		32	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.4		32	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.2		32	1
74-83-9	Bromomethane	ND	U	ug/Kg	13		32	1
75-00-3	Chloroethane	ND	U	ug/Kg	14		32	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.9		32	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.2		32	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.6		32	1
67-64-1	Acetone	82	JB	ug/Kg	21		160	1
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.3		32	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.3		32	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.5		32	1
75-09-2	Methylene Chloride	67	B	ug/Kg	12		32	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.0		32	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.7		32	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.1		32	1
78-93-3	2-Butanone	ND	U	ug/Kg	18		160	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.8		32	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.1		32	1
67-66-3	Chloroform	ND	U	ug/Kg	2.2		32	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.6		32	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.7		32	1
71-43-2	Benzene	ND	U	ug/Kg	2.5		32	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.9		32	1
79-01-6	Trichloroethene	ND	U	ug/Kg	1.9		32	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.5		32	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.1		32	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12		160	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-9(23)-062606	Lab Sample ID:	X3465-04
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	21.00
Result Type:	Final	DataFile:	VK007604

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.6	32	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.3	32	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.1	32	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.9	32	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	23	160	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.5	32	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.5	32	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.6	32	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.3	32	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.2	32	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.5	63	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.4	32	1	
100-42-5	Styrene	ND	U	ug/Kg	2.9	32	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.0	32	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.6	32	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.0	32	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.5	32	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.4	32	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.4	32	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	6.0	32	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.3	32	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: BR-9(23)-062606RE Lab Sample ID: X3465-04RE
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 21.00
Result Type: Final Datafile: VK007724

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.4	32	1	RE
74-87-3	Chloromethane	ND	U	ug/Kg	5.4	32	1	RE
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.2	32	1	RE
74-83-9	Bromomethane	ND	U	ug/Kg	13	32	1	RE
75-00-3	Chloroethane	ND	U	ug/Kg	14	32	1	RE
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	7.9	32	1	RE
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.2	32	1	RE
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.6	32	1	RE
67-64-1	Acetone	110	JB	ug/Kg	21	160	1	RE
75-15-0	Carbon Disulfide	ND	U	ug/Kg	2.3	32	1	RE
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.3	32	1	RE
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.5	32	1	RE
75-09-2	Methylene Chloride	ND	U	ug/Kg	12	32	1	RE
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.0	32	1	RE
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.7	32	1	RE
110-82-7	Cyclohexane	ND	U	ug/Kg	2.1	32	1	RE
78-93-3	2-Butanone	ND	U	ug/Kg	18	160	1	RE
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	2.8	32	1	RE
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.1	32	1	RE
67-66-3	Chloroform	ND	U	ug/Kg	2.2	32	1	RE
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.6	32	1	RE
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.7	32	1	RE
71-43-2	Benzene	13	J	ug/Kg	2.5	32	1	RE
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	1.9	32	1	RE
79-01-6	Trichloroethene	ND	U	ug/Kg	1.9	32	1	RE
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.5	32	1	RE
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.1	32	1	RE
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	12	160	1	RE

Report of Analysis**Client:** Langan Engineering and Environmental Services, Inc**Date Collected:** 06/26/06**Project ID:** River Place #2**Date Received:** 06/26/06**Customer Sample No.:** BR-9(23)-062606RE**Lab Sample ID:** X3465-04RE**Test:** VOC-TCLVOA 4.3-10**SDG ID:** X3465**Analytical Method:** EPA SW846 8260**% Moisture:** 21.00**Result Type:** Final**DataFile:** VK007724

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	2.6	32	1	RE
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.3	32	1	RE
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.1	32	1	RE
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	1.9	32	1	RE
591-78-6	2-Hexanone	ND	U	ug/Kg	23	160	1	RE
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.5	32	1	RE
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.5	32	1	RE
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.6	32	1	RE
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.3	32	1	RE
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.2	32	1	RE
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.5	63	1	RE
95-47-6	o-Xylene	ND	U	ug/Kg	2.4	32	1	RE
100-42-5	Styrene	ND	U	ug/Kg	2.9	32	1	RE
75-25-2	Bromoform	ND	U	ug/Kg	2.0	32	1	RE
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.6	32	1	RE
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.0	32	1	RE
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.5	32	1	RE
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.4	32	1	RE
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.4	32	1	RE
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	6.0	32	1	RE
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.3	32	1	RE



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-19)-062606	Lab Sample ID:	X3465-05
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	44.00
Result Type:	Final	Datafile:	BF004542

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	120	590	1	
108-95-2	Phenol	ND	U	ug/Kg	89	590	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	93	590	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	94	590	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	98	590	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	95	590	1	
98-86-2	Acetophenone	ND	U	ug/Kg	86	590	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	93	590	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	97	590	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	100	590	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	130	590	1	
78-59-1	Isophorone	ND	U	ug/Kg	88	590	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	90	590	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	93	590	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	97	590	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	110	590	1	
91-20-3	Naphthalene	ND	U	ug/Kg	100	590	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	70	590	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	90	590	1	
105-60-2	Caprolactam	ND	U	ug/Kg	95	590	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	81	590	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	98	590	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	94	590	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	86	590	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	90	1500	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	97	590	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	98	590	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	75	1500	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-10(-19)-062606
Lab Sample ID: X3465-05
Test: SVOC-TCL BNA4.3 -20
SDG ID: X3465
Analytical Method: EPA SW-846 8270
% Moisture: 44.00
Result Type: Final
DataFile: BF004542

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	95	590	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	95	590	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	83	590	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	77	1500	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	100	590	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	500	1500	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	73	1500	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	97	590	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	86	590	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	100	590	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	93	590	1	
86-73-7	Fluorene	ND	U	ug/Kg	99	590	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	100	1500	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	110	1500	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	97	590	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	88	590	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	94	590	1	
1912-24-9	Atrazine	ND	U	ug/Kg	90	590	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	140	1500	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	94	590	1	
120-12-7	Anthracene	ND	U	ug/Kg	89	590	1	
86-74-8	Carbazole	ND	U	ug/Kg	90	590	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	90	590	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	87	590	1	
129-00-0	Pyrene	ND	U	ug/Kg	100	590	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	95	590	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	100	590	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	82	590	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-10(-19)-062606
Lab Sample ID: X3465-05

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical EPA SW-846 8270
Method:

% Moisture: 44.00

Result Type: Final

DataFile: BF004542

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	110	590	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	110	590	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	100	590	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	65	590	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	130	590	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	94	590	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	75	590	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	74	590	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	97	590	1	
77899-03-7	1-Heneicosyl formate	940	J	ug/Kg	0	0	1	TIC
	ACP3.29	2900	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	490	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	340	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-19)-062606	Lab Sample ID:	X3465-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	44.00
Result Type:	Final	Datafile:	VK007725

