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Brown AND Caldwell

March 24, 2010

Mr. Gabriel Mussio
Division Manager
Environmental Management Section
General Services Department
City of Houston
P.O. Box 1562
Houston, Texas 77251

SUBJECT: PHASE II ENVIRONMENTAL SITE ASSESSMENT (ESA) OF PROPERTY LOCATED AT INTERSECTION OF SOUTH GESSNER ROAD AND WESTPLACE DRIVE IN HOUSTON, TEXAS

Dear Mr. Mussio:

Brown and Caldwell conducted a Phase II Environmental Site Assessment (ESA), which included soil sampling and groundwater sampling activities at the property located at South Gessner Road and Westplace Drive in Houston, Texas ("Site") on March 3 and 5, 2010, in accordance with the scope of work authorized by the City of Houston on February 25, 2010. The following is a summary of the field activities and sample analytical results associated with this Phase II ESA.

BACKGROUND

The Site is located at South Gessner Road and Westplace Drive in Houston, Harris County, Texas (see Attachment A – Figure 1). Based on information provided by the City of Houston, the property has never been developed. According to the Phase I ESA report prepared for the subject site by Brown and Caldwell, dated November 26, 2008, a Texas Commission on Environmental Quality (TCEQ) Voluntary Cleanup Program (VCP) site (Bellfort Cleaners) is located approximately 2,000 feet north of the site. According to the TCEQ VCP database records, this site was entered into the VCP program in 2000 because of soil and groundwater impacts from chlorinated solvents and the site is in the investigation phase. Additionally, during the site reconnaissance portion of the Phase I ESA, a manhole cover was observed in the southeast corner of the site. Per your request, Brown and Caldwell conducted the Phase II ESA activities to further assess the potential for impact to soil and groundwater beneath the Site, from the activities at the surrounding properties.

PHASE II ASSESSMENT FIELD ACTIVITIES

Brown and Caldwell provided drilling oversight for advancing three soil borings/monitoring wells using a hollow stem auger rig. The soil borings and monitoring wells were installed at locations approved by the City of Houston. One of the soil borings/monitoring wells was located in the north-central portion of the site, along Westplace Drive (MW-1); one soil boring/monitoring well was installed near the western property boundary (MW-2); and one soil boring/monitoring well was installed in the southeast corner of the property along South Gessner Road (MW-3), as shown on the site map provided as Figure 2 in Attachment A. The soil boring/monitoring well installed along the western property boundary was planned to be installed in the southwest corner of the property, however, due to dense vegetation in the southwest corner of the property, this soil boring/monitoring well was installed as far south along the western fence line as was accessible by the drill rig.

Each soil boring/monitoring well was advanced to the bottom of the uppermost groundwater bearing unit. The total depth of the monitoring well borings ranged between 23 and 34 feet below ground surface (bgs), as indicated in Attachment B – Soil Boring Logs. The soil borings were continuously sampled from the ground surface to the termination depth of the borings. Brown and Caldwell field personnel logged the soil cores in accordance with the Unified Soil Classification System (USCS). The Brown and Caldwell field personnel continuously screened the soil cores from the ground surface to the termination depth of the borings using a photoionization detector (PID). PID readings were not detected above zero parts per million (ppm) at the three soil boring/monitoring well locations.

Two unsaturated zone soil samples were collected from each of the soil boring/groundwater monitoring well locations at the following depth intervals:

- From 0-2 feet bgs; and
- From immediately above the soil/groundwater interface, since no PID readings were detected.

The six unsaturated zone samples were analyzed for the following parameters:

- Total Petroleum Hydrocarbons (TPH) by Texas Method 1005;
- Volatile Organic Compounds (VOCs) by EPA Method 8260B;
- Semi-volatile Organic Compounds (SVOCs) by EPA Method 8270D; and
- Eight Resource Conservation and Recovery Act (RCRA) Metals by EPA Method SW-6010/6020/7470.

Soil cuttings were containerized in 55-gallon drums and staged in an area designated by the City of Houston within the property boundary of the Site, pending characterization and disposal by the City of Houston.

Quality Assurance/Quality Control (QA/QC) samples collected for soil included one duplicate sample, one equipment rinsate blank, one field blank, and one trip blank per shipment cooler. The field blank was analyzed for VOCs only. The trip blank was lost by the analytical laboratory. The duplicate soil sample and equipment rinsate blank were analyzed for TPH by Texas Method 1005, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270D, and eight RCRA Metals by EPA Method SW-6010/6020/7470.

Soil and QA/QC samples were delivered to A&B Labs in Houston, Texas under standard chain-of-custody protocols and analyzed on a standard turnaround time, which is 10 business days. Texas Risk Reduction

Program (TRRP) Level II laboratory QA/QC reporting was requested. The laboratory analytical reports for the soil samples listed in Table 1 are presented in Attachment D.

The groundwater monitoring wells were constructed with at least 10 feet of 2-inch diameter, 0.010 machine slot, flush-threaded, Schedule 40 polyvinyl chloride (PVC) screen, and 2-inch diameter PVC casing to ground surface. The monitoring wells were screened at the lowermost portion of the upper transmissive zone. The monitoring well screen was placed to intersect the soil/groundwater interface. The monitoring wells were equipped with a PVC bottom cap and a locking top cap. The annular area of each of the monitoring wells was backfilled with 20/40 grade filter sand installed from the total depth of the well to approximately two feet above the screen. A hydrated bentonite seal was installed above the filter sand. The groundwater monitoring wells were completed a few inches below ground surface and protected with a flush-to-grade manhole set in a four foot square concrete pad that was at least four inches thick. The areas surrounding the concrete pads were repaired with material equivalent to the original surface. Development of the monitoring wells was performed until the produced groundwater was relatively free of suspended sediment, indicated by turbidity of less than 10 NTUs.

The monitoring wells were purged and sampled using low-flow purging and sampling protocols. Purge water was containerized in 55-gallon drums and retained at the Site pending characterization and disposal by the City of Houston. The groundwater samples were analyzed for the following parameters (see Attachment C – Table 2):

- TPH by Texas Method 1005;
- VOCs by EPA Method 8260B;
- SVOCs by EPA Method 8270D; and
- Eight RCRA Metals by EPA Method SW-6010/6020/7470.

QA/QC samples collected for groundwater included one duplicate groundwater sample, one field blank, one equipment rinsate blank and one trip blank per shipment cooler. The trip blank and the field blank were analyzed for VOCs by EPA Method 8260B. The duplicate sample and equipment rinsate blank were analyzed for TPH by Texas Method 1005, VOCs by EPA Method 8260B, SVOCs by EPA Method 8270D, and eight RCRA Metals by EPA Method SW-6010/6020/7470.

Groundwater samples and QA/QC samples were delivered to A&B Labs in Houston, Texas under standard chain-of-custody protocols and analyzed on a standard turnaround time, which is 10 business days. TRRP Level II laboratory QA/QC reporting was requested. The laboratory analytical reports for the groundwater samples listed in Table 2 are presented in Attachment D.

Field measurement equipment was decontaminated prior to and following each use. Decontamination procedures consisted of washing with distilled water and a non-phosphate detergent, then rinsing with distilled water. Purge and decontamination waters were containerized in 55-gallon drums that were labeled and retained at the Gessner and Westplace property pending characterization and disposal by the City of Houston.

PHASE II DATA EVALUATION

Brown and Caldwell evaluated the analytical data for both soil and groundwater samples following the guidelines of Texas Administrative Code, Title 30, Chapter 350 (30 TAC §350), also known as the TRRP Rule, which establishes tiered processes for determining human health and ecological protective concentration levels (PCLs) for chemicals of concern (COCs). Soil and groundwater sample analytical results were initially evaluated against risk-based standards appropriate for the property, which are the Residential Assessment Levels (RALs) in the

TRRP rule. RALs may be thought of as "action levels." The RALs are typically the default Tier 1 PCLs for a 0.5-acre residential source area, or in the case of RCRA Metals in soil, the Texas-Specific Median Background Concentration, as promulgated in 30 TAC §350.51(m), may be used as the RAL. Moreover, for soil RALs established to protect groundwater, RALs may be set equal to Tier 2 PCLs, which take into account site-specific properties, such as soil pH or Tier 3 PCLs, which are based on alternate evaluations of chemical transport and fate behavior. Only Tier 1 PCLs and Texas Specific Background Concentrations were used as RALs for the purposes of evaluation of the initial Phase II sampling and analysis activities.

If a concentration exceeds a RAL, this indicates the presence of affected media. In accordance with TRRP, further assessment must be conducted to determine the extent of affected media and appropriate response action must be conducted to address affected media. A PCL is the regulatory standard for a concentration of a COC that must be achieved in the source medium (e.g. soil, groundwater) in order to protect a receptor at the point(s) of exposure to that COC. The critical PCL for each COC in each affected medium is the most stringent PCL among all applicable human health exposure pathways and ecological exposure pathways, as specified under TRRP. Concentrations of COCs in each affected medium in excess of the critical PCLs define the Protective Concentration Level Exceedence (PCLE) zone. The PCLE zone for each COC in each affected medium must be addressed through a remedy or response action.

The following sections discuss detections of COCs in soil and groundwater.

TPH in Soil

There were no TPH detections in any of the soil samples collected during this sampling event.

Metals in Soil

Arsenic was detected in six soil samples collected during this sampling event; however, there were no soil samples exhibiting arsenic concentrations that exceeded the RAL of 5.9 milligrams per kilogram (mg/kg). Barium was detected in six soil samples collected during this sampling event; however, there were no soil samples exhibiting barium concentrations that exceeded the RAL of 4.4E+02 mg/kg. Cadmium was not detected in any of the soil samples collected during this sampling event. Chromium was detected in six soil samples collected during this sampling event; however, there were no soil samples exhibiting chromium concentrations that exceeded the RAL of 2.4E+03 mg/kg. Lead was detected in six soil samples collected during this sampling event; however, there were no soil samples exhibiting lead concentrations that exceeded the RAL of 1.5E+01 mg/kg. Selenium and silver were not detected in any of the soil samples collected during this sampling event. Mercury was detected in six soil samples collected during this sampling event; however, there were no soil samples exhibiting mercury concentrations that exceeded the RAL of 4.0E-02 mg/kg. The concentrations of metals detected in soil samples collected during this sampling event did not exceed the respective RALs for these constituents.

VOCs in Soil

There were no VOC constituents detected in any of the soil samples collected. As indicated on Table 1, the laboratory SDLs did not meet the RALs in three instances:

- The SDL for 1,2,3-Trichloropropane exceeded the RAL of 2.3E-03 mg/kg;
- The SDL for 1,2-Dibromo-3-chloropropane exceeded the RAL of 1.7E-03 mg/kg; and
- The SDL for 1,2-Dibromomethane exceeded the RAL of 2.1 E-04 mg/kg.

SVOCs in Soil

There were no SVOC constituents detected in any of the soil samples collected during this sampling event. As indicated on Table 1, the laboratory SDL did not meet the RALs in 11 instances.

- The SDL for 2,4,6-Trichlorophenol exceeded the RAL of 1.7E-01 mg/kg;
- The SDL for 2,4-Dinitrophenol exceeded the RAL of 9.4E-02 mg/kg;
- The SDL for 2,4-Dinitrotoluene exceeded the RAL of 5.3E-03 mg/kg;
- The SDL for 2,6-Dinitrotoluene exceeded the RAL of 4.8E-03 mg/kg;
- The SDL for 4,6-Dinitro-2-Methylphenol exceeded the RAL of 4.7E-03 mg/kg;
- The SDL for 4-Chlorophenyl phenyl ether exceeded the RAL of 3.2E-02 mg/kg;
- The SDL for 4-Nitrophenol exceeded the RAL of 1.0E-01 mg/kg;
- The SDL for Bis(2-chloroethoxy)methane exceeded the RAL of 1.2E-02 mg/kg;
- The SDL for Bis(2-chloroethyl)ether exceeded the RAL of 2.1E-03 mg/kg;
- The SDL for N-Nitrosodimethylamine exceeded the RAL of 3.5E-04 mg/kg; and
- The SDL for Pentachlorophenol exceeded the RAL of 1.8E-02 mg/kg.

TPH in Groundwater

TPH was not detected in any of the groundwater samples collected during this sampling event.

Metals in Groundwater

Arsenic was detected in three groundwater samples collected during this sampling event; however, there were no groundwater samples exhibiting arsenic concentrations that exceeded the RAL of 1.0E-02 milligrams per liter (mg/L). Barium was detected in three groundwater samples collected during this sampling event; however, there were no groundwater samples exhibiting barium concentrations that exceeded the RAL of 2 mg/L. Cadmium was not detected in any of the groundwater samples collected during this sampling event. Chromium was detected in two groundwater samples collected during this sampling event; however, there were no groundwater samples exhibiting chromium concentrations that exceeded the RAL of 1.0E-01 mg/L. Lead was detected in one groundwater sample collected during this sampling event; however, there were no groundwater samples exhibiting lead concentrations that exceeded the RAL of 1.5E-02 mg/L. Selenium was detected in one groundwater sample collected during this sampling event; however, there were no groundwater samples exhibiting selenium concentrations that exceeded the RAL of 5.0E-02 mg/L. Silver and mercury were not detected in any of the groundwater samples collected during this sampling event. The concentrations of metals detected in groundwater samples collected during this sampling event did not exceed the respective RALs for these constituents.

VOCs in Groundwater

There were no VOC constituents detected in any of the groundwater samples collected during this sampling event. As indicated on Table 2, the laboratory SDLs did not meet the RALs in three instances:

- The SDL for 1,2,3-Trichloropropane exceeded the RAL of 1.3E-04 mg/L;
- The SDL for 1,2-Dibromomethane exceeded the RAL of 5.0E-05 mg/L; and
- The SDL for cis-1,3-Dichloropropene exceeded the RAL of 1.7 E-03 mg/kg.

SVOCs in Groundwater

The only SVOC constituent detected in any of the groundwater samples collected during this sampling event was Di-n-butyl phthalate. However, there were no groundwater samples collected during this sampling event exhibiting Di-n-butyl phthalate concentrations that exceeded the RAL of 2.4 mg/L. As indicated on Table 2, the laboratory SDL did not meet the RALs in 18 instances.

- The SDL for 2,4-Dinitrotoluene exceeded the RAL of 1.3E-03 mg/L;
- The SDL for 2,6-Dinitrotoluene exceeded the RAL of 1.3E-03 mg/L;
- The SDL for 4,6-Dinitro-2-Methylphenol exceeded the RAL of 2.4E-03 mg/L;
- The SDL for 4-Bromophenyl phenyl ether exceeded the RAL of 6.1E-05 mg/L;
- The SDL for 4-Chlorophenyl phenyl ether exceeded the RAL of 6.1E-05 mg/L;
- The SDL for Benzidine exceeded the RAL of 4.0E-06 mg/L;
- The SDL for Benzo(a)anthracene exceeded the RAL of 1.3E-03 mg/L;
- The SDL for Benzo(a)pyrene exceeded the RAL of 2.0E-04 mg/L;
- The SDL for Benzo(b)fluoranthene exceeded the RAL of 1.3E-03 mg/L;
- The SDL for Bis(2-chloroethoxy)methane exceeded the RAL of 8.3E-04;
- The SDL for Bis (2-chloroethyl)ether exceeded the RAL of 8.3E-04 mg/L;
- The SDL for Bis(2-ethylhexyl) phthalate exceeded the RAL of 6.0E-03 mg/L;
- The SDL for Dibenzo (a,h)anthracene exceeded the RAL of 2.0E-04 mg/L;
- The SDL for Hexachlorobenzene exceeded the RAL of 1.0E-03 mg/L;
- The SDL for Indeno(1,2,3-cd)pyrene exceeded the RAL of 1.3E-03 mg/L;
- The SDL for N-Nitrosodimethylamine exceeded the RAL of 1.8E-05 mg/L;
- The SDL for N-Nitroso-di-n-propylamine exceeded the RAL of 1.3E-04 mg/L; and
- The SDL for Pentachlorophenol exceeded the RAL of 1.0E-03 mg/L.

A summary of laboratory analytical results for soil is provided as Table 1, and a summary of laboratory analytical results for groundwater is provided as Table 2 (see Attachment C). The laboratory analytical reports are provided in Attachment D.

PHASE II CONCLUSIONS

TPH, metals, VOC and SVOC concentrations reported in soil samples collected during this sampling event were less than their respective RALs, except for soil samples described previously in which the SDL exceeded the RAL for three SVOCs, and the SDL exceeded the RAL for 11 VOCs.

The concentrations of TPH, metals, VOCs, and SVOCs reported in groundwater samples collected during the sampling event were less than their respective RALs, except for the groundwater samples described previously in which the SDL exceeded the RAL for three VOCs and the SDL exceeded the RAL for 18 SVOCs.

Brown and Caldwell appreciates the opportunity to provide you with our services on this project. If you have any questions or require additional information, please do not hesitate to contact Madeline Mauk at 713-759-0999.

Sincerely,

BROWN AND CALDWELL

Madeline S. Mauk, P.E.
Managing Engineer

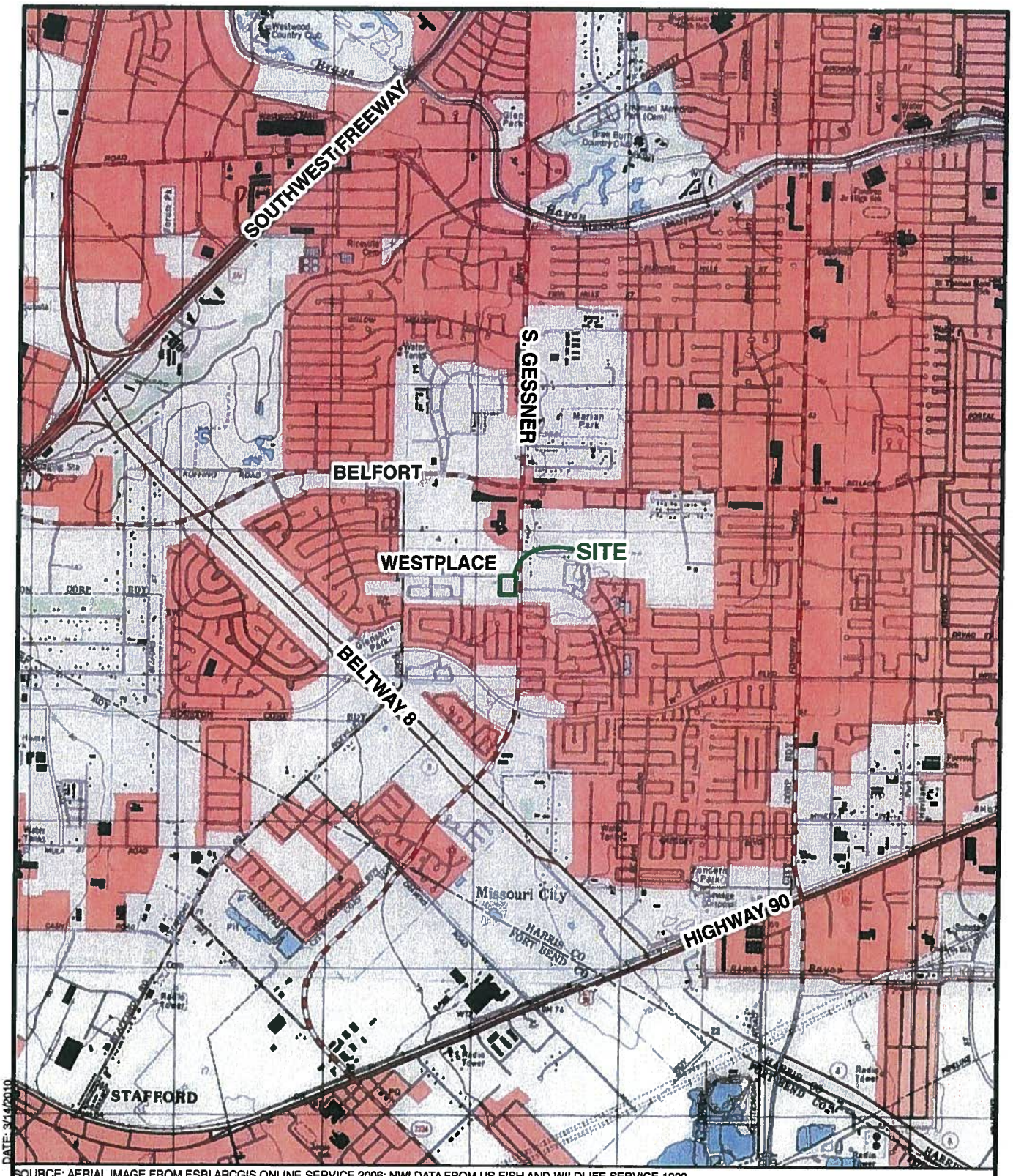
Christina Higginbotham, P.G.
Principal Geologist

Attachments: Attachment A – Figures
Attachment B – Soil Boring Logs
Attachment C – Analytical Data Summary Tables 1 and 2
Attachment D – Laboratory Analytical Reports

ATTACHMENT A

FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Map



DATE: 3/14/2010

SOURCE: AERIAL IMAGE FROM ESRI ARCGIS ONLINE SERVICE 2006; NWI DATA FROM US FISH AND WILDLIFE SERVICE 1992

Brown AND Caldwell

Site Boundary

0 1,500 3,000 Feet

Figure 1
SITE LOCATION
CITY OF HOUSTON
SOUTH GESSNER DRIVE AT WESTPLACE
HOUSTON, TEXAS 77055

NAME: knoorman

P:\Houston, City of (TX)\138936 - COH South Gessner Phase 2 ESA\GIS\SiteLocation.mxd

SOURCE: AERIAL IMAGE FROM ESRI ARCGIS ONLINE SERVICE 2006; NWI DATA FROM US FISH AND WILDLIFE SERVICE 1992

Site Boundary

0 100 200 Feet

Brown AND Caldwell

Figure 2
SITE MAP
CITY OF HOUSTON
SOUTH GESSNER DRIVE AT WESTPLACE
HOUSTON, TEXAS 77071

DATE: 3/15/2009

NAME: koopman

P:\Houston, City of (TX)\138936 - COH South Gessner Phase 2 ESA\GIS\SiteMap.mxd

ATTACHMENT B

SOIL BORING LOGS

BROWN AND CALDWELL
10777 Westheimer Road
Suite 925
Houston, Texas 77042

Monitoring Well: MW-1

Project Name: City of Houston Gessner at Westplace

Project Number: 138936

Sheet 1 of 2

Project Location: **Houston, Texas**		Logged By: **B. Camacho**	Checked By: **M. Pawar**
Drilling Contractor: **Advanced Drilling**		Date Started: **3/3/10**	Date Finished: **3/3/10**
Drilling Equipment: **CME-75**	Driller: **J. Zamora**	Total Boring Depth: (feet) **34.0**	Depth to Static Water: (feet) **4.90**
Drilling Method: **5 Foot Split Spoon**	Borehole Diameter: **6.25"**	TOC Elevation:	Ground Elevation:
Sampling Method: **Split Spoon**		Diameter and Type of Well Casing: **2" PVC**	
Comments:		Slot Size: **0.01"**	Filter Material: **20/40 Silica Sand**
		Development Method: **Submersible Pump**	

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
		CL		SANDY CLAY (CL); dark brown; soft; moist	0				
2					0		5		Soil Sample MW-1-0-2' Collected
					0				
4					0				
	▽				0				
6					0		5		
		CL		CL; light brown; firm; dry to moist	0				
8					0				
					0				
10		CL-ML		SILTY CLAY (CL-ML); tan; stiff; moist	0				
					0		5		
12					0				
					0				
14					0				
					0				
16					0		5		
		CL-ML		CLAY (CL-ML); tan; hard; dry; low plasticity	0				
18					0				
					0				
20					0				
		CL-ML		CL-ML; orange mottling	0		5		
22					0				22.0
					0				
24					0				
					0				
26					0		3.5		Soil Sample MW-1-25-27' Collected
	▼	SC		CLAYEY SAND (SC); tan; loose; wet; fine to medium grained sand	0				
28					0				
					0				

BROWN AND CALDWELL
10777 Westheimer Road
Suite 925
Houston, Texas 77042

Monitoring Well: MW-1

Project Name: City of Houston Gessner at Westplace

Project Number: 138936

Sheet 2 of 2

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
					0				
					0		4		Approximately10 gallons of water removed during development before well went dry, pumped an additional 10 gallons after recharge.
32					0				
		CL-ML		CLAY (CL-ML); tan, orange mottling; hard; dry	0				
34					0				34.0
				TD = 34'					

BROWN AND CALDWELL
10777 Westheimer Road
Suite 925
Houston, Texas 77042

Monitoring Well: MW-2

Project Name: City of Houston Gessner at Westplace

Project Number: 138936

Sheet 1 of 1

Project Location: Houston, Texas		Logged By: B. Camacho	Checked By: M. Pawar
Drilling Contractor: Advanced Drilling		Date Started: 3/3/10	Date Finished: 3/3/10
Drilling Equipment: Geoprobe	Driller: J. Zamora	Total Boring Depth: (feet) 30.0	Depth to Static Water: (feet) 4.48
Drilling Method: 5 Foot Split Spoon	Borehole Diameter: 5"	TOC Elevation:	Ground Elevation:
Sampling Method: Split Spoon		Diameter and Type of Well Casing: 2" PVC	
Comments:		Slot Size: 0.01"	Filter Material: 20/40 Silica Sand
		Development Method: Submersible Pump	

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
		CL		SANDY CLAY (CL); dark brown; firm; moist	0				
2					0		5		Soil Sample MW-2-0-2' Collected
					0				
4	▽	CL		CL; gray	0				
					0				
6					0		5		
		CL		CL; light brown; dry	0				
8					0				
					0				
10					0				
					0		5		
12					0				
					0				13.0
14					0				
					0				
16					0		4.5		
	▼	SC		CLAYEY SAND (SC); tan; loose; wet; fine to medium grained sand	0				Soil Sample MW-2-16-18' Collected
18					0				
					0				
20					0				
					0		3.5		
22					0				
					0				
24					0				
					0				Approximately 15 gallons pumped during development.
26					0		4		
					0				
28					0				
		CL		CLAY (CL); tan; hard; dry; low plasticity	0				30.0

BROWN AND CALDWELL
10777 Westheimer Road
Suite 925
Houston, Texas 77042

Monitoring Well: **MW-3**

Project Name: **City of Houston Gessner at Westplace** Project Number: **138936** Sheet **1** of **1**

Project Location: **Houston, Texas**		Logged By: **B. Camacho**	Checked By: **M. Pawar**
Drilling Contractor: **Advanced Drilling**		Date Started: **3/3/10**	Date Finished: **3/3/10**
Drilling Equipment: **Geoprobe**	Driller: **J. Zamora**	Total Boring Depth: (feet) **23.0**	Depth to Static Water: (feet) **6.39**
Drilling Method: **5 Foot Split Spoon**	Borehole Diameter: **5"**	TOC Elevation:	Ground Elevation:
Sampling Method: **Split Spoon**		Diameter and Type of Well Casing: **2" PVC**	
Comments:		Slot Size: **0.01"**	Filter Material: **20/40 Silica Sand**
		Development Method: **Submersible Pump**	

Depth (feet)	Depth to Water	USC Soil Type	Lithology	Description	PID Readings	Sampled Interval	Recovery (feet)	Sample ID	Monitoring Well Remarks
		CL		SANDY CLAY (CL); dark brown; soft; moist	0				
2					0		5		Soil Sample MW-3-0-2' Collected
					0				
4					0				
					0				
6	▽				0		5		
		CL		CL; tan; dry to moist	0				
8					0				
					0				
10					0				
					0		5		11.0
12					0				
					0				
14					0				
	▼	SC		CLAYEY SAND (SC); tan; wet; fine grained sand	0				Soil Sample MW-1-13-15' Collected
16					0		3.5		
					0				
18					0				
					0				
20					0				
					0		3		Approximately 20 gallons pumped during development.
22		CL-ML		CLAY (CL-ML); tan, orange mottling; hard; dry	0				
					0				23.0
				TD = 23'					

ATTACHMENT C

ANALYTICAL DATA SUMMARY TABLES 1 AND 2

Table 1 – Summary of Soil Sample Analysis Results
Table 2 – Summary of Groundwater Sample Analysis Results

Table 1
Summary of Soil Sample Analysis Results
City of Houston
Gessner and Westplace
March 3, 2010

Parameter	Residential Assessment Levels (RALs)	Sample Identification					
		MW-1	MW-1	MW-2	MW-2	MW-3	MW-3
		Top Depth 0'	Top Depth 25'	Top Depth 0'	Top Depth 16'	Top Depth 0'	Top Depth 13'
		Bottom Depth 2'	Bottom Depth 27'	Bottom Depth 2'	Bottom Depth 18'	Bottom Depth 2'	Bottom Depth 15'
Units		mg/Kg					
TPH by Method TX 1005							
TPH (C12-C28)	2.0E+02	<22.4	<24.3	<22.5	<23.8	<21.7	<23
TPH (C28-C35)	2.0E+02	<23.3	<25.2	<23.4	<24.7	<22.5	<23.9
TPH (C6-C12)	6.5E+01	<17.9	<19.4	<18	<19	<17.3	<18.4
Total TPH (C6-C35)	-	-	-	-	-	-	-
VOCs by Method SW-846 8260B							
1,1,1,2-Tetrachloroethane	1.4E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,1-Trichloroethane	1.6E+00	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
1,1,2,2-Tetrachloroethane	2.3E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1,2-Trichloroethane	2.0E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,1-Dichloroethane	1.9E+01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
1,1-Dichloroethylene	5.0E-02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
1,1-Dichloropropene	1.3E-01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
1,2,3-trichlorobenzene	2.6E+01	<0.004	<0.005	<0.004	<0.005	<0.004	<0.004
1,2,3-Trichloropropane	2.3E-03	<0.006	<0.007	<0.006	<0.006	<0.006	<0.006
1,2,4-Trichlorobenzene	4.8E+00	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
1,2,4-Trimethylbenzene	9.7E+00	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
1,2-Dibromo-3-chloropropane	1.7E-03	<0.006	<0.006	<0.006	<0.006	<0.005	<0.006
1,2-Dibromoethane	2.1E-04	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dichlorobenzene	1.8E+01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dichloroethane	1.4E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,2-Dichloropropane	2.3E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,3,5-Trimethylbenzene	5.3E+01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,3-Dichlorobenzene	6.7E+00	<0.003	<0.004	<0.003	<0.003	<0.003	<0.003
1,3-Dichloropropane	6.4E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
1,4-Dichlorobenzene	2.1E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2,2-Dichloropropane	1.2E-01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2-Chlorotoluene	9.1E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4-Chlorotoluene	3.8E+01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
4-Isopropyltoluene	2.3E+02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Benzene	2.6E-02	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Bromobenzene	5.8E+00	<0.004	<0.005	<0.004	<0.005	<0.004	<0.004
Bromochloromethane	3.0E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromodichloromethane	6.5E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromoform	6.3E-01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Bromomethane	1.3E-01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Carbon tetrachloride	6.2E-02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Chlorobenzene	1.1E+00	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Chloroethane	3.1E+01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Chloroform	1.0E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Chloromethane	4.1E-01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
cis-1,2-Dichloroethylene	2.5E-01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
cis-1,3-Dichloropropene	6.6E-03	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dibromochloromethane	4.9E-02	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Dibromomethane	1.1E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Dichlorodifluoromethane	2.4E+02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Ethylbenzene	7.6E+00	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Isopropylbenzene	3.5E+02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
m- & p-Xylenes	1.1E+02	<0.005	<0.006	<0.006	<0.006	<0.005	<0.006
MEK	2.9E+01	<0.006	<0.007	<0.006	<0.006	<0.006	<0.006
Methylene chloride	1.3E-02	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Naphthalene	3.1E+01	<0.004	<0.005	<0.004	<0.005	<0.004	<0.004
n-Butylbenzene	1.2E+02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
n-Propylbenzene	4.5E+01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
o-Xylene	7.1E+01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
sec-Butylbenzene	8.5E+01	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Styrene	3.3E+00	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
t-butylbenzene	1.0E+02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Tetrachloroethylene	5.0E-02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Toluene	8.2E+00	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
trans-1,2-Dichloroethylene	4.9E-01	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
trans-1,3-Dichloropropene	3.6E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichloroethylene	3.4E-02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Trichlorofluoromethane	1.3E+02	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Vinyl Chloride	2.2E-02	<0.002	<0.003	<0.002	<0.003	<0.002	<0.003
Xylenes	1.2E+02	<0.006	<0.007	<0.006	<0.006	<0.006	<0.006