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	7.8		46	1
74-87-3	Chloromethane	ND	U	ug/Kg	7.8		46	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	7.5		46	1
74-83-9	Bromomethane	ND	U	ug/Kg	18		46	1
75-00-3	Chloroethane	ND	U	ug/Kg	19		46	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	11		46	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	6.1		46	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	5.2		46	1
67-64-1	Acetone	160	JB	ug/Kg	31		230	1
75-15-0	Carbon Disulfide	160		ug/Kg	3.4		46	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	3.4		46	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	7.9		46	1
75-09-2	Methylene Chloride	55	B	ug/Kg	17		46	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	5.8		46	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.5		46	1
110-82-7	Cyclohexane	ND	U	ug/Kg	3.0		46	1
78-93-3	2-Butanone	54	J	ug/Kg	26		230	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	4.0		46	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	3.0		46	1
67-66-3	Chloroform	ND	U	ug/Kg	3.2		46	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.8		46	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.8		46	1
71-43-2	Benzene	110		ug/Kg	3.6		46	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.8		46	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.8		46	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.6		46	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	3.1		46	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	18		230	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-19)-062606	Lab Sample ID:	X3465-05
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	44.00
Result Type:	Final	DataFile:	VK007725

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.7		46	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	3.3		46	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	3.0		46	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.7		46	1
591-78-6	2-Hexanone	ND	U	ug/Kg	33		230	1
124-48-1	Dibromochloromethane	ND	U	ug/Kg	2.1		46	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.7		46	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	6.7		46	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	3.3		46	1
100-41-4	Ethyl Benzene	ND	U	ug/Kg	3.2		46	1
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	7.9		91	1
95-47-6	o-Xylene	ND	U	ug/Kg	3.5		46	1
100-42-5	Styrene	ND	U	ug/Kg	4.2		46	1
75-25-2	Bromoform	ND	U	ug/Kg	2.8		46	1
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.8		46	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.8		46	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	5.1		46	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	5.0		46	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.5		46	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	8.6		46	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	6.2		46	1



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-23)-062606	Lab Sample ID:	X3465-06
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	36.00
Result Type:	Final	Datafile:	BF004549

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	510	1	
108-95-2	Phenol	ND	U	ug/Kg	78	510	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	81	510	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	82	510	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	86	510	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	83	510	1	
98-86-2	Acetophenone	ND	U	ug/Kg	75	510	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	81	510	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	85	510	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	87	510	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	510	1	
78-59-1	Isophorone	ND	U	ug/Kg	77	510	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	79	510	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	82	510	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	85	510	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	95	510	1	
91-20-3	Naphthalene	ND	U	ug/Kg	88	510	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	61	510	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	79	510	1	
105-60-2	Caprolactam	ND	U	ug/Kg	83	510	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	71	510	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	86	510	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	82	510	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	76	510	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	79	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	85	510	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	85	510	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	65	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-10(-23)-062606

Lab Sample ID: X3465-06

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

DataFile: 8F004549

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	83	510	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	84	510	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	73	510	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	67	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	92	510	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	440	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	64	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	85	510	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	76	510	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	89	510	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	81	510	1	
86-73-7	Fluorene	ND	U	ug/Kg	87	510	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	88	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	85	510	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	77	510	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	82	510	1	
1912-24-9	Atrazine	ND	U	ug/Kg	79	510	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	82	510	1	
120-12-7	Anthracene	ND	U	ug/Kg	78	510	1	
86-74-8	Carbazole	ND	U	ug/Kg	79	510	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	78	510	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	77	510	1	
129-00-0	Pyrene	ND	U	ug/Kg	91	510	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	83	510	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	88	510	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	72	510	1	

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: BR-10(-23)-062606

Lab Sample ID: X3465-06

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 36.00

Result Type: Final

DataFile: BF004549

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	92	510	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	99	510	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	88	510	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	57	510	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	510	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	82	510	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	65	510	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	65	510	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	85	510	1	
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	210	J	ug/Kg	0	0	1	TIC
74685-30-6	5-Eicosene, (E)-	740	J	ug/Kg	0	0	1	TIC
	ACP3.29	2500	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	390	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-23)-062606	Lab Sample ID:	X3465-06
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	36.00
Result Type:	Final	Datafile:	VK007726

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.6		39	1
74-87-3	Chloromethane	ND	U	ug/Kg	6.6		39	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.4		39	1
74-83-9	Bromomethane	ND	U	ug/Kg	16		39	1
75-00-3	Chloroethane	ND	U	ug/Kg	16		39	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.6		39	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.1		39	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.4		39	1
67-64-1	Acetone	190	JB	ug/Kg	26		190	1
75-15-0	Carbon Disulfide	82		ug/Kg	2.8		39	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.8		39	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.7		39	1
75-09-2	Methylene Chloride	57	B	ug/Kg	14		39	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.9		39	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.1		39	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.5		39	1
78-93-3	2-Butanone	57	J	ug/Kg	22		190	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.4		39	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.5		39	1
67-66-3	Chloroform	ND	U	ug/Kg	2.7		39	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.2		39	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.2		39	1
71-43-2	Benzene	12	J	ug/Kg	3.1		39	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.4		39	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.4		39	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.1		39	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.6		39	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15		190	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-10(-23)-062606	Lab Sample ID:	X3465-06
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	36.00
Result Type:	Final	DataFile:	VK007726

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	20	J	ug/Kg	3.1	39	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.8	39	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.6	39	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.3	39	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	28	190	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.8	39	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.1	39	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.6	39	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.8	39	1	
100-41-4	Ethyl Benzene	20	J	ug/Kg	2.7	39	1	
126777-61-2	m/p-Xylenes	36	J	ug/Kg	6.7	77	1	
95-47-6	o-Xylene	33	J	ug/Kg	3.0	39	1	
100-42-5	Styrene	ND	U	ug/Kg	3.6	39	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.4	39	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.2	39	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.4	39	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.3	39	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.2	39	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	3.0	39	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.3	39	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.3	39	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-07					
Test:	Corrosivity	SDG ID:	X3465					
Analytical Method:	9045 Corrosivity	% Moisture:	18.10					
Result Type:	Final	Datafile:	LB10025					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.30		pH	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06

Project ID: River Place #2 **Date Received:** 06/26/06

Customer Sample No.: BR-COMP(-19)-062606 **Lab Sample ID:** X3465-07

Test: Flash Point **SDG ID:** X3465

Analytical Method: 1010 Flashpoint **% Moisture:** 18.10

Result Type: Final **Datafile:** lb10013

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06

Project ID: River Place #2 **Date Received:** 06/26/06

Customer Sample No.: BR-COMP(-19)-062606 **Lab Sample ID:** X3465-07

Test: Metals Group3 **SDG ID:** X3465

Analytical Method: Sulfur 6020 **% Moisture:** 18.10

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	200.0	JD	mg/Kg	12.0	12.0	10	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-COMP(-19)-062606
Lab Sample ID: X3465-07
Test: PCB
SDG ID: X3465
Analytical Method: EPA SW-846 8082
% Moisture: 18.00
Result Type: Final
Datafile: P5004371