Table 1
Summary of Soil Sample Analysis Results
City of Houston
Gessner and Westplace
March 3, 2010

Parameter	Residential Assessment Levels (RALs)	Sample Identification					
		MW-1	MW-1	MW-2	MW-2	MW-3	MW-3
		Top Depth 0'	Top Depth 25'	Top Depth 0'	Top Depth 16'	Top Depth 0'	Top Depth 13'
		Bottom Depth 2'	Bottom Depth 27'	Bottom Depth 2'	Bottom Depth 18'	Bottom Depth 2'	Bottom Depth 15'
Units		mg/Kg					
SVOCs by Method SW-846 8270D							
1,2,4-Trichlorobenzene	4.8E+00	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
1,2-Dichlorobenzene	1.8E+01	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
1,3-Dichlorobenzene	6.7E+00	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
1,4-Dichlorobenzene	2.1E+00	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
2,4,5-Trichlorophenol	3.4E+01	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
2,4,6-Trichlorophenol	1.7E-01	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
2,4-Dichlorophenol	3.5E-01	<0.146	<0.159	<0.147	<0.155	<0.141	<0.15
2,4-Dimethylphenol	3.2E+00	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
2,4-Dinitrophenol	9.4E-02	<0.146	<0.159	<0.147	<0.155	<0.141	<0.15
2,4-Dinitrotoluene	5.3E-03	<0.207	<0.225	<0.208	<0.22	<0.2	<0.213
2,6-Dinitrotoluene	4.8E-03	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
2-Chloronaphthalene	6.7E+02	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
2-Chlorophenol	1.6E+00	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
2-Methylnaphthalene	1.7E+01	<0.365	<0.396	<0.367	<0.389	<0.353	<0.375
2-Methylphenol	7.1E+00	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
2-Nitrophenol	1.3E-01	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
3- & 4-Methylphenols	6.3E-01	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
4,6-Dinitro-2-methylphenol	4.7E-03	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
4-Bromophenyl phenyl ether	3.5E-01	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
4-Chloro-3-methylphenol	4.5E+00	<0.171	<0.185	<0.171	<0.181	<0.165	<0.175
4-Chlorophenyl pheny ether	3.2E-02	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
4-Nitrophenol	1.0E-01	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
Acenaphthene	2.4E+02	<0.183	<0.198	<0.184	<0.194	<0.177	<0.188
Acenaphthylene	4.1E+02	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Anthracene	6.9E+03	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Benzo(a)anthracene	1.8E+01	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Benzo(a)pyrene	7.6E+00	<0.365	<0.396	<0.367	<0.389	<0.353	<0.375
Benzo(b)fluoranthene	6.0E+01	<0.365	<0.396	<0.367	<0.389	<0.353	<0.375
Benzo(g,h,i)perylene	4.6E+04	<0.487	<0.528	<0.49	<0.518	<0.471	<0.5
Benzo(k)fluoranthene	6.2E+02	<0.183	<0.198	<0.184	<0.194	<0.177	<0.188
Bis(2-chloroethoxy) methane	1.2E-02	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Bis(2-chloroethyl) ether	2.1E-03	<0.365	<0.396	<0.367	<0.389	<0.353	<0.375
Bis(2-chloroisopropyl) ether	1.9E-01	<0.146	<0.159	<0.147	<0.155	<0.141	<0.15
Bis(2-ethylhexyl)phthalate	1.6E+02	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
Butyl benzyl phthalate	2.6E+02	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
Chrysene	1.5E+03	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Dibenzo(a,h)anthracene	1.5E+01	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
Dibenzofuran	3.3E+01	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
Diethyl phthalate	1.6E+02	<0.171	<0.185	<0.171	<0.181	<0.165	<0.175
Dimethyl phthalate	6.2E+01	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
Di-n-butyl phthalate	3.3E+03	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
Di-n-octyl Phthalate	1.0E+06	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
Fluoranthene	1.9E+03	<0.207	<0.225	<0.208	<0.22	<0.2	<0.213
Fluorene	3.0E+02	<0.195	<0.211	<0.196	<0.207	<0.188	<0.2
Hexachlorobenzene	1.1E+00	<0.171	<0.185	<0.171	<0.181	<0.165	<0.175
Hexachlorobutadiene	3.3E+00	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Hexachlorocyclopentadiene	1.9E+01	<0.146	<0.159	<0.147	<0.155	<0.141	<0.15
Hexachloroethane	1.8E+00	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Indeno(1,2,3-cd)pyrene	1.7E+02	<0.244	<0.264	<0.245	<0.259	<0.236	<0.25
Isophorone	3.0E+00	<0.158	<0.172	<0.159	<0.168	<0.153	<0.163
Naphthalene	3.1E+01	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Nitrobenzene	3.5E-01	<0.146	<0.159	<0.147	<0.155	<0.141	<0.15
N-Nitrosodimethylamine	3.5E-04	<0.11	<0.119	<0.11	<0.117	<0.106	<0.113
N-nitroso-di-n-propylamine	2.8E+00	<0.122	<0.132	<0.122	<0.13	<0.118	<0.125
Pentachlorophenol	1.8E-02	<0.171	<0.185	<0.171	<0.181	<0.165	<0.175
Phenanthrene	4.2E+02	<0.244	<0.264	<0.245	<0.259	<0.236	<0.25
Phenol	1.9E+01	<0.134	<0.145	<0.135	<0.142	<0.13	<0.138
Pyrene	1.1E+03	<0.219	<0.238	<0.22	<0.233	<0.212	<0.225
Metals by Method SW-846 6020A and Mercury by SW-846 7470A							
Arsenic	5.0E+00	**2.42**	**2.83**	**1.93**	**2.6**	**2.15**	**2.74**
Barium	4.4E+02	**208**	**111**	**187**	**127**	**122**	**56.4**
Cadmium	1.5E+00	<0.373	<0.404	<0.375	<0.389	<0.367	<0.375
Chromium	2.4E+03	**12.8**	**13.4**	**13.3**	**11.3**	**8.67**	**7.12**
Lead	1.5E+01	**13.6**	**8.48**	**7.75**	**7.7**	**9.22**	**4.8**
Selenium	2.3E+00	<0.373	<0.404	<0.375	<0.389	<0.367	<0.375
Silver	4.8E-01	<0.373	<0.404	<0.375	<0.389	<0.367	<0.375
Mercury	4.0E-02	**0.009 J**	**0.012 J**	**0.013**	**0.007 J**	**0.022**	**0.016**

Notes
< - Concentration not detected above the Sample Detection Limit (SDL).
J - Concentration estimated between the method quantitation limit (MQL) and the SDL.
NA - not analyzed
BOLD- Chemical of concern detected
SDL exceeds RAL.
All samples were collected on March 3, 2010.

Table 2
Summary of Groundwater Sample Analysis Results
City of Houston
Gessner and Westplace
March 5, 2010

Parameter	Residential Assessment Levels (RALs)	Well Identification		
		MW-1	MW-2	MW-3
Units	mg/L			
TPH by Method TX 1005				
TPH (C12-C28)	9.78E-01	<0.89	<0.89	<0.89
TPH (C28-C35)	9.78E-01	<0.88	<0.88	<0.88
TPH (C6-C12)	9.78E-01	<0.94	<0.94	<0.94
Total TPH (C6-C35)	-	-	-	-
VOCs by Method SW-846 8260B				
1,1,1,2-Tetrachloroethane	3.5E-02	<0.002	<0.002	<0.002
1,1,1-Trichloroethane	2.0E-01	<0.002	<0.002	<0.002
1,1,2,2-Tetrachloroethane	4.6E-03	<0.002	<0.002	<0.002
1,1,2-Trichloroethane	5.0E-03	<0.002	<0.002	<0.002
1,1-Dichloroethane	4.9E+00	<0.002	<0.002	<0.002
1,1-Dichloroethylene	7.0E-03	<0.002	<0.002	<0.002
1,1-Dichloropropene	9.1E-03	<0.002	<0.002	<0.002
1,2,3-trichlorobenzene	7.3E-02	<0.002	<0.002	<0.002
1,2,3-Trichloropropane	1.3E-04	<0.005	<0.005	<0.005
1,2,4-Trichlorobenzene	7.0E-02	<0.002	<0.002	<0.002
1,2,4-Trimethylbenzene	2.4E-01	<0.001	<0.001	<0.001
1,2-Dibromo-3-chloropropane	2.0E-04	<0.004	<0.004	<0.004
1,2-Dibromoethane	5.0E-05	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	6.0E-01	<0.002	<0.002	<0.002
1,2-Dichloroethane	5.0E-03	<0.001	<0.001	<0.001
1,2-Dichloropropane	5.0E-03	<0.002	<0.002	<0.002
1,3,5-Trimethylbenzene	1.2E+00	<0.002	<0.002	<0.002
1,3-Dichlorobenzene	7.3E-01	<0.002	<0.002	<0.002
1,3-Dichloropropane	9.1E-03	<0.002	<0.002	<0.002
1,4-Dichlorobenzene	7.5E-02	<0.001	<0.001	<0.001
2,2-Dichloropropane	1.3E-02	<0.001	<0.001	<0.001
2-Chlorotoluene	4.9E-01	<0.002	<0.002	<0.002
4-Chlorotoluene	1.7E+00	<0.002	<0.002	<0.002
4-Isopropyltoluene	2.4E+00	<0.002	<0.002	<0.002
Benzene	5.0E-03	<0.002	<0.002	<0.002
Bromobenzene	4.9E-01	<0.002	<0.002	<0.002
Bromochloromethane	9.8E-01	<0.002	<0.002	<0.002
Bromodichloromethane	1.5E-02	<0.002	<0.002	<0.002
Bromoform	1.2E-01	<0.003	<0.003	<0.003
Bromomethane	3.4E-02	<0.003	<0.003	<0.003
Carbon tetrachloride	5.0E-03	<0.002	<0.002	<0.002
Chlorobenzene	1.0E-01	<0.002	<0.002	<0.002
Chloroethane	9.8E+00	<0.005	<0.005	<0.005
Chloroform	2.4E-01	<0.002	<0.002	<0.002
Chloromethane	7.0E-02	<0.002	<0.002	<0.002
cis-1,2-Dichloroethylene	7.0E-02	<0.001	<0.001	<0.001
cis-1,3-Dichloropropene	1.7E-03	<0.002	<0.002	<0.002
Dibromochloromethane	1.1E-02	<0.002	<0.002	<0.002
Dibromomethane	1.2E-01	<0.002	<0.002	<0.002
Dichlorodifluoromethane	4.9E+00	<0.002	<0.002	<0.002
Ethylbenzene	7.0E-01	<0.002	<0.002	<0.002
Isopropylbenzene	2.4E+00	<0.001	<0.001	<0.001
m- & p-Xylenes	1.0E+01	<0.003	<0.003	<0.003
MEK	1.5E+01	<0.005	<0.005	<0.005
Methylene chloride	5.0E-03	<0.003	<0.003	<0.003
Naphthalene	4.9E-01	<0.003	<0.003	<0.003
n-Butylbenzene	9.8E-01	<0.002	<0.002	<0.002
n-Propylbenzene	9.8E-01	<0.002	<0.002	<0.002
o-Xylene	1.0E+01	<0.002	<0.002	<0.002
sec-Butylbenzene	9.8E-01	<0.002	<0.002	<0.002
Styrene	1.0E-01	<0.001	<0.001	<0.001
t-butylbenzene	9.8E-01	<0.002	<0.002	<0.002
Tetrachloroethylene	5.0E-03	<0.002	<0.002	<0.002
Toluene	1.0E+00	<0.002	<0.002	<0.002
trans-1,2-Dichloroethylene	1.0E-01	<0.002	<0.002	<0.002
trans-1,3-Dichloropropene	9.1E-03	<0.002	<0.002	<0.002
Trichloroethylene	5.0E-03	<0.002	<0.002	<0.002
Trichlorofluoromethane	7.3E+00	<0.002	<0.002	<0.002
Vinyl Chloride	2.0E-03	<0.002	<0.002	<0.002
Xylenes	1.0E+01	<0.005	<0.005	<0.005

Table 2
Summary of Groundwater Sample Analysis Results
City of Houston
Gessner and Westplace
March 5, 2010

Parameter	Residential Assessment Levels (RALs)	Well Identification		
		MW-1	MW-2	MW-3
Units	mg/L			
SVOCs by Method SW-846 8270D				
1,2,4-Trichlorobenzene	7.0E-02	<0.002	<0.002	<0.002
1,2-Dichlorobenzene	6.0E-01	<0.003	<0.003	<0.003
1,3-Dichlorobenzene	7.3E-01	<0.002	<0.002	<0.002
1,4-Dichlorobenzene	7.5E-02	<0.003	<0.003	<0.003
2,4,5-Trichlorophenol	2.4E+00	<0.005	<0.005	<0.005
2,4,6-Trichlorophenol	2.4E-02	<0.007	<0.007	<0.007
2,4-Dichlorophenol	7.3E-02	<0.005	<0.005	<0.005
2,4-Dimethylphenol	4.9E-01	<0.006	<0.006	<0.006
2,4-Dinitrophenol	4.9E-02	<0.007	<0.007	<0.007
2,4-Dinitrotoluene	1.3E-03	<0.006	<0.006	<0.006
2,6-Dinitrotoluene	1.3E-03	<0.006	<0.006	<0.006
2-Chloronaphthalene	2.0E+00	<0.005	<0.005	<0.005
2-Chlorophenol	1.2E-01	<0.005	<0.005	<0.005
2-Methylnaphthalene	9.8E-02	<0.004	<0.004	<0.004
2-Methylphenol	1.2E+00	<0.005	<0.005	<0.005
2-Nitroaniline	7.3E-03	<0.004	<0.004	<0.004
2-Nitrophenol	4.9E-02	<0.007	<0.007	<0.007
3- & 4-Methylphenols	1.2E-01	<0.005	<0.005	<0.005
3,3-Dichlorobenzidine	2.0E-03	<0.011	<0.011	<0.011
3-Nitroaniline	7.3E-03	<0.003	<0.003	<0.003
4,6-Dinitro-2-methylphenol	2.4E-03	<0.006	<0.006	<0.006
4-Bromophenyl phenyl ether	6.1E-05	<0.006	<0.006	<0.006
4-Chloro-3-methylphenol	1.2E-01	<0.004	<0.004	<0.004
4-Chloroaniline	4.6E-03	<0.003	<0.003	<0.003
4-Chlorophenyl pheny ether	6.1E-05	<0.006	<0.006	<0.006
4-Nitroaniline	4.6E-02	<0.004	<0.004	<0.004
4-Nitrophenol	4.9E-02	<0.004	<0.004	<0.004
Acenaphthene	1.5E+00	<0.005	<0.005	<0.005
Acenaphthylene	1.5E+00	<0.004	<0.004	<0.004
Aniline	1.6E-01	<0.003	<0.003	<0.003
Anthracene	7.3E+00	<0.005	<0.005	<0.005
Azobenzene	8.3E-03	<0.004	<0.004	<0.004
Benzidine	4.0E-06	<0.013	<0.013	<0.013
Benzo(a)anthracene	1.3E-03	<0.004	<0.004	<0.004
Benzo(a)pyrene	2.0E-04	<0.004	<0.004	<0.004
Benzo(b)fluoranthene	1.3E-03	<0.004	<0.004	<0.004
Benzo(g,h,i)perylene	7.3E-01	<0.005	<0.005	<0.005
Benzo(k)fluoranthene	1.3E-02	<0.003	<0.003	<0.003
Benzoic acid	9.8E+01	<0.019	<0.019	<0.019
Benzyl alcohol	1.2E+01	<0.005	<0.005	<0.005
Bis(2-chloroethoxy) methane	8.3E-04	<0.005	<0.005	<0.005
Bis(2-chloroethyl) ether	8.3E-04	<0.003	<0.003	<0.003
Bis(2-chloroisopropyl) ether	1.3E-02	<0.003	<0.003	<0.003
Bis(2-ethylhexyl)phthalate	6.0E-03	<0.008	<0.008	<0.008
Butyl benzyl phthalate	4.8E-01	<0.005	<0.005	<0.005
Carbazole	4.6E-02	<0.006	<0.006	<0.006
Chrysene	1.3E-01	<0.002	<0.002	<0.002
Dibenzo(a,h)anthracene	2.0E-04	<0.005	<0.005	<0.005
Dibenzofuran	9.8E-02	<0.003	<0.003	<0.003
Diethyl phthalate	2.0E+01	<0.004	<0.004	<0.004
Dimethyl phthalate	2.0E+01	<0.003	<0.003	<0.003
Di-n-butyl phthalate	2.4E+00	<0.002	<0.002	**0.027**
Di-n-octyl Phthalate	4.9E-01	<0.005	<0.005	<0.005
Fluoranthene	9.8E-01	<0.004	<0.004	<0.004
Fluorene	9.8E-01	<0.006	<0.006	<0.006
Hexachlorobenzene	1.0E-03	<0.005	<0.005	<0.005
Hexachlorobutadiene	1.2E-02	<0.003	<0.003	<0.003
Hexachlorocyclopentadiene	5.0E-02	<0.003	<0.003	<0.003
Hexachloroethane	2.4E-02	<0.003	<0.003	<0.003
Indeno(1,2,3-cd)pyrene	1.3E-03	<0.005	<0.005	<0.005
Isophorone	9.6E-01	<0.006	<0.006	<0.006
Naphthalene	4.9E-01	<0.004	<0.004	<0.004
Nitrobenzene	4.9E-02	<0.003	<0.003	<0.003
N-Nitrosodimethylamine	1.8E-05	<0.003	<0.003	<0.003
N-nitroso-di-n-propylamine	1.3E-04	<0.003	<0.003	<0.003
N-Nitrosodiphenylamine	1.9E-01	<0.005	<0.005	<0.005
Pentachlorophenol	1.0E-03	<0.005	<0.005	<0.005
Phenanthrene	7.3E-01	<0.003	<0.003	<0.003
Phenol	7.3E+00	<0.003	<0.003	<0.003
Pyrene	7.3E-01	<0.006	<0.006	<0.006
Pyridine	2.4E-02	<0.015	<0.015	<0.015

Table 2
Summary of Groundwater Sample Analysis Results
City of Houston
Gessner and Westplace
March 5, 2010

Parameter	Residential Assessment Levels (RALs)	Well Identification		
		MW-1	MW-2	MW-3
Units	mg/L			
Metals by Method SW-846 6020A and Mercury by SW-846 7470A				
Arsenic	1.0E-02	0.002	0.00091 J	0.00087 J
Barium	2.0E+00	0.508	0.388	0.242
Cadmium	5.0E-03	<0.0002	<0.0002	<0.0002
Chromium	1.0E-01	0.001	<0.0002	0.00024 J
Lead	1.5E-02	0.00063 J	<0.0002	<0.0002
Selenium	5.0E-02	0.00024 J	<0.001	<0.001
Silver	1.2E-01	<0.0002	<0.0002	<0.0002
Mercury	2.0E-03	<0.00003	<0.00003	<0.00003

Notes
< - Concentration not detected above the Sample Detection Limit (SDL).

J - Concentration estimated between the method quantitation limit (MQL) and the SDL.
NA - not analyzed
BOLD- Chemical of concern detected
SDL exceeds RAL.
All samples were collected on March 5, 2010.

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS

Laboratory Analysis Report

Total Number of Pages: 98

Job ID : 10030257

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
138936 / City of Houston South Gessner Phase II / Houston, TX

Report To :

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Client Address: 10777 Westheimer, Suite 925
City, State, Zip: Houston , TX, 77042

P.O.#.:
Sample Collected By: Ben Camacho
Date Collected: 03/03/10

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
MW-1-0-2'	Soil	10030257.01
MW-1-25-27'	Soil	10030257.02
MW-2-0-2'	Soil	10030257.03
MW-2-16-18'	Soil	10030257.04
MW-3-0-2'	Soil	10030257.05
MW-3-13-15'	Soil	10030257.06
Dup-1	Soil	10030257.07
EB-1	Water	10030257.08
FB-1	Water	10030257.09

Released By: Rita Wells
Title: QA Officer
Date: 3/15/2010

This Laboratory is NELAP (T104704213-09-TX) accredited. Effective: 07/01/2009; Expires: 06/30/2010
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 03/05/2010 11:15

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	17.9				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.42		0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7440-39-3	Barium	208		0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7440-43-9	Cadmium	BRL	U	0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7440-47-3	Chromium	12.8		0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7439-92-1	Lead	13.6		0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7782-49-2	Selenium	BRL	U	0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53
7440-22-4	Silver	BRL	U	0.373	0.3	0.25	500	mg/Kg	1.02	03/10/10 14:53

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.009	J	0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 21:45
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 21:45
96-18-4	1,2,3-Trichloropropane	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 21:45
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 21:45
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.005	0.0045	0.005	0.05	mg/Kg	1	03/05/10 21:45
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
541-73-1	1,3-Dichlorobenzene	BRL	U	0.003	0.0027	0.005	0.05	mg/Kg	1	03/05/10 21:45
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 21:45
108-86-1	Bromobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 21:45
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
74-83-9	Bromomethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
56-23-5	Carbon tetrachloride	BRL	U,V1	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-00-3	Chloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
74-87-3	Chloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 21:45
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
98-82-8	Isopropylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.005	0.0045	0.01	0.1	mg/Kg	1	03/05/10 21:45
78-93-3	MEK	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 21:45
91-20-3	Naphthalene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 21:45
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
95-47-6	o-Xylene	BRL	U	0.002	0.0020	0.005	0.05	mg/Kg	1	03/05/10 21:45
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
100-42-5	Styrene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 21:45
75-01-4	Vinyl Chloride	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 21:45
	Xylenes	BRL	U	0.006	0.005	0.005	0.15	mg/Kg	1	03/05/10 21:45
17060-07-0	1,2-Dichloroethane-d4(surr)	109				70	130	%	1	03/05/10 21:45
1868-53-7	Dibromofluoromethane(surr)	108				70	130	%	1	03/05/10 21:45
2037-26-5	Toluene-d8(surr)	99.9				70	130	%	1	03/05/10 21:45
460-00-4	p-Bromofluorobenzene(surr)	107				70	130	%	1	03/05/10 21:45

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01
Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
95-50-1	1,2-Dichlorobenzene	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
541-73-1	1,3-Dichlorobenzene	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
106-46-7	1,4-Dichlorobenzene	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
120-83-2	2,4-Dichlorophenol	BRL	U	0.146	0.12	0.333	4	mg/Kg	1	03/08/10 17:01
105-67-9	2,4-Dimethylphenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
51-28-5	2,4-Dinitrophenol	BRL	U	0.146	0.12	0.333	4	mg/Kg	1	03/08/10 17:01
121-14-2	2,4-Dinitrotoluene	BRL	U	0.207	0.17	0.333	4	mg/Kg	1	03/08/10 17:01
606-20-2	2,6-Dinitrotoluene	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
91-58-7	2-Chloronaphthalene	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
95-57-8	2-Chlorophenol	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
91-57-6	2-Methylnaphthalene	BRL	U	0.365	0.30	0.333	4	mg/Kg	1	03/08/10 17:01
95-48-7	2-Methylphenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
88-75-5	2-Nitrophenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 17:01
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
100-02-7	4-Nitrophenol	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
83-32-9	Acenaphthene	BRL	U	0.183	0.15	0.333	4	mg/Kg	1	03/08/10 17:01
208-96-8	Acenaphthylene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
120-12-7	Anthracene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
56-55-3	Benzo(a)anthracene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
50-32-8	Benzo(a)pyrene	BRL	U	0.365	0.30	0.333	4	mg/Kg	1	03/08/10 17:01
205-99-2	Benzo(b)fluoranthene	BRL	U	0.365	0.30	0.333	4	mg/Kg	1	03/08/10 17:01
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.487	0.40	0.333	4	mg/Kg	1	03/08/10 17:01
207-08-9	Benzo(k)fluoranthene	BRL	U	0.183	0.15	0.333	4	mg/Kg	1	03/08/10 17:01
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.365	0.30	0.333	4	mg/Kg	1	03/08/10 17:01
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.146	0.12	0.333	4	mg/Kg	1	03/08/10 17:01
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
85-68-7	Butyl benzyl phthalate	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
218-01-9	Chrysene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01
Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
84-66-2	Diethyl phthalate	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 17:01
131-11-3	Dimethyl phthalate	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
84-74-2	Di-n-butyl phthalate	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
117-84-0	Di-n-octyl Phthalate	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
206-44-0	Fluoranthene	BRL	U	0.207	0.17	0.333	4	mg/Kg	1	03/08/10 17:01
86-73-7	Fluorene	BRL	U	0.195	0.16	0.333	4	mg/Kg	1	03/08/10 17:01
118-74-1	Hexachlorobenzene	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 17:01
87-68-3	Hexachlorobutadiene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.146	0.12	0.333	4	mg/Kg	1	03/08/10 17:01
67-72-1	Hexachloroethane	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.244	0.20	0.333	4	mg/Kg	1	03/08/10 17:01
78-59-1	Isophorone	BRL	U	0.158	0.13	0.333	4	mg/Kg	1	03/08/10 17:01
91-20-3	Naphthalene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
98-95-3	Nitrobenzene	BRL	U	0.146	0.12	0.333	4	mg/Kg	1	03/08/10 17:01
62-75-9	N-Nitrosodimethylamine	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 17:01
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 17:01
87-86-5	Pentachlorophenol	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 17:01
85-01-8	Phenanthrene	BRL	U	0.244	0.20	0.333	4	mg/Kg	1	03/08/10 17:01
108-95-2	Phenol	BRL	U	0.134	0.11	0.333	4	mg/Kg	1	03/08/10 17:01
129-00-0	Pyrene	BRL	U	0.219	0.18	0.333	4	mg/Kg	1	03/08/10 17:01
118-79-6	2,4,6-Tribromophenol(surr)	62.8				10	120	%	1	03/08/10 17:01
13127-88-3	Phenol-d6(surr)	52				15	120	%	1	03/08/10 17:01
132-60-8	2-Fluorobiphenyl(surr)	58.6				30	115	%	1	03/08/10 17:01
1718-51-0	p-Terphenyl-d14(surr)	82.9				30	140	%	1	03/08/10 17:01
367-12-4	2-Fluorophenol(surr)	48.4				20	115	%	1	03/08/10 17:01
4165-60-0	Nitrobenzene-d5(surr)	69.5				20	120	%	1	03/08/10 17:01

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-0-2'
A&B Job Sample ID: 10030257.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 08:10
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	17.9

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	17.9	14.7	25	1000	mg/Kg	1	03/05/10 15:31
	>C12-C28	BRL	U	22.4	18.4	25	1000	mg/Kg	1	03/05/10 15:31
	>C28-C35	BRL	U	23.3	19.1	25	1000	mg/Kg	1	03/05/10 15:31
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 15:31
111-85-3	1-Chlorooctane(surr)	112				60	143	%	1	03/05/10 15:31
3386-33-2	Chlorooctadecane(surr)	121				60	150	%	1	03/05/10 15:31

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	24.3				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.83		0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7440-39-3	Barium	111		0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7440-43-9	Cadmium	BRL	U	0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7440-47-3	Chromium	13.4		0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7439-92-1	Lead	8.48		0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7782-49-2	Selenium	BRL	U	0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19
7440-22-4	Silver	BRL	U	0.404	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:19

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.012	J	0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:43

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:17
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-34-3	1,1-Dichloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-35-4	1,1-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
563-58-6	1,1-Dichloropropene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:17
96-18-4	1,2,3-Trichloropropane	BRL	U	0.007	0.005	0.005	0.05	mg/Kg	1	03/05/10 22:17
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:17
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.006	0.0045	0.005	0.05	mg/Kg	1	03/05/10 22:17
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
541-73-1	1,3-Dichlorobenzene	BRL	U	0.004	0.0027	0.005	0.05	mg/Kg	1	03/05/10 22:17
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:17
108-86-1	Bromobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:17
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
74-83-9	Bromomethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
56-23-5	Carbon tetrachloride	BRL	U,V1	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
108-90-7	Chlorobenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-00-3	Chloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
74-87-3	Chloromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:17
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-71-8	Dichlorodifluoromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
100-41-4	Ethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
98-82-8	Isopropylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.006	0.0045	0.01	0.1	mg/Kg	1	03/05/10 22:17
78-93-3	MEK	BRL	U	0.007	0.005	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:17
91-20-3	Naphthalene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:17
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
95-47-6	o-Xylene	BRL	U	0.003	0.0020	0.005	0.05	mg/Kg	1	03/05/10 22:17
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
100-42-5	Styrene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
127-18-4	Tetrachloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:17
75-01-4	Vinyl Chloride	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:17
	Xylenes	BRL	U	0.007	0.005	0.005	0.15	mg/Kg	1	03/05/10 22:17
17060-07-0	1,2-Dichloroethane-d4(surr)	82.8				70	130	%	1	03/05/10 22:17
1868-53-7	Dibromofluoromethane(surr)	106				70	130	%	1	03/05/10 22:17
2037-26-5	Toluene-d8(surr)	101				70	130	%	1	03/05/10 22:17
460-00-4	p-Bromofluorobenzene(surr)	103				70	130	%	1	03/05/10 22:17

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
95-50-1	1,2-Dichlorobenzene	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
541-73-1	1,3-Dichlorobenzene	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
106-46-7	1,4-Dichlorobenzene	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
88-06-2	2,4,6-Trichlorophénol	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
120-83-2	2,4-Dichlorophenol	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 17:34
105-67-9	2,4-Dimethylphenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
51-28-5	2,4-Dinitrophenol	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 17:34
121-14-2	2,4-Dinitrotoluene	BRL	U	0.225	0.17	0.333	4	mg/Kg	1	03/08/10 17:34
606-20-2	2,6-Dinitrotoluene	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
91-58-7	2-Chloronaphthalene	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
95-57-8	2-Chlorophenol	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
91-57-6	2-Methylnaphthalene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 17:34
95-48-7	2-Methylphenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
88-75-5	2-Nitrophenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 17:34
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
100-02-7	4-Nitrophenol	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
83-32-9	Acenaphthene	BRL	U	0.198	0.15	0.333	4	mg/Kg	1	03/08/10 17:34
208-96-8	Acenaphthylene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
120-12-7	Anthracene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
56-55-3	Benzo(a)anthracene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
50-32-8	Benzo(a)pyrene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 17:34
205-99-2	Benzo(b)fluoranthene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 17:34
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.528	0.40	0.333	4	mg/Kg	1	03/08/10 17:34
207-08-9	Benzo(k)fluoranthene	BRL	U	0.198	0.15	0.333	4	mg/Kg	1	03/08/10 17:34
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 17:34
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 17:34
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
85-68-7	Butyl benzyl phthalate	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
218-01-9	Chrysene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
84-66-2	Diethyl phthalate	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 17:34
131-11-3	Dimethyl phthalate	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
84-74-2	Di-n-butyl phthalate	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
117-84-0	Di-n-octyl Phthalate	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
206-44-0	Fluoranthene	BRL	U	0.225	0.17	0.333	4	mg/Kg	1	03/08/10 17:34
86-73-7	Fluorene	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 17:34
118-74-1	Hexachlorobenzene	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 17:34
87-68-3	Hexachlorobutadiene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 17:34
67-72-1	Hexachloroethane	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.264	0.20	0.333	4	mg/Kg	1	03/08/10 17:34
78-59-1	Isophorone	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 17:34
91-20-3	Naphthalene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
98-95-3	Nitrobenzene	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 17:34
62-75-9	N-Nitrosodimethylamine	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 17:34
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 17:34
87-86-5	Pentachlorophenol	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 17:34
85-01-8	Phenanthrene	BRL	U	0.264	0.20	0.333	4	mg/Kg	1	03/08/10 17:34
108-95-2	Phenol	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 17:34
129-00-0	Pyrene	BRL	U	0.238	0.18	0.333	4	mg/Kg	1	03/08/10 17:34
118-79-6	2,4,6-Tribromophenol(surr)	60.6				10	120	%	1	03/08/10 17:34
13127-88-3	Phenol-d6(surr)	60.6				15	120	%	1	03/08/10 17:34
132-60-8	2-Fluorobiphenyl(surr)	71.4				30	115	%	1	03/08/10 17:34
1718-51-0	p-Terphenyl-d14(surr)	68.8				30	140	%	1	03/08/10 17:34
367-12-4	2-Fluorophenol(surr)	54.3				20	115	%	1	03/08/10 17:34
4165-60-0	Nitrobenzene-d5(surr)	80.5				20	120	%	1	03/08/10 17:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1-25-27'
A&B Job Sample ID: 10030257.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 08:40
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	19.4	14.7	25	1000	mg/Kg	1	03/05/10 15:52
	>C12-C28	BRL	U	24.3	18.4	25	1000	mg/Kg	1	03/05/10 15:52
	>C28-C35	BRL	U	25.2	19.1	25	1000	mg/Kg	1	03/05/10 15:52
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 15:52
111-85-3	1-Chlorooctane(surr)	108				60	143	%	1	03/05/10 15:52
3386-33-2	Chlorooctadecane(surr)	117				60	150	%	1	03/05/10 15:52