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.0	20	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	4.7	20	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	7.0	20	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	6.2	20	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.0	20	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.0	20	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	5.0	20	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-07
Test:	Reactive Cyanide	SDG ID:	X3465
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	18.10
Result Type:	Final	Datafile:	LB30010

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-07
Test:	Reactive Sulfide	SDG ID:	X3465
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	18.10
Result Type:	Final	Datafile:	LB30011

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-COMP(-19)-062606
Lab Sample ID: X3465-08
Test: TCLP Metals Group2
SDG ID: X3465
Analytical Method: EPA SW-846 6010 - ICP1
% Moisture: 100.00
Result Type: Final
Datafile: P1062906

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	252	J	ug/L	7.230	2000	1	
7440-43-9	Cadmium	3.600	J	ug/L	3.270	50.0	1	
7440-47-3	Chromium	10.9	J	ug/L	3.430	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	21.8	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	181	J	ug/L	6.110	200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-08
Test:	TCLP BNA	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	100.00
Result Type:	Final	Datafile:	BE032102

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-08
Test:	TCLP Herbicide	SDG ID:	X3465
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001915

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-08					
Test:	TCLP Mercury	SDG ID:	X3465					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	063006B					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.3300	2	1	



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Report of Analysis

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Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-08
Test:	TCLP Pesticide	SDG ID:	X3465
Analytical Method:	EPA SW-846 8081	% Moisture:	100.00
Result Type:	Final	Datafile:	P7004622

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-19)-062606	Lab Sample ID:	X3465-08
Test:	TCLP VOA	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	100.00
Result Type:	Final	Datafile:	VI006196

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	ND	U	ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-09
Test:	Corrosivity	SDG ID:	X3465
Analytical Method:	9045 Corrosivity	% Moisture:	30.80
Result Type:	Final	Datafile:	LB10025

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.40		pH	0.00	0.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-09					
Test:	Flash Point	SDG ID:	X3465					
Analytical Method:	1010 Flashpoint	% Moisture:	30.80					
Result Type:	Final	Datafile:	lb10013					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06

Project ID: River Place #2 **Date Received:** 06/26/06

Customer Sample No.: BR-COMP(-23)-062606 **Lab Sample ID:** X3465-09

Test: Metals Group3 **SDG ID:** X3465

Analytical Method: Sulfur 6020 **% Moisture:** 30.80

Result Type: Final **Datafile:** P1062806

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	4100		mg/Kg	14.4	14.4	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-09
Test:	PCB	SDG ID:	X3465
Analytical Method:	EPA SW-846 8082	% Moisture:	31.00
Result Type:	Final	Datafile:	P5004372

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.7	25	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.7	25	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	8.5	25	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	7.6	25	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.7	25	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.4	25	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	6.1	25	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-09
Test:	Reactive Cyanide	SDG ID:	X3465
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	30.80
Result Type:	Final	Datafile:	LB30010

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-09
Test:	Reactive Sulfide	SDG ID:	X3465
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	30.80
Result Type:	Final	Datafile:	LB30011

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-COMP(-23)-062606
Lab Sample ID: X3465-10
Test: TCLP Metals Group2
SDG ID: X3465
Analytical Method: EPA SW-846 6010 - ICP1
% Moisture: 100.00
Result Type: Final
Datafile: P1062906

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	245	J	ug/L	7.230	2000	1	
7440-43-9	Cadmium	ND	U	ug/L	3.270	50.0	1	
7440-47-3	Chromium	13.1	J	ug/L	3.430	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	21.8	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	23.1	J	ug/L	16.4	100	1	
7440-66-6	Zinc	178	J	ug/L	6.110	200	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-10
Test:	TCLP BNA	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	100.00
Result Type:	Final	Datafile:	BE032105

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-COMP(-23)-062606
Lab Sample ID: X3465-10
Test: TCLP Herbicide
SDG ID: X3465
Analytical Method: EPA SW-846 8151
% Moisture: 100.00
Result Type: Final
Datafile: P8001916

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06

Project ID: River Place #2 **Date Received:** 06/26/06

Customer Sample No.: BR-COMP(-23)-062606 **Lab Sample ID:** X3465-10

Test: TCLP Mercury **SDG ID:** X3465

Analytical Method: EPA SW-846 7470 - HG **% Moisture:** 100.00

Result Type: Final **Datafile:** 063006B

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.3300	2	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	BR-COMP(-23)-062606	Lab Sample ID:	X3465-10
Test:	TCLP Pesticide	SDG ID:	X3465
Analytical Method:	EPA SW-846 8081	% Moisture:	100.00
Result Type:	Final	Datafile:	P7004623

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: BR-COMP(-23)-062606
Lab Sample ID: X3465-10
Test: TCLP VOA
SDG ID: X3465
Analytical Method: EPA SW846 8260
% Moisture: 100.00
Result Type: Final
Datafile: VI006197

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	5.0	J	ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-1(-19)-062606 Lab Sample ID: X3465-11
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 35.00
Result Type: Final Datafile: BF004543

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	100	510	1	
108-95-2	Phenol	ND	U	ug/Kg	77	510	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	80	510	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	81	510	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	84	510	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	82	510	1	
98-86-2	Acetophenone	ND	U	ug/Kg	74	510	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	80	510	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	84	510	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	86	510	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	510	1	
78-59-1	Isophorone	ND	U	ug/Kg	76	510	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	78	510	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	80	510	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	83	510	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	94	510	1	
91-20-3	Naphthalene	ND	U	ug/Kg	87	510	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	60	510	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	78	510	1	
105-60-2	Caprolactam	ND	U	ug/Kg	81	510	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	70	510	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	85	510	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	81	510	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	74	510	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	77	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	83	510	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	84	510	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	64	1300	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: ECW-1(-19)-062606

Lab Sample ID: X3465-11

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 35.00

Result Type: Final

DataFile: BF004543

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	81	510	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	82	510	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	72	510	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	66	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	90	510	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	430	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	63	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	84	510	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	74	510	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	87	510	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	80	510	1	
86-73-7	Fluorene	ND	U	ug/Kg	85	510	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	87	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	98	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	83	510	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	76	510	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	81	510	1	
1912-24-9	Atrazine	ND	U	ug/Kg	78	510	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	81	510	1	
120-12-7	Anthracene	ND	U	ug/Kg	76	510	1	
86-74-8	Carbazole	ND	U	ug/Kg	77	510	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	77	510	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	75	510	1	
129-00-0	Pyrene	ND	U	ug/Kg	90	510	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	82	510	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	87	510	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	71	510	1	

CHEMTECH

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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: ECW-1(-19)-062606