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	18.3				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	1.93		0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7440-39-3	Barium	187		0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7440-43-9	Cadmium	BRL	U	0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7440-47-3	Chromium	13.3		0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7439-92-1	Lead	7.75		0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7782-49-2	Selenium	BRL	U	0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25
7440-22-4	Silver	BRL	U	0.375	0.3	0.25	500	mg/Kg	1.02	03/10/10 15:25

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.013		0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:46

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:49
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:49
96-18-4	1,2,3-Trichloropropane	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 22:49
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:49
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.006	0.0045	0.005	0.05	mg/Kg	1	03/05/10 22:49
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
541-73-1	1,3-Dichlorobenzene	BRL	U	0.003	0.0027	0.005	0.05	mg/Kg	1	03/05/10 22:49
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:49
108-86-1	Bromobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:49
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
74-83-9	Bromomethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
56-23-5	Carbon tetrachloride	BRL	U,V1	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-00-3	Chloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
74-87-3	Chloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:49
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
98-82-8	Isopropylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.006	0.0045	0.01	0.1	mg/Kg	1	03/05/10 22:49
78-93-3	MEK	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 22:49
91-20-3	Naphthalene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/05/10 22:49
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
95-47-6	o-Xylene	BRL	U	0.002	0.0020	0.005	0.05	mg/Kg	1	03/05/10 22:49
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
100-42-5	Styrene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 22:49
75-01-4	Vinyl Chloride	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/05/10 22:49
	Xylenes	BRL	U	0.006	0.005	0.005	0.15	mg/Kg	1	03/05/10 22:49
17060-07-0	1,2-Dichloroethane-d4(surr)	87.3				70	130	%	1	03/05/10 22:49
1868-53-7	Dibromofluoromethane(surr)	114				70	130	%	1	03/05/10 22:49
2037-26-5	Toluene-d8(surr)	101				70	130	%	1	03/05/10 22:49
460-00-4	p-Bromofluorobenzene(surr)	105				70	130	%	1	03/05/10 22:49

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
95-50-1	1,2-Dichlorobenzene	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
541-73-1	1,3-Dichlorobenzene	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
106-46-7	1,4-Dichlorobenzene	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
120-83-2	2,4-Dichlorophenol	BRL	U	0.147	0.12	0.333	4	mg/Kg	1	03/08/10 18:06
105-67-9	2,4-Dimethylphenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
51-28-5	2,4-Dinitrophenol	BRL	U	0.147	0.12	0.333	4	mg/Kg	1	03/08/10 18:06
121-14-2	2,4-Dinitrotoluene	BRL	U	0.208	0.17	0.333	4	mg/Kg	1	03/08/10 18:06
606-20-2	2,6-Dinitrotoluene	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
91-58-7	2-Chloronaphthalene	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
95-57-8	2-Chlorophenol	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
91-57-6	2-Methylnaphthalene	BRL	U	0.367	0.30	0.333	4	mg/Kg	1	03/08/10 18:06
95-48-7	2-Methylphenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
88-75-5	2-Nitrophenol	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 18:06
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
100-02-7	4-Nitrophenol	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
83-32-9	Acenaphthene	BRL	U	0.184	0.15	0.333	4	mg/Kg	1	03/08/10 18:06
208-96-8	Acenaphthylene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
120-12-7	Anthracene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
56-55-3	Benzo(a)anthracene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
50-32-8	Benzo(a)pyrene	BRL	U	0.367	0.30	0.333	4	mg/Kg	1	03/08/10 18:06
205-99-2	Benzo(b)fluoranthene	BRL	U	0.367	0.30	0.333	4	mg/Kg	1	03/08/10 18:06
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.490	0.40	0.333	4	mg/Kg	1	03/08/10 18:06
207-08-9	Benzo(k)fluoranthene	BRL	U	0.184	0.15	0.333	4	mg/Kg	1	03/08/10 18:06
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.367	0.30	0.333	4	mg/Kg	1	03/08/10 18:06
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.147	0.12	0.333	4	mg/Kg	1	03/08/10 18:06
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
85-68-7	Butyl benzyl phthalate	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
218-01-9	Chrysene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
84-66-2	Diethyl phthalate	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 18:06
131-11-3	Dimethyl phthalate	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
84-74-2	Di-n-butyl phthalate	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
117-84-0	Di-n-octyl Phthalate	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
206-44-0	Fluoranthene	BRL	U	0.208	0.17	0.333	4	mg/Kg	1	03/08/10 18:06
86-73-7	Fluorene	BRL	U	0.196	0.16	0.333	4	mg/Kg	1	03/08/10 18:06
118-74-1	Hexachlorobenzene	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 18:06
87-68-3	Hexachlorobutadiene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.147	0.12	0.333	4	mg/Kg	1	03/08/10 18:06
67-72-1	Hexachloroethane	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.245	0.20	0.333	4	mg/Kg	1	03/08/10 18:06
78-59-1	Isophorone	BRL	U	0.159	0.13	0.333	4	mg/Kg	1	03/08/10 18:06
91-20-3	Naphthalene	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
98-95-3	Nitrobenzene	BRL	U	0.147	0.12	0.333	4	mg/Kg	1	03/08/10 18:06
62-75-9	N-Nitrosodimethylamine	BRL	U	0.110	0.09	0.333	4	mg/Kg	1	03/08/10 18:06
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.122	0.10	0.333	4	mg/Kg	1	03/08/10 18:06
87-86-5	Pentachlorophenol	BRL	U	0.171	0.14	0.333	4	mg/Kg	1	03/08/10 18:06
85-01-8	Phenanthrene	BRL	U	0.245	0.20	0.333	4	mg/Kg	1	03/08/10 18:06
108-95-2	Phenol	BRL	U	0.135	0.11	0.333	4	mg/Kg	1	03/08/10 18:06
129-00-0	Pyrene	BRL	U	0.220	0.18	0.333	4	mg/Kg	1	03/08/10 18:06
118-79-6	2,4,6-Tribromophenol(surr)	64.6				10	120	%	1	03/08/10 18:06
13127-88-3	Phenol-d6(surr)	59.9				15	120	%	1	03/08/10 18:06
132-60-8	2-Fluorobiphenyl(surr)	64.9				30	115	%	1	03/08/10 18:06
1718-51-0	p-Terphenyl-d14(surr)	99.5				30	140	%	1	03/08/10 18:06
367-12-4	2-Fluorophenol(surr)	49.1				20	115	%	1	03/08/10 18:06
4165-60-0	Nitrobenzene-d5(surr)	73.6				20	120	%	1	03/08/10 18:06

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-0-2'
A&B Job Sample ID: 10030257.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 11:40
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	18.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	18	14.7	25	1000	mg/Kg	1	03/05/10 16:13
	>C12-C28	BRL	U	22.5	18.4	25	1000	mg/Kg	1	03/05/10 16:13
	>C28-C35	BRL	U	23.4	19.1	25	1000	mg/Kg	1	03/05/10 16:13
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 16:13
111-85-3	1-Chlorooctane(surr)	113				60	143	%	1	03/05/10 16:13
3386-33-2	Chlorooctadecane(surr)	118				60	150	%	1	03/05/10 16:13

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	22.8				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.60		0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7440-39-3	Barium	127		0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7440-43-9	Cadmium	BRL	U	0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7440-47-3	Chromium	11.3		0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7439-92-1	Lead	7.70		0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7782-49-2	Selenium	BRL	U	0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31
7440-22-4	Silver	BRL	U	0.389	0.3	0.25	500	mg/Kg	1	03/10/10 15:31

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.007	J	0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 23:21
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-34-3	1,1-Dichloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-35-4	1,1-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
563-58-6	1,1-Dichloropropene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 23:21
96-18-4	1,2,3-Trichloropropane	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 23:21
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 23:21
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.006	0.0045	0.005	0.05	mg/Kg	1	03/05/10 23:21
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
541-73-1	1,3-Dichlorobenzene	BRL	U	0.003	0.0027	0.005	0.05	mg/Kg	1	03/05/10 23:21
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 23:21
108-86-1	Bromobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 23:21
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
74-83-9	Bromomethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
56-23-5	Carbon tetrachloride	BRL	U,V1	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
108-90-7	Chlorobenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-00-3	Chloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
74-87-3	Chloromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 23:21
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-71-8	Dichlorodifluoromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
100-41-4	Ethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
98-82-8	Isopropylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.006	0.0045	0.01	0.1	mg/Kg	1	03/05/10 23:21
78-93-3	MEK	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/05/10 23:21
91-20-3	Naphthalene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/05/10 23:21
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
95-47-6	o-Xylene	BRL	U	0.003	0.0020	0.005	0.05	mg/Kg	1	03/05/10 23:21
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
100-42-5	Styrene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
127-18-4	Tetrachloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/05/10 23:21
75-01-4	Vinyl Chloride	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/05/10 23:21
	Xylenes	BRL	U	0.006	0.005	0.005	0.15	mg/Kg	1	03/05/10 23:21
17060-07-0	1,2-Dichloroethane-d4(surr)	102				70	130	%	1	03/05/10 23:21
1868-53-7	Dibromofluoromethane(surr)	111				70	130	%	1	03/05/10 23:21
2037-26-5	Toluene-d8(surr)	103				70	130	%	1	03/05/10 23:21
460-00-4	p-Bromofluorobenzene(surr)	102				70	130	%	1	03/05/10 23:21

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
95-50-1	1,2-Dichlorobenzene	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
541-73-1	1,3-Dichlorobenzene	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
106-46-7	1,4-Dichlorobenzene	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
120-83-2	2,4-Dichlorophenol	BRL	U	0.155	0.12	0.333	4	mg/Kg	1	03/08/10 18:38
105-67-9	2,4-Dimethylphenol	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
51-28-5	2,4-Dinitrophenol	BRL	U	0.155	0.12	0.333	4	mg/Kg	1	03/08/10 18:38
121-14-2	2,4-Dinitrotoluene	BRL	U	0.220	0.17	0.333	4	mg/Kg	1	03/08/10 18:38
606-20-2	2,6-Dinitrotoluene	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
91-58-7	2-Chloronaphthalene	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
95-57-8	2-Chlorophenol	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
91-57-6	2-Methylnaphthalene	BRL	U	0.389	0.30	0.333	4	mg/Kg	1	03/08/10 18:38
95-48-7	2-Methylphenol	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
88-75-5	2-Nitrophenol	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.181	0.14	0.333	4	mg/Kg	1	03/08/10 18:38
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
100-02-7	4-Nitrophenol	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
83-32-9	Acenaphthene	BRL	U	0.194	0.15	0.333	4	mg/Kg	1	03/08/10 18:38
208-96-8	Acenaphthylene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
120-12-7	Anthracene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
56-55-3	Benzo(a)anthracene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
50-32-8	Benzo(a)pyrene	BRL	U	0.389	0.30	0.333	4	mg/Kg	1	03/08/10 18:38
205-99-2	Benzo(b)fluoranthene	BRL	U	0.389	0.30	0.333	4	mg/Kg	1	03/08/10 18:38
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.518	0.40	0.333	4	mg/Kg	1	03/08/10 18:38
207-08-9	Benzo(k)fluoranthene	BRL	U	0.194	0.15	0.333	4	mg/Kg	1	03/08/10 18:38
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.389	0.30	0.333	4	mg/Kg	1	03/08/10 18:38
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.155	0.12	0.333	4	mg/Kg	1	03/08/10 18:38
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
85-68-7	Butyl benzyl phthalate	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
218-01-9	Chrysene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04
Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
84-66-2	Diethyl phthalate	BRL	U	0.181	0.14	0.333	4	mg/Kg	1	03/08/10 18:38
131-11-3	Dimethyl phthalate	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
84-74-2	Di-n-butyl phthalate	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
117-84-0	Di-n-octyl Phthalate	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
206-44-0	Fluoranthene	BRL	U	0.220	0.17	0.333	4	mg/Kg	1	03/08/10 18:38
86-73-7	Fluorene	BRL	U	0.207	0.16	0.333	4	mg/Kg	1	03/08/10 18:38
118-74-1	Hexachlorobenzene	BRL	U	0.181	0.14	0.333	4	mg/Kg	1	03/08/10 18:38
87-68-3	Hexachlorobutadiene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.155	0.12	0.333	4	mg/Kg	1	03/08/10 18:38
67-72-1	Hexachloroethane	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.259	0.20	0.333	4	mg/Kg	1	03/08/10 18:38
78-59-1	Isophorone	BRL	U	0.168	0.13	0.333	4	mg/Kg	1	03/08/10 18:38
91-20-3	Naphthalene	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
98-95-3	Nitrobenzene	BRL	U	0.155	0.12	0.333	4	mg/Kg	1	03/08/10 18:38
62-75-9	N-Nitrosodimethylamine	BRL	U	0.117	0.09	0.333	4	mg/Kg	1	03/08/10 18:38
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.130	0.10	0.333	4	mg/Kg	1	03/08/10 18:38
87-86-5	Pentachlorophenol	BRL	U	0.181	0.14	0.333	4	mg/Kg	1	03/08/10 18:38
85-01-8	Phenanthrene	BRL	U	0.259	0.20	0.333	4	mg/Kg	1	03/08/10 18:38
108-95-2	Phenol	BRL	U	0.142	0.11	0.333	4	mg/Kg	1	03/08/10 18:38
129-00-0	Pyrene	BRL	U	0.233	0.18	0.333	4	mg/Kg	1	03/08/10 18:38
118-79-6	2,4,6-Tribromophenol(surr)	77.6				10	120	%	1	03/08/10 18:38
13127-88-3	Phenol-d6(surr)	67.5				15	120	%	1	03/08/10 18:38
132-60-8	2-Fluorobiphenyl(surr)	75.8				30	115	%	1	03/08/10 18:38
1718-51-0	p-Terphenyl-d14(surr)	103				30	140	%	1	03/08/10 18:38
367-12-4	2-Fluorophenol(surr)	55.4				20	115	%	1	03/08/10 18:38
4165-60-0	Nitrobenzene-d5(surr)	82.2				20	120	%	1	03/08/10 18:38

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2-16-18'
A&B Job Sample ID: 10030257.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 12:00
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	22.8

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	19	14.7	25	1000	mg/Kg	1	03/05/10 15:10
	>C12-C28	BRL	U	23.8	18.4	25	1000	mg/Kg	1	03/05/10 15:10
	>C28-C35	BRL	U	24.7	19.1	25	1000	mg/Kg	1	03/05/10 15:10
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 15:10
111-85-3	1-Chlorooctane(surr)	113				60	143	%	1	03/05/10 15:10
3386-33-2	Chlorooctadecane(surr)	123				60	150	%	1	03/05/10 15:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	15.1				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.15		0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7440-39-3	Barium	122		0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7440-43-9	Cadmium	BRL	U	0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7440-47-3	Chromium	8.67		0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7439-92-1	Lead	9.22		0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7782-49-2	Selenium	BRL	U	0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04
7440-22-4	Silver	BRL	U	0.367	0.3	0.25	500	mg/Kg	1.04	03/10/10 16:04

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.022		0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:53