Lab Sample ID: X3465-11

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 35.00

Result Type: Final

DataFile: BF004543

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	91	510	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	97	510	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	86	510	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	56	510	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	510	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	81	510	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	64	510	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	64	510	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	84	510	1	
1599-67-3	1-Docosene	820	J	ug/Kg	0	0	1	TIC
1454-85-9	1-Heptadecanol	180	J	ug/Kg	0	0	1	TIC
	ACP3.29	2500	AB	ug/Kg	0	0	1	TIC
2136-71-2	Ethanol, 2-(hexadecyloxy)-	140	J	ug/Kg	0	0	1	TIC
2416-20-8	Hexadecenoic acid, Z-11-	130	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	780	J	ug/Kg	0	0	1	TIC
7683-64-9	Squalene	760	J	ug/Kg	0	0	1	TIC
	unknown11.00	140	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-1(-19)-062606 Lab Sample ID: X3465-11
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 35.00
Result Type: Final Datafile: VK007727

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	6.5		38	1
74-87-3	Chloromethane	ND	U	ug/Kg	6.4		38	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	6.2		38	1
74-83-9	Bromomethane	ND	U	ug/Kg	15		38	1
75-00-3	Chloroethane	ND	U	ug/Kg	16		38	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	9.4		38	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	5.0		38	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	4.3		38	1
67-64-1	Acetone	150	JB	ug/Kg	25		190	1
75-15-0	Carbon Disulfide	78		ug/Kg	2.8		38	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.8		38	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	6.5		38	1
75-09-2	Methylene Chloride	48	B	ug/Kg	14		38	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.8		38	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	2.0		38	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.4		38	1
78-93-3	2-Butanone	45	J	ug/Kg	21		190	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.3		38	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.5		38	1
67-66-3	Chloroform	ND	U	ug/Kg	2.6		38	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	3.2		38	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	3.2		38	1
71-43-2	Benzene	8.7	J	ug/Kg	3.0		38	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.3		38	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.3		38	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	3.0		38	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.5		38	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	15		190	1

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-1(-19)-062606	Lab Sample ID:	X3465-11
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260	% Moisture:	35.00
Result Type:	Final	DataFile:	VK007727

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	3.1	38	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.7	38	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.5	38	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.2	38	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	27	190	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.7	38	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	3.0	38	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	5.5	38	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.7	38	1	
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.7	38	1	
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	6.5	75	1	
95-47-6	o-Xylene	ND	U	ug/Kg	2.9	38	1	
100-42-5	Styrene	ND	U	ug/Kg	3.5	38	1	
75-25-2	Bromoform	ND	U	ug/Kg	2.3	38	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	3.1	38	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.3	38	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	4.2	38	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	4.1	38	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.9	38	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	7.1	38	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	5.2	38	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-2(-19)-062606 Lab Sample ID: X3465-12
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 37.00
Result Type: Final Datafile: BF004540

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	110	520	1	
108-95-2	Phenol	ND	U	ug/Kg	79	520	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	82	520	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	83	520	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	87	520	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	84	520	1	
98-86-2	Acetophenone	ND	U	ug/Kg	76	520	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	82	520	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	86	520	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	89	520	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	110	520	1	
78-59-1	Isophorone	ND	U	ug/Kg	78	520	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	80	520	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	83	520	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	86	520	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	96	520	1	
91-20-3	Naphthalene	ND	U	ug/Kg	89	520	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	62	520	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	80	520	1	
105-60-2	Caprolactam	ND	U	ug/Kg	84	520	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	72	520	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	87	520	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	83	520	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	77	520	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	80	1300	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	86	520	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	87	520	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	66	1300	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-2(-19)-062606	Lab Sample ID:	X3465-12
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	37.00
Result Type:	Final	DataFile:	BF004540

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	84	520	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	85	520	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	74	520	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	68	1300	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	93	520	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	450	1300	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	65	1300	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	86	520	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	77	520	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	90	520	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	82	520	1	
86-73-7	Fluorene	ND	U	ug/Kg	88	520	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	89	1300	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	100	1300	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	86	520	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	78	520	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	83	520	1	
1912-24-9	Atrazine	ND	U	ug/Kg	80	520	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	120	1300	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	83	520	1	
120-12-7	Anthracene	ND	U	ug/Kg	79	520	1	
86-74-8	Carbazole	ND	U	ug/Kg	80	520	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	79	520	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	78	520	1	
129-00-0	Pyrene	ND	U	ug/Kg	92	520	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	84	520	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	89	520	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	73	520	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-2(-19)-062606	Lab Sample ID:	X3465-12

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 37.00

Result Type: Final

DataFile: BF004540

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	94	520	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	100	520	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	89	520	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	57	520	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	110	520	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	83	520	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	66	520	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	65	520	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	86	520	1	
95008-11-0	10-Heneicosene (c,t)	890	J	ug/Kg	0	0	1	TIC
593-50-0	1-Triacontanol	140	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene, ACP3.29	690	J	ug/Kg	0	0	1	TIC
		2600	AB	ug/Kg	0	0	1	TIC
100-41-4	Ethylbenzene	700	J	ug/Kg	0	0	1	TIC
95-13-6	Indene	400	J	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	680	J	ug/Kg	0	0	1	TIC
57-11-4	Octadecanoic acid	110	J	ug/Kg	0	0	1	TIC
123-95-5	Octadecanoic acid, butyl ester	110	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-2(-19)-062606 Lab Sample ID: X3465-12
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 - MED % Moisture: 37.00
Result Type: Final Datafile: VD005200

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	66	990	1	
74-87-3	Chloromethane	450	J	ug/Kg	140	990	1	
75-01-4	Vinyl Chloride	ND	U	ug/Kg	53	990	1	
74-83-9	Bromomethane	680	J	ug/Kg	160	990	1	
75-00-3	Chloroethane	ND	U	ug/Kg	180	990	1	
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	110	990	1	
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	140	990	1	
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	64	990	1	
67-64-1	Acetone	1600	J	ug/Kg	660	5000	1	
75-15-0	Carbon Disulfide	ND	U	ug/Kg	77	990	1	
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	71	990	1	
79-20-9	Methyl Acetate	ND	U	ug/Kg	160	990	1	
75-09-2	Methylene Chloride	ND	U	ug/Kg	120	990	1	
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	100	990	1	
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	43	990	1	
110-82-7	Cyclohexane	ND	U	ug/Kg	73	990	1	
78-93-3	2-Butanone	ND	U	ug/Kg	560	5000	1	
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	93	990	1	
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	150	990	1	
67-66-3	Chloroform	ND	U	ug/Kg	110	990	1	
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	81	990	1	
108-87-2	Methylcyclohexane	ND	U	ug/Kg	120	990	1	
71-43-2	Benzene	29000		ug/Kg	48	990	1	
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	63	990	1	
79-01-6	Trichloroethene	ND	U	ug/Kg	130	990	1	
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	63	990	1	
75-27-4	Bromodichloromethane	ND	U	ug/Kg	69	990	1	
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	260	5000	1	

Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-2(-19)-062606	Lab Sample ID:	X3465-12
Test:	VOC-TCLVOA 4.3-10	SDG ID:	X3465
Analytical Method:	EPA SW846 8260 - MED	% Moisture:	37.00
Result Type:	Final	DataFile:	VD005200

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	77	990	1	
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	84	990	1	
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	30	990	1	
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	100	990	1	
591-78-6	2-Hexanone	ND	U	ug/Kg	130	5000	1	
124-48-1	Dibromochloromethane	ND	U	ug/Kg	75	990	1	
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	130	990	1	
127-18-4	Tetrachloroethene	ND	U	ug/Kg	65	990	1	
108-90-7	Chlorobenzene	ND	U	ug/Kg	73	990	1	
100-41-4	Ethyl Benzene	5100		ug/Kg	81	990	1	
126777-61-2	m/p-Xylenes	2800		ug/Kg	190	2000	1	
95-47-6	o-Xylene	1100		ug/Kg	73	990	1	
100-42-5	Styrene	ND	U	ug/Kg	68	990	1	
75-25-2	Bromoform	ND	U	ug/Kg	50	990	1	
98-82-8	Isopropylbenzene	ND	U	ug/Kg	66	990	1	
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	98	990	1	
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	74	990	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	77	990	1	
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	73	990	1	
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	190	990	1	
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	57	990	1	
000095-13-6	Indene	1400	J	ug/Kg	0	0	1	TIC
	Unknown12.03	1100	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-3(-19)-062606 Lab Sample ID: X3465-13
Test: SVOC-TCL BNA4.3 -20 SDG ID: X3465
Analytical Method: EPA SW-846 8270 % Moisture: 26.00
Result Type: Final Datafile: BF004544

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
100-52-7	Benzaldehyde	ND	U	ug/Kg	91	440	1	
108-95-2	Phenol	ND	U	ug/Kg	67	440	1	
111-44-4	bis(2-Chloroethyl)ether	ND	U	ug/Kg	70	440	1	
95-57-8	2-Chlorophenol	ND	U	ug/Kg	71	440	1	
95-48-7	2-Methylphenol	ND	U	ug/Kg	74	440	1	
108-60-1	2,2-oxybis(1-Chloropropane)	ND	U	ug/Kg	72	440	1	
98-86-2	Acetophenone	ND	U	ug/Kg	65	440	1	
106-44-5	3+4-Methylphenols	ND	U	ug/Kg	70	440	1	
621-64-7	N-Nitroso-di-n-propylamine	ND	U	ug/Kg	74	440	1	
67-72-1	Hexachloroethane	ND	U	ug/Kg	76	440	1	
98-95-3	Nitrobenzene	ND	U	ug/Kg	97	440	1	
78-59-1	Isophorone	ND	U	ug/Kg	67	440	1	
88-75-5	2-Nitrophenol	ND	U	ug/Kg	68	440	1	
105-67-9	2,4-Dimethylphenol	ND	U	ug/Kg	71	440	1	
111-91-1	bis(2-Chloroethoxy)methane	ND	U	ug/Kg	73	440	1	
120-83-2	2,4-Dichlorophenol	ND	U	ug/Kg	82	440	1	
91-20-3	Naphthalene	ND	U	ug/Kg	76	440	1	
106-47-8	4-Chloroaniline	ND	U	ug/Kg	53	440	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/Kg	68	440	1	
105-60-2	Caprolactam	ND	U	ug/Kg	72	440	1	
59-50-7	4-Chloro-3-methylphenol	ND	U	ug/Kg	61	440	1	
91-57-6	2-Methylnaphthalene	ND	U	ug/Kg	74	440	1	
77-47-4	Hexachlorocyclopentadiene	ND	U	ug/Kg	71	440	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/Kg	65	440	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/Kg	68	1100	1	
92-52-4	1,1-Biphenyl	ND	U	ug/Kg	73	440	1	
91-58-7	2-Chloronaphthalene	ND	U	ug/Kg	74	440	1	
88-74-4	2-Nitroaniline	ND	U	ug/Kg	56	1100	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-3(-19)-062606	Lab Sample ID:	X3465-13
Test:	SVOC-TCL BNA4.3 -20	SDG ID:	X3465
Analytical Method:	EPA SW-846 8270	% Moisture:	26.00
Result Type:	Final	DataFile:	BF004544

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
131-11-3	Dimethylphthalate	ND	U	ug/Kg	72	440	1	
208-96-8	Acenaphthylene	ND	U	ug/Kg	72	440	1	
606-20-2	2,6-Dinitrotoluene	ND	U	ug/Kg	63	440	1	
99-09-2	3-Nitroaniline	ND	U	ug/Kg	58	1100	1	
83-32-9	Acenaphthene	ND	U	ug/Kg	79	440	1	
51-28-5	2,4-Dinitrophenol	ND	U	ug/Kg	380	1100	1	
100-02-7	4-Nitrophenol	ND	U	ug/Kg	55	1100	1	
132-64-9	Dibenzofuran	ND	U	ug/Kg	74	440	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/Kg	65	440	1	
84-66-2	Diethylphthalate	ND	U	ug/Kg	77	440	1	
7005-72-3	4-Chlorophenyl-phenylether	ND	U	ug/Kg	70	440	1	
86-73-7	Fluorene	ND	U	ug/Kg	75	440	1	
100-01-6	4-Nitroaniline	ND	U	ug/Kg	76	1100	1	
534-52-1	4,6-Dinitro-2-methylphenol	ND	U	ug/Kg	86	1100	1	
86-30-6	N-Nitrosodiphenylamine	ND	U	ug/Kg	73	440	1	
101-55-3	4-Bromophenyl-phenylether	ND	U	ug/Kg	66	440	1	
118-74-1	Hexachlorobenzene	ND	U	ug/Kg	71	440	1	
1912-24-9	Atrazine	ND	U	ug/Kg	68	440	1	
87-86-5	Pentachlorophenol	ND	U	ug/Kg	100	1100	1	
85-01-8	Phenanthrene	ND	U	ug/Kg	71	440	1	
120-12-7	Anthracene	ND	U	ug/Kg	67	440	1	
86-74-8	Carbazole	ND	U	ug/Kg	68	440	1	
84-74-2	Di-n-butylphthalate	ND	U	ug/Kg	68	440	1	
206-44-0	Fluoranthene	ND	U	ug/Kg	66	440	1	
129-00-0	Pyrene	ND	U	ug/Kg	79	440	1	
85-68-7	Butylbenzylphthalate	ND	U	ug/Kg	72	440	1	
91-94-1	3,3-Dichlorobenzidine	ND	U	ug/Kg	76	440	1	
56-55-3	Benzo(a)anthracene	ND	U	ug/Kg	62	440	1	

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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-3(-19)-062606	Lab Sample ID:	X3465-13

Test: SVOC-TCL BNA4.3 -20

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 26.00

Result Type: Final

DataFile: BF004544

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
218-01-9	Chrysene	ND	U	ug/Kg	80	440	1	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	U	ug/Kg	85	440	1	
117-84-0	Di-n-octyl phthalate	ND	U	ug/Kg	76	440	1	
205-99-2	Benzo(b)fluoranthene	ND	U	ug/Kg	49	440	1	
207-08-9	Benzo(k)fluoranthene	ND	U	ug/Kg	98	440	1	
50-32-8	Benzo(a)pyrene	ND	U	ug/Kg	71	440	1	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	U	ug/Kg	56	440	1	
53-70-3	Dibenz(a,h)anthracene	ND	U	ug/Kg	56	440	1	
191-24-2	Benzo(g,h,i)perylene	ND	U	ug/Kg	74	440	1	
18435-45-5	1-Nonadecene	770	J	ug/Kg	0	0	1	TIC
111-02-4	2,6,10,14,18,22-Tetracosahexaene,	410	J	ug/Kg	0	0	1	TIC
	ACP3.29	2100	AB	ug/Kg	0	0	1	TIC
57-10-3	n-Hexadecanoic acid	580	J	ug/Kg	0	0	1	TIC
557-61-9	Octacosanol	100	J	ug/Kg	0	0	1	TIC



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-3(-19)-062606 Lab Sample ID: X3465-13
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 % Moisture: 26.00
Result Type: Final Datafile: VK007728

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	5.8		34	1
74-87-3	Chloromethane	ND	U	ug/Kg	5.8		34	1
75-01-4	Vinyl Chloride	ND	U	ug/Kg	5.6		34	1
74-83-9	Bromomethane	ND	U	ug/Kg	14		34	1
75-00-3	Chloroethane	ND	U	ug/Kg	14		34	1
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	8.4		34	1
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	4.5		34	1
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	3.9		34	1
67-64-1	Acetone	150	JB	ug/Kg	23		170	1
75-15-0	Carbon Disulfide	48		ug/Kg	2.5		34	1
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	2.5		34	1
79-20-9	Methyl Acetate	ND	U	ug/Kg	5.8		34	1
75-09-2	Methylene Chloride	44	B	ug/Kg	12		34	1
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	4.3		34	1
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	1.8		34	1
110-82-7	Cyclohexane	ND	U	ug/Kg	2.2		34	1
78-93-3	2-Butanone	48	J	ug/Kg	19		170	1
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	3.0		34	1
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	2.2		34	1
67-66-3	Chloroform	ND	U	ug/Kg	2.4		34	1
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	2.8		34	1
108-87-2	Methylcyclohexane	ND	U	ug/Kg	2.8		34	1
71-43-2	Benzene	2000	E	ug/Kg	2.7		34	1
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	2.1		34	1
79-01-6	Trichloroethene	ND	U	ug/Kg	2.1		34	1
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	2.7		34	1
75-27-4	Bromodichloromethane	ND	U	ug/Kg	2.3		34	1
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	13		170	1

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06
Project ID: River Place #2 **Date Received:** 06/26/06
Customer Sample No.: ECW-3(-19)-062606 **Lab Sample ID:** X3465-13
Test: VOC-TCLVOA 4.3-10 **SDG ID:** X3465
Analytical Method: EPA SW846 8260 **% Moisture:** 26.00
Result Type: Final **DataFile:** VK007728

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	21	J	ug/Kg	2.7		34	1
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	2.5		34	1
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	2.2		34	1
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	2.0		34	1
591-78-6	2-Hexanone	ND	U	ug/Kg	24		170	1
124-48-1	Dibromochloromethane	ND	U	ug/Kg	1.6		34	1
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	2.7		34	1
127-18-4	Tetrachloroethene	ND	U	ug/Kg	4.9		34	1
108-90-7	Chlorobenzene	ND	U	ug/Kg	2.4		34	1
100-41-4	Ethyl Benzene	ND	U	ug/Kg	2.4		34	1
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	5.8		68	1
95-47-6	o-Xylene	ND	U	ug/Kg	2.6		34	1
100-42-5	Styrene	ND	U	ug/Kg	3.1		34	1
75-25-2	Bromoform	ND	U	ug/Kg	2.1		34	1
98-82-8	Isopropylbenzene	ND	U	ug/Kg	2.8		34	1
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	2.1		34	1
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	3.8		34	1
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	3.7		34	1
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	2.6		34	1
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	6.4		34	1
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	4.6		34	1



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc Date Collected: 06/26/06
Project ID: River Place #2 Date Received: 06/26/06
Customer Sample No.: ECW-3(-19)-062606DL Lab Sample ID: X3465-13DL
Test: VOC-TCLVOA 4.3-10 SDG ID: X3465
Analytical Method: EPA SW846 8260 - MED % Moisture: 26.00
Result Type: Final Datafile: VD005201

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-71-8	Dichlorodifluoromethane	ND	U	ug/Kg	56	840	1	DIL
74-87-3	Chloromethane	370	J	ug/Kg	120	840	1	DIL
75-01-4	Vinyl Chloride	ND	U	ug/Kg	45	840	1	DIL
74-83-9	Bromomethane	490	J	ug/Kg	130	840	1	DIL
75-00-3	Chloroethane	ND	U	ug/Kg	150	840	1	DIL
75-69-4	Trichlorofluoromethane	ND	U	ug/Kg	97	840	1	DIL
76-13-1	1,1,2-Trichlorotrifluoroethane	ND	U	ug/Kg	120	840	1	DIL
75-35-4	1,1-Dichloroethene	ND	U	ug/Kg	54	840	1	DIL
67-64-1	Acetone	1400	J	ug/Kg	560	4200	1	DIL
75-15-0	Carbon Disulfide	ND	U	ug/Kg	66	840	1	DIL
1634-04-4	Methyl tert-butyl Ether	ND	U	ug/Kg	61	840	1	DIL
79-20-9	Methyl Acetate	ND	U	ug/Kg	140	840	1	DIL
75-09-2	Methylene Chloride	ND	U	ug/Kg	110	840	1	DIL
156-60-5	trans-1,2-Dichloroethene	ND	U	ug/Kg	87	840	1	DIL
75-34-3	1,1-Dichloroethane	ND	U	ug/Kg	36	840	1	DIL
110-82-7	Cyclohexane	ND	U	ug/Kg	62	840	1	DIL
78-93-3	2-Butanone	ND	U	ug/Kg	480	4200	1	DIL
56-23-5	Carbon Tetrachloride	ND	U	ug/Kg	79	840	1	DIL
156-59-2	cis-1,2-Dichloroethene	ND	U	ug/Kg	130	840	1	DIL
67-66-3	Chloroform	ND	U	ug/Kg	97	840	1	DIL
71-55-6	1,1,1-Trichloroethane	ND	U	ug/Kg	69	840	1	DIL
108-87-2	Methylcyclohexane	ND	U	ug/Kg	100	840	1	DIL
71-43-2	Benzene	3000		ug/Kg	41	840	1	DIL
107-06-2	1,2-Dichloroethane	ND	U	ug/Kg	54	840	1	DIL
79-01-6	Trichloroethene	ND	U	ug/Kg	110	840	1	DIL
78-87-5	1,2-Dichloropropane	ND	U	ug/Kg	54	840	1	DIL
75-27-4	Bromodichloromethane	ND	U	ug/Kg	59	840	1	DIL
108-10-1	4-Methyl-2-Pentanone	ND	U	ug/Kg	220	4200	1	DIL