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:24
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:24
96-18-4	1,2,3-Trichloropropane	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/06/10 00:24
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:24
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.005	0.0045	0.005	0.05	mg/Kg	1	03/06/10 00:24
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
541-73-1	1,3-Dichlorobenzene	BRL	U	0.003	0.0027	0.005	0.05	mg/Kg	1	03/06/10 00:24
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:24
108-86-1	Bromobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:24
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
74-83-9	Bromomethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
56-23-5	Carbon tetrachloride	BRL	U,V1	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-00-3	Chloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
74-87-3	Chloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031223
Prep Method: SW-846 5035A
Prepared By: Whuimei
Prep Batch ID PB10030540

Analyst Initial HW

Sample Matrix Soil
Date Collected 03/03/2010 13:10
Date Received 03/05/2010 11:15
Date Prepared 03/05/2010 16:50

% Moisture 15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:24
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
98-82-8	Isopropylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.005	0.0045	0.01	0.1	mg/Kg	1	03/06/10 00:24
78-93-3	MEK	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:24
91-20-3	Naphthalene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:24
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
95-47-6	o-Xylene	BRL	U	0.002	0.0020	0.005	0.05	mg/Kg	1	03/06/10 00:24
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
100-42-5	Styrene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:24
75-01-4	Vinyl Chloride	BRL	U	0.002	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:24
	Xylenes	BRL	U	0.006	0.005	0.005	0.15	mg/Kg	1	03/06/10 00:24
17060-07-0	1,2-Dichloroethane-d4(surr)	93.3				70	130	%	1	03/06/10 00:24
1868-53-7	Dibromofluoromethane(surr)	113				70	130	%	1	03/06/10 00:24
2037-26-5	Toluene-d8(surr)	97				70	130	%	1	03/06/10 00:24
460-00-4	p-Bromofluorobenzene(surr)	103				70	130	%	1	03/06/10 00:24

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
95-50-1	1,2-Dichlorobenzene	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
541-73-1	1,3-Dichlorobenzene	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
106-46-7	1,4-Dichlorobenzene	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
120-83-2	2,4-Dichlorophenol	BRL	U	0.141	0.12	0.333	4	mg/Kg	1	03/08/10 13:08
105-67-9	2,4-Dimethylphenol	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
51-28-5	2,4-Dinitrophenol	BRL	U	0.141	0.12	0.333	4	mg/Kg	1	03/08/10 13:08
121-14-2	2,4-Dinitrotoluene	BRL	U	0.200	0.17	0.333	4	mg/Kg	1	03/08/10 13:08
606-20-2	2,6-Dinitrotoluene	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
91-58-7	2-Chloronaphthalene	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
95-57-8	2-Chlorophenol	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
91-57-6	2-Methylnaphthalene	BRL	U	0.353	0.30	0.333	4	mg/Kg	1	03/08/10 13:08
95-48-7	2-Methylphenol	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
88-75-5	2-Nitrophenol	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.165	0.14	0.333	4	mg/Kg	1	03/08/10 13:08
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
100-02-7	4-Nitrophenol	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
83-32-9	Acenaphthene	BRL	U	0.177	0.15	0.333	4	mg/Kg	1	03/08/10 13:08
208-96-8	Acenaphthylene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
120-12-7	Anthracene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
56-55-3	Benzo(a)anthracene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
50-32-8	Benzo(a)pyrene	BRL	U	0.353	0.30	0.333	4	mg/Kg	1	03/08/10 13:08
205-99-2	Benzo(b)fluoranthene	BRL	U	0.353	0.30	0.333	4	mg/Kg	1	03/08/10 13:08
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.471	0.40	0.333	4	mg/Kg	1	03/08/10 13:08
207-08-9	Benzo(k)fluoranthene	BRL	U	0.177	0.15	0.333	4	mg/Kg	1	03/08/10 13:08
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.353	0.30	0.333	4	mg/Kg	1	03/08/10 13:08
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.141	0.12	0.333	4	mg/Kg	1	03/08/10 13:08
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
85-68-7	Butyl benzyl phthalate	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
218-01-9	Chrysene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
84-66-2	Diethyl phthalate	BRL	U	0.165	0.14	0.333	4	mg/Kg	1	03/08/10 13:08
131-11-3	Dimethyl phthalate	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
84-74-2	Di-n-butyl phthalate	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
117-84-0	Di-n-octyl Phthalate	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
206-44-0	Fluoranthene	BRL	U	0.200	0.17	0.333	4	mg/Kg	1	03/08/10 13:08
86-73-7	Fluorene	BRL	U	0.188	0.16	0.333	4	mg/Kg	1	03/08/10 13:08
118-74-1	Hexachlorobenzene	BRL	U	0.165	0.14	0.333	4	mg/Kg	1	03/08/10 13:08
87-68-3	Hexachlorobutadiene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.141	0.12	0.333	4	mg/Kg	1	03/08/10 13:08
67-72-1	Hexachloroethane	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.236	0.20	0.333	4	mg/Kg	1	03/08/10 13:08
78-59-1	Isophorone	BRL	U	0.153	0.13	0.333	4	mg/Kg	1	03/08/10 13:08
91-20-3	Naphthalene	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
98-95-3	Nitrobenzene	BRL	U	0.141	0.12	0.333	4	mg/Kg	1	03/08/10 13:08
62-75-9	N-Nitrosodimethylamine	BRL	U	0.106	0.09	0.333	4	mg/Kg	1	03/08/10 13:08
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.118	0.10	0.333	4	mg/Kg	1	03/08/10 13:08
87-86-5	Pentachlorophenol	BRL	U	0.165	0.14	0.333	4	mg/Kg	1	03/08/10 13:08
85-01-8	Phenanthrene	BRL	U	0.236	0.20	0.333	4	mg/Kg	1	03/08/10 13:08
108-95-2	Phenol	BRL	U	0.130	0.11	0.333	4	mg/Kg	1	03/08/10 13:08
129-00-0	Pyrene	BRL	U	0.212	0.18	0.333	4	mg/Kg	1	03/08/10 13:08
118-79-6	2,4,6-Tribromophenol(surr)	54.1				10	120	%	1	03/08/10 13:08
13127-88-3	Phenol-d6(surr)	49.7				15	120	%	1	03/08/10 13:08
132-60-8	2-Fluorobiphenyl(surr)	35				30	115	%	1	03/08/10 13:08
1718-51-0	p-Terphenyl-d14(surr)	104				30	140	%	1	03/08/10 13:08
367-12-4	2-Fluorophenol(surr)	42.9				20	115	%	1	03/08/10 13:08
4165-60-0	Nitrobenzene-d5(surr)	57.2				20	120	%	1	03/08/10 13:08

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-0-2'
A&B Job Sample ID: 10030257.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 13:10
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	15.1

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	17.3	14.7	25	1000	mg/Kg	1	03/05/10 15:39
	>C12-C28	BRL	U	21.7	18.4	25	1000	mg/Kg	1	03/05/10 15:39
	>C28-C35	BRL	U	22.5	19.1	25	1000	mg/Kg	1	03/05/10 15:39
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 15:39
111-85-3	1-Chlorooctane(surr)	108				60	143	%	1	03/05/10 15:39
3386-33-2	Chlorooctadecane(surr)	115				60	150	%	1	03/05/10 15:39

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	20				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	2.74		0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7440-39-3	Barium	56.4		0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7440-43-9	Cadmium	BRL	U	0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7440-47-3	Chromium	7.12		0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7439-92-1	Lead	4.80		0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7782-49-2	Selenium	BRL	U	0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10
7440-22-4	Silver	BRL	U	0.375	0.3	0.25	500	mg/Kg	1	03/10/10 16:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.016		0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:56

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:56
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-34-3	1,1-Dichloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-35-4	1,1-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
563-58-6	1,1-Dichloropropene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:56
96-18-4	1,2,3-Trichloropropane	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/06/10 00:56
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:56
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.006	0.0045	0.005	0.05	mg/Kg	1	03/06/10 00:56
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
541-73-1	1,3-Dichlorobenzene	BRL	U	0.003	0.0027	0.005	0.05	mg/Kg	1	03/06/10 00:56
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:56
108-86-1	Bromobenzene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:56
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
74-83-9	Bromomethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
56-23-5	Carbon tetrachloride	BRL	U,V1	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
108-90-7	Chlorobenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-00-3	Chloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
74-87-3	Chloromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:56
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-71-8	Dichlorodifluoromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
100-41-4	Ethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
98-82-8	Isopropylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.006	0.0045	0.01	0.1	mg/Kg	1	03/06/10 00:56
78-93-3	MEK	BRL	U	0.006	0.005	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 00:56
91-20-3	Naphthalene	BRL	U	0.004	0.0035	0.005	0.05	mg/Kg	1	03/06/10 00:56
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
95-47-6	o-Xylene	BRL	U	0.003	0.0020	0.005	0.05	mg/Kg	1	03/06/10 00:56
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
100-42-5	Styrene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
127-18-4	Tetrachloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 00:56
75-01-4	Vinyl Chloride	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 00:56
	Xylenes	BRL	U	0.006	0.005	0.005	0.15	mg/Kg	1	03/06/10 00:56
17060-07-0	1,2-Dichloroethane-d4(surr)	80.4				70	130	%	1	03/06/10 00:56
1868-53-7	Dibromofluoromethane(surr)	104				70	130	%	1	03/06/10 00:56
2037-26-5	Toluene-d8(surr)	105				70	130	%	1	03/06/10 00:56
460-00-4	p-Bromofluorobenzene(surr)	108				70	130	%	1	03/06/10 00:56

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
95-50-1	1,2-Dichlorobenzene	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
541-73-1	1,3-Dichlorobenzene	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
106-46-7	1,4-Dichlorobenzene	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
120-83-2	2,4-Dichlorophenol	BRL	U	0.150	0.12	0.333	4	mg/Kg	1	03/08/10 19:10
105-67-9	2,4-Dimethylphenol	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
51-28-5	2,4-Dinitrophenol	BRL	U	0.150	0.12	0.333	4	mg/Kg	1	03/08/10 19:10
121-14-2	2,4-Dinitrotoluene	BRL	U	0.213	0.17	0.333	4	mg/Kg	1	03/08/10 19:10
606-20-2	2,6-Dinitrotoluene	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
91-58-7	2-Chloronaphthalene	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
95-57-8	2-Chlorophenol	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
91-57-6	2-Methylnaphthalene	BRL	U	0.375	0.30	0.333	4	mg/Kg	1	03/08/10 19:10
95-48-7	2-Methylphenol	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
88-75-5	2-Nitrophenol	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.175	0.14	0.333	4	mg/Kg	1	03/08/10 19:10
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
100-02-7	4-Nitrophenol	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
83-32-9	Acenaphthene	BRL	U	0.188	0.15	0.333	4	mg/Kg	1	03/08/10 19:10
208-96-8	Acenaphthylene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
120-12-7	Anthracene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
56-55-3	Benzo(a)anthracene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
50-32-8	Benzo(a)pyrene	BRL	U	0.375	0.30	0.333	4	mg/Kg	1	03/08/10 19:10
205-99-2	Benzo(b)fluoranthene	BRL	U	0.375	0.30	0.333	4	mg/Kg	1	03/08/10 19:10
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.500	0.40	0.333	4	mg/Kg	1	03/08/10 19:10
207-08-9	Benzo(k)fluoranthene	BRL	U	0.188	0.15	0.333	4	mg/Kg	1	03/08/10 19:10
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.375	0.30	0.333	4	mg/Kg	1	03/08/10 19:10
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.150	0.12	0.333	4	mg/Kg	1	03/08/10 19:10
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
85-68-7	Butyl benzyl phthalate	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
218-01-9	Chrysene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
84-66-2	Diethyl phthalate	BRL	U	0.175	0.14	0.333	4	mg/Kg	1	03/08/10 19:10
131-11-3	Dimethyl phthalate	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
84-74-2	Di-n-butyl phthalate	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
117-84-0	Di-n-octyl Phthalate	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
206-44-0	Fluoranthene	BRL	U	0.213	0.17	0.333	4	mg/Kg	1	03/08/10 19:10
86-73-7	Fluorene	BRL	U	0.200	0.16	0.333	4	mg/Kg	1	03/08/10 19:10
118-74-1	Hexachlorobenzene	BRL	U	0.175	0.14	0.333	4	mg/Kg	1	03/08/10 19:10
87-68-3	Hexachlorobutadiene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.150	0.12	0.333	4	mg/Kg	1	03/08/10 19:10
67-72-1	Hexachloroethane	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.250	0.20	0.333	4	mg/Kg	1	03/08/10 19:10
78-59-1	Isophorone	BRL	U	0.163	0.13	0.333	4	mg/Kg	1	03/08/10 19:10
91-20-3	Naphthalene	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
98-95-3	Nitrobenzene	BRL	U	0.150	0.12	0.333	4	mg/Kg	1	03/08/10 19:10
62-75-9	N-Nitrosodimethylamine	BRL	U	0.113	0.09	0.333	4	mg/Kg	1	03/08/10 19:10
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.125	0.10	0.333	4	mg/Kg	1	03/08/10 19:10
87-86-5	Pentachlorophenol	BRL	U	0.175	0.14	0.333	4	mg/Kg	1	03/08/10 19:10
85-01-8	Phenanthrene	BRL	U	0.250	0.20	0.333	4	mg/Kg	1	03/08/10 19:10
108-95-2	Phenol	BRL	U	0.138	0.11	0.333	4	mg/Kg	1	03/08/10 19:10
129-00-0	Pyrene	BRL	U	0.225	0.18	0.333	4	mg/Kg	1	03/08/10 19:10
118-79-6	2,4,6-Tribromophenol(surr)	68.9				10	120	%	1	03/08/10 19:10
13127-88-3	Phenol-d6(surr)	65.3				15	120	%	1	03/08/10 19:10
132-60-8	2-Fluorobiphenyl(surr)	74				30	115	%	1	03/08/10 19:10
1718-51-0	p-Terphenyl-d14(surr)	95.3				30	140	%	1	03/08/10 19:10
367-12-4	2-Fluorophenol(surr)	52.9				20	115	%	1	03/08/10 19:10
4165-60-0	Nitrobenzene-d5(surr)	81.2				20	120	%	1	03/08/10 19:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3-13-15'
A&B Job Sample ID: 10030257.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010 13:30
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	20

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	18.4	14.7	25	1000	mg/Kg	1	03/05/10 16:09
	>C12-C28	BRL	U	23	18.4	25	1000	mg/Kg	1	03/05/10 16:09
	>C28-C35	BRL	U	23.9	19.1	25	1000	mg/Kg	1	03/05/10 16:09
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 16:09
111-85-3	1-Chlorooctane(surr)	102				60	143	%	1	03/05/10 16:09
3386-33-2	Chlorooctadecane(surr)	112				60	150	%	1	03/05/10 16:09

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**% Moisture**	Sample Matrix	Soil
Analytical Method:	SM 2540G	Date Collected	03/03/2010
QC Batch ID:	Qb10030920	Date Received	03/05/2010 11:15
Prep Method:	SM 2540G	Date Prepared	03/09/2010 10:55
Prepared By:	Sgarcia		
Prep Batch ID	PB10030922		
Analyst Initial	SG	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	% Moisture	24.3				----	----	%	1	03/09/10 11:10

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Soil
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010
QC Batch ID:	Qb10031123	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3050B	Date Prepared	03/09/2010 14:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031111		
Analyst Initial	SS	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	3.86		0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7440-39-3	Barium	138		0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7440-43-9	Cadmium	BRL	U	0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7440-47-3	Chromium	15.8		0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7439-92-1	Lead	9.34		0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7782-49-2	Selenium	BRL	U	0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16
7440-22-4	Silver	BRL	U	0.396	0.3	0.25	500	mg/Kg	1	03/10/10 16:16

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Soil
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010
QC Batch ID:	Qb10031029	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031027		
Analyst Initial	JP	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.011	J	0.005	0.004	0.01	0.2	mg/Kg	1	03/10/10 19:59