Report of Analysis

Client: Langan Engineering and Environmental Services, Inc **Date Collected:** 06/26/06
Project ID: River Place #2 **Date Received:** 06/26/06
Customer Sample No.: ECW-3(-19)-062606DL **Lab Sample ID:** X3465-13DL
Test: VOC-TCLVOA 4.3-10 **SDG ID:** X3465
Analytical Method: EPA SW846 8260 - MED **% Moisture:** 26.00
Result Type: Final **DataFile:** VD005201

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
108-88-3	Toluene	ND	U	ug/Kg	65	840	1	DIL
10061-02-6	t-1,3-Dichloropropene	ND	U	ug/Kg	72	840	1	DIL
10061-01-5	cis-1,3-Dichloropropene	ND	U	ug/Kg	26	840	1	DIL
79-00-5	1,1,2-Trichloroethane	ND	U	ug/Kg	87	840	1	DIL
591-78-6	2-Hexanone	ND	U	ug/Kg	110	4200	1	DIL
124-48-1	Dibromochloromethane	ND	U	ug/Kg	64	840	1	DIL
106-93-4	1,2-Dibromoethane	ND	U	ug/Kg	110	840	1	DIL
127-18-4	Tetrachloroethene	ND	U	ug/Kg	56	840	1	DIL
108-90-7	Chlorobenzene	ND	U	ug/Kg	62	840	1	DIL
100-41-4	Ethyl Benzene	ND	U	ug/Kg	69	840	1	DIL
126777-61-2	m/p-Xylenes	ND	U	ug/Kg	160	1700	1	DIL
95-47-6	o-Xylene	ND	U	ug/Kg	62	840	1	DIL
100-42-5	Styrene	ND	U	ug/Kg	58	840	1	DIL
75-25-2	Bromoform	ND	U	ug/Kg	43	840	1	DIL
98-82-8	Isopropylbenzene	ND	U	ug/Kg	56	840	1	DIL
79-34-5	1,1,2,2-Tetrachloroethane	ND	U	ug/Kg	84	840	1	DIL
541-73-1	1,3-Dichlorobenzene	ND	U	ug/Kg	63	840	1	DIL
106-46-7	1,4-Dichlorobenzene	ND	U	ug/Kg	65	840	1	DIL
95-50-1	1,2-Dichlorobenzene	ND	U	ug/Kg	62	840	1	DIL
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	ug/Kg	160	840	1	DIL
120-82-1	1,2,4-Trichlorobenzene	ND	U	ug/Kg	48	840	1	DIL



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14
Test:	Corrosivity	SDG ID:	X3465
Analytical Method:	9045 Corrosivity	% Moisture:	31.40
Result Type:	Final	Datafile:	LB10025

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Corrosivity (as pH)	8.20		pH	0.00	0.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14					
Test:	Flash Point	SDG ID:	X3465					
Analytical Method:	1010 Flashpoint	% Moisture:	31.40					
Result Type:	Final	Datafile:	lb10013					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Flashpoint	>100		o C	0.00	0.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14					
Test:	Metals Group3	SDG ID:	X3465					
Analytical Method:	Sulfur 6020	% Moisture:	31.40					
Result Type:	Final	Datafile:	P1062806					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Sulfur	18600		mg/Kg	14.6	14.6	10	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14
Test:	PCB	SDG ID:	X3465
Analytical Method:	EPA SW-846 8082	% Moisture:	31.00
Result Type:	Final	Datafile:	P5004373

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
12674-11-2	Aroclor-1016	ND	U	ug/Kg	3.7	24	1	
11104-28-2	Aroclor-1221	ND	U	ug/Kg	5.7	24	1	
11141-16-5	Aroclor-1232	ND	U	ug/Kg	8.5	24	1	
53469-21-9	Aroclor-1242	ND	U	ug/Kg	7.5	24	1	
12672-29-6	Aroclor-1248	ND	U	ug/Kg	3.7	24	1	
11097-69-1	Aroclor-1254	ND	U	ug/Kg	2.4	24	1	
11096-82-5	Aroclor-1260	ND	U	ug/Kg	6.1	24	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14
Test:	Reactive Cyanide	SDG ID:	X3465
Analytical Method:	7.3.3.2 Reactive Cyanide	% Moisture:	31.40
Result Type:	Final	Datafile:	LB30010

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Cyanide	ND	U	mg/Kg	10.00	10.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-14
Test:	Reactive Sulfide	SDG ID:	X3465
Analytical Method:	7.3.4.2 Reactive Sulfide	% Moisture:	31.40
Result Type:	Final	Datafile:	LB30011

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
	Reactive Sulfide	ND	U	mg/Kg	40.00	40.00	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-15
Test:	TCLPMetals Group2	SDG ID:	X3465
Analytical Method:	EPA SW-846 6010 - ICP1	% Moisture:	100.00
Result Type:	Final	Datafile:	P1062906

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7440-38-2	Arsenic	ND	U	ug/L	33.2	100	1	
7440-39-3	Barium	201	J	ug/L	7.230	2000	1	
7440-43-9	Cadmium	4.800	J	ug/L	3.270	50.0	1	
7440-47-3	Chromium	17.4	J	ug/L	3.430	100	1	
7440-50-8	Copper	ND	U	ug/L	36.4	250	1	
7439-92-1	Lead	ND	U	ug/L	21.8	50.0	1	
7440-02-0	Nickel	ND	U	ug/L	15.6	400	1	
7782-49-2	Selenium	ND	U	ug/L	30.4	100	1	
7440-22-4	Silver	ND	U	ug/L	16.4	100	1	
7440-66-6	Zinc	139	J	ug/L	6.110	200	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc