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 01:28
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
79-00-5	1,1,2-Trichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-34-3	1,1-Dichloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-35-4	1,1-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
563-58-6	1,1-Dichloropropene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/06/10 01:28
96-18-4	1,2,3-Trichloropropane	BRL	U	0.007	0.005	0.005	0.05	mg/Kg	1	03/06/10 01:28
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 01:28
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.006	0.0045	0.005	0.05	mg/Kg	1	03/06/10 01:28
106-93-4	1,2-Dibromoethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
107-06-2	1,2-Dichloroethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
78-87-5	1,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
541-73-1	1,3-Dichlorobenzene	BRL	U	0.004	0.0027	0.005	0.05	mg/Kg	1	03/06/10 01:28
142-28-9	1,3-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
594-20-7	2,2-Dichloropropane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
95-49-8	2-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
106-43-4	4-Chlorotoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
99-87-6	4-Isopropyltoluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
71-43-2	Benzene	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 01:28
108-86-1	Bromobenzene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/06/10 01:28
74-97-5	Bromochloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-27-4	Bromodichloromethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-25-2	Bromoform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
74-83-9	Bromomethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
56-23-5	Carbon tetrachloride	BRL	U,V1	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
108-90-7	Chlorobenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-00-3	Chloroethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
67-66-3	Chloroform	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
74-87-3	Chloromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010
QC Batch ID:	Qb10031223	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5035A	Date Prepared	03/05/2010 16:50
Prepared By:	Whuimei		
Prep Batch ID	PB10030540		
Analyst Initial	HW	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 01:28
74-95-3	Dibromomethane	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-71-8	Dichlorodifluoromethane	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
100-41-4	Ethylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
98-82-8	Isopropylbenzene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.006	0.0045	0.01	0.1	mg/Kg	1	03/06/10 01:28
78-93-3	MEK	BRL	U	0.007	0.005	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-09-2	Methylene chloride	BRL	U	0.004	0.003	0.005	0.05	mg/Kg	1	03/06/10 01:28
91-20-3	Naphthalene	BRL	U	0.005	0.0035	0.005	0.05	mg/Kg	1	03/06/10 01:28
104-51-8	n-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
103-65-1	n-Propylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
95-47-6	o-Xylene	BRL	U	0.003	0.0020	0.005	0.05	mg/Kg	1	03/06/10 01:28
135-98-8	sec-Butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
100-42-5	Styrene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
98-06-6	t-butylbenzene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
127-18-4	Tetrachloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
108-88-3	Toluene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
79-01-6	Trichloroethylene	BRL	U	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.003	0.0025	0.005	0.05	mg/Kg	1	03/06/10 01:28
75-01-4	Vinyl Chloride	BRL	U	0.003	0.002	0.005	0.05	mg/Kg	1	03/06/10 01:28
	Xylenes	BRL	U	0.007	0.005	0.005	0.15	mg/Kg	1	03/06/10 01:28
17060-07-0	1,2-Dichloroethane-d4(surr)	96.5				70	130	%	1	03/06/10 01:28
1868-53-7	Dibromofluoromethane(surr)	114				70	130	%	1	03/06/10 01:28
2037-26-5	Toluene-d8(surr)	97.8				70	130	%	1	03/06/10 01:28
460-00-4	p-Bromofluorobenzene(surr)	103				70	130	%	1	03/06/10 01:28

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
95-50-1	1,2-Dichlorobenzene	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
541-73-1	1,3-Dichlorobenzene	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
106-46-7	1,4-Dichlorobenzene	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
120-83-2	2,4-Dichlorophenol	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 19:42
105-67-9	2,4-Dimethylphenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
51-28-5	2,4-Dinitrophenol	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 19:42
121-14-2	2,4-Dinitrotoluene	BRL	U	0.225	0.17	0.333	4	mg/Kg	1	03/08/10 19:42
606-20-2	2,6-Dinitrotoluene	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
91-58-7	2-Chloronaphthalene	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
95-57-8	2-Chlorophenol	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
91-57-6	2-Methylnaphthalene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 19:42
95-48-7	2-Methylphenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
88-75-5	2-Nitrophenol	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 19:42
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
100-02-7	4-Nitrophenol	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
83-32-9	Acenaphthene	BRL	U	0.198	0.15	0.333	4	mg/Kg	1	03/08/10 19:42
208-96-8	Acenaphthylene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
120-12-7	Anthracene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
56-55-3	Benzo(a)anthracene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
50-32-8	Benzo(a)pyrene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 19:42
205-99-2	Benzo(b)fluoranthene	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 19:42
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.528	0.40	0.333	4	mg/Kg	1	03/08/10 19:42
207-08-9	Benzo(k)fluoranthene	BRL	U	0.198	0.15	0.333	4	mg/Kg	1	03/08/10 19:42
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.396	0.30	0.333	4	mg/Kg	1	03/08/10 19:42
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 19:42
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
85-68-7	Butyl benzyl phthalate	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
218-01-9	Chrysene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Soil
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010
QC Batch ID:	Qb10030922	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3545	Date Prepared	03/08/2010 09:58
Prepared By:	Lwang		
Prep Batch ID	PB10030804		
Analyst Initial	ML	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
84-66-2	Diethyl phthalate	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 19:42
131-11-3	Dimethyl phthalate	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
84-74-2	Di-n-butyl phthalate	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
117-84-0	Di-n-octyl Phthalate	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
206-44-0	Fluoranthene	BRL	U	0.225	0.17	0.333	4	mg/Kg	1	03/08/10 19:42
86-73-7	Fluorene	BRL	U	0.211	0.16	0.333	4	mg/Kg	1	03/08/10 19:42
118-74-1	Hexachlorobenzene	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 19:42
87-68-3	Hexachlorobutadiene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 19:42
67-72-1	Hexachloroethane	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.264	0.20	0.333	4	mg/Kg	1	03/08/10 19:42
78-59-1	Isophorone	BRL	U	0.172	0.13	0.333	4	mg/Kg	1	03/08/10 19:42
91-20-3	Naphthalene	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
98-95-3	Nitrobenzene	BRL	U	0.159	0.12	0.333	4	mg/Kg	1	03/08/10 19:42
62-75-9	N-Nitrosodimethylamine	BRL	U	0.119	0.09	0.333	4	mg/Kg	1	03/08/10 19:42
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.132	0.10	0.333	4	mg/Kg	1	03/08/10 19:42
87-86-5	Pentachlorophenol	BRL	U	0.185	0.14	0.333	4	mg/Kg	1	03/08/10 19:42
85-01-8	Phenanthrene	BRL	U	0.264	0.20	0.333	4	mg/Kg	1	03/08/10 19:42
108-95-2	Phenol	BRL	U	0.145	0.11	0.333	4	mg/Kg	1	03/08/10 19:42
129-00-0	Pyrene	BRL	U	0.238	0.18	0.333	4	mg/Kg	1	03/08/10 19:42
118-79-6	2,4,6-Tribromophenol(surr)	65.3				10	120	%	1	03/08/10 19:42
13127-88-3	Phenol-d6(surr)	66.8				15	120	%	1	03/08/10 19:42
132-60-8	2-Fluorobiphenyl(surr)	67.6				30	115	%	1	03/08/10 19:42
1718-51-0	p-Terphenyl-d14(surr)	90.6				30	140	%	1	03/08/10 19:42
367-12-4	2-Fluorophenol(surr)	55.2				20	115	%	1	03/08/10 19:42
4165-60-0	Nitrobenzene-d5(surr)	81				20	120	%	1	03/08/10 19:42

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: Dup-1
A&B Job Sample ID: 10030257.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Petroleum Hydrocarbons**	Sample Matrix	Soil
Analytical Method:	TX 1005	Date Collected	03/03/2010
QC Batch ID:	Qb10030533	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:17
Prepared By:	Dshen		
Prep Batch ID	PB10030527		
Analyst Initial	WS	% Moisture	24.3

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	19.4	14.7	25	1000	mg/Kg	1	03/05/10 16:35
	>C12-C28	BRL	U	24.3	18.4	25	1000	mg/Kg	1	03/05/10 16:35
	>C28-C35	BRL	U	25.2	19.1	25	1000	mg/Kg	1	03/05/10 16:35
	Total C6-C35	BRL				----	----	mg/Kg	1	03/05/10 16:35
111-85-3	1-Chlorooctane(surr)	102				60	143	%	1	03/05/10 16:35
3386-33-2	Chlorooctadecane(surr)	107				60	150	%	1	03/05/10 16:35

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10031127	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:53
7440-39-3	Barium	0.00021	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:53
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:53
7440-47-3	Chromium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:53
7439-92-1	Lead	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:53
7782-49-2	Selenium	BRL	U	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:53
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:53

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10031027	Date Received	03/05/2010 11:15
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	0.00007	J	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 18:50

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10031222	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5030C	Date Prepared	03/05/2010 15:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030512		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 15:33
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/05/10 15:33
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
594-20-7	2,2-Dichloropropane	BRL	U,V1	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 15:33
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 15:33
56-23-5	Carbon tetrachloride	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 15:33
67-66-3	Chloroform	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10031222	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5030C	Date Prepared	03/05/2010 15:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030512		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/05/10 15:33
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 15:33
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 15:33
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 15:33
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 15:33
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 15:33
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 15:33
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/05/10 15:33
17060-07-0	1,2-Dichloroethane-d4(surr)	94				70	130	%	1	03/05/10 15:33
1868-53-7	Dibromofluoromethane(surr)	104				70	130	%	1	03/05/10 15:33
2037-26-5	Toluene-d8(surr)	104				70	130	%	1	03/05/10 15:33
460-00-4	p-Bromofluorobenzene(surr)	104				70	130	%	1	03/05/10 15:33

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08
Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10030923	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1	03/08/10 16:29
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1	03/08/10 16:29
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1	03/08/10 16:29
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1	03/08/10 16:29
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1	03/08/10 16:29
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1	03/08/10 16:29
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1	03/08/10 16:29
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10030923	Date Received	03/05/2010 11:15
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
84-74-2	Di-n-butyl phthalate	BRL	U	0.002	0.002	0.01	0.12	mg/L	1	03/08/10 16:29
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1	03/08/10 16:29
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1	03/08/10 16:29
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1	03/08/10 16:29
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1	03/08/10 16:29
118-79-6	2,4,6-Tribromophenol(surr)	69.5				19	122	%	1.0	03/08/10 16:29
13127-88-3	Phenol-d6(surr)	11.4				10	130	%	1.0	03/08/10 16:29
132-60-8	2-Fluorobiphenyl(surr)	88.6				30	115	%	1.0	03/08/10 16:29
1718-51-0	p-Terphenyl-d14(surr)	96.5				18	137	%	1.0	03/08/10 16:29
367-12-4	2-Fluorophenol(surr)	18.8				15	115	%	1.0	03/08/10 16:29
4165-60-0	Nitrobenzene-d5(surr)	90				23	120	%	1.0	03/08/10 16:29

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-1
A&B Job Sample ID: 10030257.08

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/03/2010 17:00
QC Batch ID:	Qb10030532	Date Received	03/05/2010 11:15
Prep Method:	TX 1005	Date Prepared	03/05/2010 11:25
Prepared By:	Dshen		
Prep Batch ID	PB10030523		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/05/10 15:09
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/05/10 15:09
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/05/10 15:09
	Total C6-C35	BRL				----	----	mg/L	1	03/05/10 15:09
111-85-3	1-Chlorooctane(surr)	92.1				59	122	%	1	03/05/10 15:09
3386-33-2	Chlorooctadecane(surr)	110				48	123	%	1	03/05/10 15:09

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: FB-1
A&B Job Sample ID: 10030257.09

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031222
Prep Method: SW-846 5030C
Prepared By: Whuimei
Prep Batch ID PB10030512

Analyst Initial HW

Sample Matrix Water
Date Collected 03/03/2010 17:10
Date Received 03/05/2010 11:15
Date Prepared 03/05/2010 15:00

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
71-55-6	1,1,1-Trichloroethane	BRL	U,V1	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 16:04
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/05/10 16:04
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
594-20-7	2,2-Dichloropropane	BRL	U,V1	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 16:04
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 16:04
56-23-5	Carbon tetrachloride	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 16:04
67-66-3	Chloroform	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: FB-1
A&B Job Sample ID: 10030257.09

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/03/2010 17:10
QC Batch ID:	Qb10031222	Date Received	03/05/2010 11:15
Prep Method:	SW-846 5030C	Date Prepared	03/05/2010 15:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030512		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/05/10 16:04
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/05/10 16:04
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 16:04
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/05/10 16:04
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/05/10 16:04
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/05/10 16:04
75-69-4	Trichlorofluoromethane	BRL	U,V1	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/05/10 16:04
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/05/10 16:04
17060-07-0	1,2-Dichloroethane-d4(surr)	96.9				70	130	%	1	03/05/10 16:04
1868-53-7	Dibromofluoromethane(surr)	107				70	130	%	1	03/05/10 16:04
2037-26-5	Toluene-d8(surr)	97.3				70	130	%	1	03/05/10 16:04
460-00-4	p-Bromofluorobenzene(surr)	103				70	130	%	1	03/05/10 16:04

Soil results reported on dry weight basis

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Method :** **TX 1005** **Reporting Units : mg/L**

QC Batch ID : Qb10030532 **Created Date :** 03/05/10 **Created By :** Dshen

Samples in This QC Batch : 10030257.08

Sample Preparation : PB10030523 **Prep Method :** TX 1005 **Prep Date :** 03/05/10 11:25 **Prep By :** Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
C6-C12		BRL	mg/L	1	1.5	0.94		
>C12-C28		BRL	mg/L	1	1.5	0.89		
>C28-C35		BRL	mg/L	1	1.5	0.88		
Total C6-C35		BRL	mg/L	1	----			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	30	29.8	99.3	30	31	103	4	20	75-125	
>C12-C28	30	28.7	95.7	30	30.2	101	5.1	20	75-125	
>C28-C35	30	29.8	99.3	30	24.5	81.7	19.5	20	75-125	

QC Type: MS and MSD
QC Sample ID:

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	30	30.6	102						75-125	
>C12-C28	BRL	30	29.4	98						75-125	
>C28-C35	BRL	30	30.3	101						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Total Petroleum Hydrocarbons** **Method :** **TX 1005** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10030533 **Created Date :** 03/05/10 **Created By :** Dshen

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Sample Preparation : PB10030527 **Prep Method :** TX 1005 **Prep Date :** 03/05/10 11:17 **Prep By :** Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
C6-C12		BRL	mg/Kg	1	25	14.7		
>C12-C28		BRL	mg/Kg	1	25	18.4		
>C28-C35		BRL	mg/Kg	1	25	19.1		
Total C6-C35		BRL	mg/Kg	1	----			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	500	515	103	500	518	104	0.6	20	75-125	
>C12-C28	500	511	102	500	462	92.4	10.1	20	75-125	
>C28-C35	500	521	104	500	572	114	9.3	20	75-125	

QC Type: MS and MSD
QC Sample ID: 10030229.03

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	503	101						75-125	
>C12-C28	BRL	500	478	95.2						75-125	
>C28-C35	BRL	500	488	97.6						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **% Moisture** **Method :** **SM 2540G** **Reporting Units :** **%**

QC Batch ID : Qb10030920 **Created Date :** 03/09/10 **Created By :** Sgarcia

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Sample Preparation : PB10030922 **Prep Method :** SM 2540G **Prep Date :** 03/09/10 10:55 **Prep By :** Sgarcia

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
% Moisture		BRL	%	1	----			

QC Type: Duplicate

QC Sample ID: 10030197.03

Parameter	QCSample Result	Sample Result	Units	RPD	RPD CtrlLimit		Qual
% Moisture	13.8	14.5	%	5	20		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10030922 **Created Date :** 03/09/10 **Created By :** Mll

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Extraction : PB10030804 **Prep Method :** SW-846 3545 **Prep Date :** 03/08/10 09:58 **Prep By :** Lwang