Date Collected: 06/26/06

Project ID: River Place #2

Date Received: 06/26/06

Customer Sample No.: ECW-COMP(-19)-062606

Lab Sample ID: X3465-15

Test: TCLP BNA

SDG ID: X3465

Analytical Method: EPA SW-846 8270

% Moisture: 100.00

Result Type: Final

Datafile: BE032106

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
110-86-1	Pyridine	ND	U	ug/L	0.980	10	1	
106-46-7	1,4-Dichlorobenzene	ND	U	ug/L	1.2	10	1	
95-48-7	2-Methylphenol	ND	U	ug/L	1.5	10	1	
106-44-5	3+4-Methylphenols	ND	U	ug/L	1.3	10	1	
67-72-1	Hexachloroethane	ND	U	ug/L	1.2	10	1	
98-95-3	Nitrobenzene	ND	U	ug/L	1.6	10	1	
87-68-3	Hexachlorobutadiene	ND	U	ug/L	1.4	10	1	
95-95-4	2,4,5-Trichlorophenol	ND	U	ug/L	1.2	10	1	
88-06-2	2,4,6-Trichlorophenol	ND	U	ug/L	1.1	10	1	
121-14-2	2,4-Dinitrotoluene	ND	U	ug/L	1.2	10	1	
118-74-1	Hexachlorobenzene	ND	U	ug/L	1.2	10	1	
87-86-5	Pentachlorophenol	ND	U	ug/L	1.6	10	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06
Project ID:	River Place #2	Date Received:	06/26/06
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-15
Test:	TCLP Herbicide	SDG ID:	X3465
Analytical Method:	EPA SW-846 8151	% Moisture:	100.00
Result Type:	Final	Datafile:	P8001917

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
94-75-7	2,4-D	ND	U	ug/L	1.000	2.0	1	
93-72-1	2,4,5-TP (SILVEX)	ND	U	ug/L	1.000	2.0	1	



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Report of Analysis

Client:	Langan Engineering and Environmental Services, Inc	Date Collected:	06/26/06					
Project ID:	River Place #2	Date Received:	06/26/06					
Customer Sample No.:	ECW-COMP(-19)-062606	Lab Sample ID:	X3465-15					
Test:	TCLP Mercury	SDG ID:	X3465					
Analytical Method:	EPA SW-846 7470 - HG	% Moisture:	100.00					
Result Type:	Final	Datafile:	063006B					
CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
7439-97-6	Mercury	ND	U	ug/L	0.3300	2	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: ECW-COMP(-19)-062606
Lab Sample ID: X3465-15
Test: TCLP Pesticide
SDG ID: X3465
Analytical Method: EPA SW-846 8081
% Moisture: 100.00
Result Type: Final
Datafile: P7004624

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
58-89-9	gamma-BHC	ND	U	ug/L	0.0071	0.050	1	
76-44-8	Heptachlor	ND	U	ug/L	0.0227	0.050	1	
1024-57-3	Heptachlor epoxide	ND	U	ug/L	0.0121	0.050	1	
72-20-8	Endrin	ND	U	ug/L	0.0069	0.050	1	
72-43-5	Methoxychlor	ND	U	ug/L	0.0072	0.050	1	
8001-35-2	Toxaphene	ND	U	ug/L	0.0900	0.50	1	
57-74-9	Chlordane	ND	U	ug/L	0.1914	0.50	1	



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Report of Analysis

Client: Langan Engineering and Environmental Services, Inc
Date Collected: 06/26/06
Project ID: River Place #2
Date Received: 06/26/06
Customer Sample No.: ECW-COMP(-19)-062606
Lab Sample ID: X3465-15
Test: TCLP VOA
SDG ID: X3465
Analytical Method: EPA SW846 8260
% Moisture: 100.00
Result Type: Final
Datafile: VI006198

CAS Number	Parameter	Results	Qualifier	Units	DL	Retention Time	DF	DIL/RE
75-01-4	Vinyl Chloride	ND	U	ug/L	1.6	25	5	
75-35-4	1,1-Dichloroethene	ND	U	ug/L	2.1	25	5	
78-93-3	2-Butanone	ND	U	ug/L	5.7	120	5	
56-23-5	Carbon Tetrachloride	ND	U	ug/L	5.7	25	5	
67-66-3	Chloroform	ND	U	ug/L	1.7	25	5	
71-43-2	Benzene	190		ug/L	1.9	25	5	
107-06-2	1,2-Dichloroethane	ND	U	ug/L	1.7	25	5	
79-01-6	Trichloroethene	ND	U	ug/L	2.3	25	5	
127-18-4	Tetrachloroethene	ND	U	ug/L	2.4	25	5	
108-90-7	Chlorobenzene	ND	U	ug/L	2.3	25	5	

U = Not Detected

RL = Reporting Limit

MDL = Method Detection Limit

E = Value Exceeds Calibration Range

J = Estimated Value

B = Analyte Found In Associated Method Blank

N = Presumptive Evidence of a Compound

Project #: X3465

7/6/2006 1:44:44 PM

End of Report

CHEMTECH

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.17
Final Wt/Vol: 0.5
Percent Solids 84
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-01
Lab File ID: P9002367.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-8(-19)-062606	TPH GC	ND	U	17264.65	ug/Kg

77
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.11
Final Wt/Vol: 0.5
Percent Solids 85
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-02
Lab File ID: P9002368.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-8(-23)-062606	TPH GC	19200		17129.29	ug/Kg

JJ
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.19
Final Wt/Vol: 0.5
Percent Solids 86.5
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-03
Lab File ID: P9002369.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-9(-19)-062606	TPH GC	ND	U	16743.60	ug/Kg

JJ
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.15
Final Wt/Vol: 0.5
Percent Solids 79.4
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-04
Lab File ID: P9002370.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-9(23)-062606	TPH GC	43800		18288.98	ug/Kg

JJ
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.23
Final Wt/Vol: 0.5
Percent Solids 56.4
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-05
Lab File ID: P9002371.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-10(-19)-062606	TPH GC	ND	U	25612.01	ug/Kg

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7/5/06

CHEMTECH

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.37
Final Wt/Vol: 0.5
Percent Solids 63.9
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-06
Lab File ID: P9002372.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
BR-10(-23)-062606	TPH GC	234000		22400.00	ug/Kg

JJ
7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.26
Final Wt/Vol: 0.5
Percent Solids 65.4
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-11
Lab File ID: P9002373.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECW-1(-19)-062606	TPH GC	ND	U	22044.00	ug/Kg

7/7/06

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TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)

Client: Langan Engineering and Environmental Services, In
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.22
Final Wt/Vol: 0.5
Percent Solids 63.3
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-12
Lab File ID: P9002378.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECW-2(-19)-062606	TPH GC	ND	U	22835.17	ug/Kg

7/5/06

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**TABULATED RESULTS
TOTAL PETROLEUM HYDROCARBONS
(C8-C44)**

Client: Langan Engineering and Environmental Services, Inc
Project: River Place #2
Collection Date: 6/26/06
Extraction Date: 6/28/06
Initial Wt/Vol: 15.18
Final Wt/Vol: 0.5
Percent Solids 74.4
Dilution Factor: 1

PrepBatch: PB20447
Matrix Solid
Lab Project: X3465
Lab Sample ID X3465-13
Lab File ID: P9002379.D
Analyst: JJ
Received Date: 06/26/06
Analysis Date: 07/04/06

<u>Client ID</u>	<u>Parameter</u>	<u>Results</u>	<u>Qual</u>	<u>MDL</u>	<u>Units</u>
ECW-3(-19)-062606	TPH GC	ND	U	19479.51	ug/Kg

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7/5/06