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/Kg	1	0.333	0.16		
1,2-Dichlorobenzene	95-50-1	BRL	mg/Kg	1	0.333	0.11		
1,3-Dichlorobenzene	541-73-1	BRL	mg/Kg	1	0.333	0.09		
1,4-Dichlorobenzene	106-46-7	BRL	mg/Kg	1	0.333	0.09		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/Kg	1	0.333	0.13		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/Kg	1	0.333	0.16		
2,4-Dichlorophenol	120-83-2	BRL	mg/Kg	1	0.333	0.12		
2,4-Dimethylphenol	105-67-9	BRL	mg/Kg	1	0.333	0.09		
2,4-Dinitrophenol	51-28-5	BRL	mg/Kg	1	0.333	0.12		
2,4-Dinitrotoluene	121-14-2	BRL	mg/Kg	1	0.333	0.17		
2,6-Dinitrotoluene	606-20-2	BRL	mg/Kg	1	0.333	0.11		
2-Chloronaphthalene	91-58-7	BRL	mg/Kg	1	0.333	0.13		
2-Chlorophenol	95-57-8	BRL	mg/Kg	1	0.333	0.10		
2-Methylnaphthalene	91-57-6	BRL	mg/Kg	1	0.333	0.30		
2-Methylphenol	95-48-7	BRL	mg/Kg	1	0.333	0.09		
2-Nitrophenol	88-75-5	BRL	mg/Kg	1	0.333	0.09		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/Kg	1	0.333	0.13		
4,6-Dinitro-2-methylphenol	534-52-1	BRL	mg/Kg	1	0.333	0.16		
4-Bromophenyl phenyl ethe	101-55-3	BRL	mg/Kg	1	0.333	0.16		
4-Chloro-3-methylphenol	59-50-7	BRL	mg/Kg	1	0.333	0.14		
4-Chlorophenyl pheny ether	7005-72-3	BRL	mg/Kg	1	0.333	0.11		
4-Nitrophenol	100-02-7	BRL	mg/Kg	1	0.333	0.13		
Acenaphthene	83-32-9	BRL	mg/Kg	1	0.333	0.15		
Acenaphthylene	208-96-8	BRL	mg/Kg	1	0.333	0.10		
Anthracene	120-12-7	BRL	mg/Kg	1	0.333	0.10		
Benzo(a)anthracene	56-55-3	BRL	mg/Kg	1	0.333	0.10		
Benzo(a)pyrene	50-32-8	BRL	mg/Kg	1	0.333	0.30		
Benzo(b)fluoranthene	205-99-2	BRL	mg/Kg	1	0.333	0.30		
Benzo(g,h,i)perylene	191-24-2	BRL	mg/Kg	1	0.333	0.40		
Benzo(k)fluoranthene	207-08-9	BRL	mg/Kg	1	0.333	0.15		
Bis(2-chloroethoxy) methan	111-91-1	BRL	mg/Kg	1	0.333	0.10		
Bis(2-chloroethyl) ether	111-44-4	BRL	mg/Kg	1	0.333	0.30		
Bis(2-chloroisopropyl) ether	108-60-1	BRL	mg/Kg	1	0.333	0.12		
Bis(2-ethylhexyl)phthalate	117-81-7	BRL	mg/Kg	1	0.333	0.13		
Butyl benzyl phthalate	85-68-7	BRL	mg/Kg	1	0.333	0.11		
Chrysene	218-01-9	BRL	mg/Kg	1	0.333	0.10		
Dibenzo(a,h)anthracene	53-70-3	BRL	mg/Kg	1	0.333	0.13		
Dibenzofuran	132-64-9	BRL	mg/Kg	1	0.333	0.11		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10030922 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Diethyl phthalate	84-66-2	BRL	mg/Kg	1	0.333	0.14		
Dimethyl phthalate	131-11-3	BRL	mg/Kg	1	0.333	0.11		
Di-n-butyl phthalate	84-74-2	BRL	mg/Kg	1	0.333	0.16		
Di-n-octyl Phthalate	117-84-0	BRL	mg/Kg	1	0.333	0.09		
Fluoranthene	206-44-0	BRL	mg/Kg	1	0.333	0.17		
Fluorene	86-73-7	BRL	mg/Kg	1	0.333	0.16		
Hexachlorobenzene	118-74-1	BRL	mg/Kg	1	0.333	0.14		
Hexachlorobutadiene	87-68-3	BRL	mg/Kg	1	0.333	0.10		
Hexachlorocyclopentadiene	77-47-4	BRL	mg/Kg	1	0.333	0.12		
Hexachloroethane	67-72-1	BRL	mg/Kg	1	0.333	0.10		
Indeno(1,2,3-cd)pyrene	193-39-5	BRL	mg/Kg	1	0.333	0.20		
Isophorone	78-59-1	BRL	mg/Kg	1	0.333	0.13		
Naphthalene	91-20-3	BRL	mg/Kg	1	0.333	0.10		
Nitrobenzene	98-95-3	BRL	mg/Kg	1	0.333	0.12		
N-Nitrosodimethylamine	62-75-9	BRL	mg/Kg	1	0.333	0.09		
N-nitroso-di-n-propylamine	621-64-7	BRL	mg/Kg	1	0.333	0.10		
Pentachlorophenol	87-86-5	BRL	mg/Kg	1	0.333	0.14		
Phenanthrene	85-01-8	BRL	mg/Kg	1	0.333	0.20		
Phenol	108-95-2	BRL	mg/Kg	1	0.333	0.11		
Pyrene	129-00-0	BRL	mg/Kg	1	0.333	0.18		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,4-Trichlorobenzene	1.67	0.989	59.2	1.67	0.957	57.3	3.3	35	32-126	
1,2-Dichlorobenzene	1.67	0.939	56.2	1.67	0.956	57.2	1.8	35	34-118	
1,3-Dichlorobenzene	1.67	0.976	58.4	1.67	0.935	56	4.3	35	34-118	
1,4-Dichlorobenzene	1.67	0.93	55.7	1.67	0.948	56.8	1.9	35	35-115	
2,4,5-Trichlorophenol	1.67	1.02	61.1	1.67	1.1	65.9	7.6	35	35-124	
2,4,6-Trichlorophenol	1.67	1.12	67.1	1.67	1.15	68.9	2.6	35	35-123	
2,4-Dichlorophenol	1.67	0.966	57.8	1.67	0.932	55.8	3.6	35	31-124	
2,4-Dimethylphenol	1.67	1.06	63.5	1.67	1.05	62.9	0.9	35	29-129	
2,4-Dinitrophenol	1.67	0.974	58.3	1.67	0.947	56.7	2.8	35	D-94	
2,4-Dinitrotoluene	1.67	1.14	68.3	1.67	1.16	69.5	1.7	35	42-134	
2,6-Dinitrotoluene	1.67	1.08	64.7	1.67	1.09	65.3	0.9	35	37-128	
2-Chloronaphthalene	1.67	1.02	61.1	1.67	1.04	62.3	1.9	35	37-124	
2-Chlorophenol	1.67	1.04	62.3	1.67	1.01	60.5	2.9	35	26-119	
2-Methylnaphthalene	1.67	0.989	59.2	1.67	0.984	58.9	0.5	35	28-128	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : Semivolatile Organic Compounds **Method :** SW-846 8270D **Reporting Units :** mg/Kg

QC Batch ID : Qb10030922 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
2-Methylphenol	1.67	1.05	62.9	1.67	1.09	65.3	3.7	35	26-125	
2-Nitrophenol	1.67	1.04	62.3	1.67	1.08	64.7	3.8	35	25-123	
3- & 4-Methylphenols	1.67	1.05	62.9	1.67	1.09	65.3	3.7	35	29-118	
4,6-Dinitro-2-methylphenol	1.67	1.01	60.5	1.67	1.03	61.7	2	35	8-129	
4-Bromophenyl phenyl ethe	1.67	1.05	62.9	1.67	1.07	64.1	1.9	35	50-122	
4-Chloro-3-methylphenol	1.67	1.14	68.3	1.67	1.14	68.3	0.0	35	40-127	
4-Chlorophenyl pheny ether	1.67	1.04	62.3	1.67	1.08	64.7	3.8	35	47-125	
4-Nitrophenol	1.67	0.803	48.1	1.67	0.762	45.6	5.2	35	14-138	
Acenaphthene	1.67	1.06	63.5	1.67	1.07	64.1	0.9	35	45-125	
Acenaphthylene	1.67	1.12	67.1	1.67	1.13	67.7	0.9	35	43-118	
Anthracene	1.67	1.08	64.7	1.67	1.06	63.5	1.9	35	53-119	
Benzo(a)anthracene	1.67	1.04	62.3	1.67	1.07	64.1	2.8	35	43-131	
Benzo(a)pyrene	1.67	1.04	62.3	1.67	1.02	61.1	1.9	35	43-126	
Benzo(b)fluoranthene	1.67	1.19	71.3	1.67	1.01	60.5	16.4	35	36-126	
Benzo(g,h,i)perylene	1.67	1.04	62.3	1.67	0.965	57.8	7.5	35	27-126	
Benzo(k)fluoranthene	1.67	0.981	58.7	1.67	1.1	65.9	11.4	35	36-134	
Bis(2-chloroethoxy) methan	1.67	1.03	61.7	1.67	1.03	61.7	0.0	35	33-125	
Bis(2-chloroethyl) ether	1.67	0.953	57.1	1.67	0.899	53.8	5.8	35	30-125	
Bis(2-chloroisopropyl) ether	1.67	1.14	68.3	1.67	1.12	67.1	1.8	35	27-122	
Bis(2-ethylhexyl)phthalate	1.67	0.992	59.4	1.67	1.06	63.5	6.6	35	8-158	
Butyl benzyl phthalate	1.67	0.985	59	1.67	1.07	64.1	8.3	35	50-139	
Chrysene	1.67	1.05	62.9	1.67	1.09	65.3	3.7	35	42-131	
Dibenzo(a,h)anthracene	1.67	0.973	58.3	1.67	0.914	54.7	6.3	35	33-122	
Dibenzofuran	1.67	1.03	61.7	1.67	1.03	61.7	0.0	35	22-122	
Diethyl phthalate	1.67	1.16	69.5	1.67	1.14	68.3	1.7	35	48-126	
Dimethyl phthalate	1.67	1.12	67.1	1.67	1.14	68.3	1.8	35	48-122	
Di-n-butyl phthalate	1.67	1.14	68.3	1.67	1.13	67.7	0.9	35	51-126	
Di-n-octyl Phthalate	1.67	1.05	62.9	1.67	1.08	64.7	2.8	35	50-124	
Fluoranthene	1.67	1.15	68.9	1.67	1.08	64.7	6.3	35	51-125	
Fluorene	1.67	1.05	62.9	1.67	1.08	64.7	2.8	35	48-123	
Hexachlorobenzene	1.67	1.09	65.3	1.67	1.1	65.9	0.9	35	35-130	
Hexachlorobutadiene	1.67	0.973	58.3	1.67	0.959	57.4	1.4	35	31-115	
Hexachlorocyclopentadiene	1.67	0.876	52.5	1.67	0.856	51.3	2.3	35	D-116	
Hexachloroethane	1.67	0.953	57.1	1.67	0.956	57.2	0.3	35	36-114	
Indeno(1,2,3-cd)pyrene	1.67	1.03	61.7	1.67	0.997	59.7	3.3	35	31-135	
Isophorone	1.67	1.31	78.4	1.67	1.21	72.5	7.9	35	30-126	
Naphthalene	1.67	1.06	63.5	1.67	1.05	62.9	0.9	35	32-124	
Nitrobenzene	1.67	1.18	70.7	1.67	1.18	70.7	0.0	35	29-126	
N-Nitrosodimethylamine	1.67	0.957	57.3	1.67	0.967	57.9	1	35	21-121	
N-nitroso-di-n-propylamine	1.67	1.19	71.3	1.67	1.18	70.7	0.8	35	30-128	
Pentachlorophenol	1.67	0.99	59.3	1.67	0.842	50.4	16.2	35	36-117	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10030922 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phenanthrene	1.67	1.12	67.1	1.67	1.08	64.7	3.6	35	45-125	
Phenol	1.67	0.66	39.5	1.67	0.656	39.3	0.6	35	22-118	
Pyrene	1.67	0.936	56	1.67	1.02	61.1	8.6	35	32-138	

QC Type: MS and MSD
QC Sample ID: 10030257.06

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,2,4-Trichlorobenzene	BRL	1.67	1.09	65.3						32-126	
1,2-Dichlorobenzene	BRL	1.67	1.03	61.7						34-118	
1,3-Dichlorobenzene	BRL	1.67	0.977	58.5						34-118	
1,4-Dichlorobenzene	BRL	1.67	0.99	59.3						35-115	
2,4,5-Trichlorophenol	BRL	1.67	1.23	73.7						35-124	
2,4,6-Trichlorophenol	BRL	1.67	1.17	70.1						35-123	
2,4-Dichlorophenol	BRL	1.67	1.14	68.3						31-124	
2,4-Dimethylphenol	BRL	1.67	0.909	54.4						29-129	
2,4-Dinitrophenol	BRL	1.67	0.371	22.2						D-94	
2,4-Dinitrotoluene	BRL	1.67	1.3	77.8						42-134	
2,6-Dinitrotoluene	BRL	1.67	1.29	77.2						37-128	
2-Chloronaphthalene	BRL	1.67	1.01	60.5						37-124	
2-Chlorophenol	BRL	1.67	1.16	69.5						26-119	
2-Methylnaphthalene	BRL	1.67	1.01	60.5						28-128	
2-Methylphenol	BRL	1.67	1.18	70.7						26-125	
2-Nitrophenol	BRL	1.67	1.26	75.4						25-123	
3- & 4-Methylphenols	BRL	1.67	1.22	73.1						29-118	
4,6-Dinitro-2-methylphenol	BRL	1.67	0.859	51.4						8-129	
4-Bromophenyl phenyl ethe	BRL	1.67	1.1	65.9						50-122	
4-Chloro-3-methylphenol	BRL	1.67	1.27	76						40-127	
4-Chlorophenyl pheny ether	BRL	1.67	1.09	65.3						47-125	
4-Nitrophenol	BRL	1.67	1.25	74.9						14-138	
Acenaphthene	BRL	1.67	1.17	70.1						45-125	
Acenaphthylene	BRL	1.67	1.18	70.7						43-118	
Anthracene	BRL	1.67	1.28	76.6						53-119	
Benzo(a)anthracene	BRL	1.67	1.25	74.9						43-131	
Benzo(a)pyrene	BRL	1.67	1.18	70.7						43-126	
Benzo(b)fluoranthene	BRL	1.67	1.21	72.5						36-126	
Benzo(g,h,i)perylene	BRL	1.67	0.902	54						27-126	
Benzo(k)fluoranthene	BRL	1.67	1.34	80.2						36-134	
Bis(2-chloroethoxy) methan	BRL	1.67	1.21	72.5						33-125	
Bis(2-chloroethyl) ether	BRL	1.67	1.1	65.9						30-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10030922 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: MS and MSD
QC Sample ID: 10030257.06

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bis(2-chloroisopropyl) ether	BRL	1.67	1.55	92.8						27-122	
Bis(2-ethylhexyl)phthalate	BRL	1.67	1.01	60.5						8-158	
Butyl benzyl phthalate	BRL	1.67	0.82	49.1						50-139	M2
Chrysene	BRL	1.67	1.25	74.9						42-131	
Dibenzo(a,h)anthracene	BRL	1.67	0.948	56.8						33-122	
Dibenzofuran	BRL	1.67	1.14	68.3						22-122	
Diethyl phthalate	BRL	1.67	1.2	71.9						48-126	
Dimethyl phthalate	BRL	1.67	1.24	74.3						48-122	
Di-n-butyl phthalate	BRL	1.67	1.25	74.9						51-126	
Di-n-octyl Phthalate	BRL	1.67	0.874	52.3						50-124	
Fluoranthene	BRL	1.67	1.28	76.6						51-125	
Fluorene	BRL	1.67	1.17	70.1						48-123	
Hexachlorobenzene	BRL	1.67	1.13	67.7						35-130	
Hexachlorobutadiene	BRL	1.67	0.961	57.5						31-115	
Hexachlorocyclopentadiene	BRL	1.67	0.458	27.4						D-116	
Hexachloroethane	BRL	1.67	1.08	64.7						36-114	
Indeno(1,2,3-cd)pyrene	BRL	1.67	0.84	50.3						31-135	
Isophorone	BRL	1.67	1.12	67.1						30-126	
Naphthalene	BRL	1.67	1.1	65.9						32-124	
Nitrobenzene	BRL	1.67	1.37	82						29-126	
N-Nitrosodimethylamine	BRL	1.67	0.817	48.9						21-121	
N-nitroso-di-n-propylamine	BRL	1.67	1.16	69.5						30-128	
Pentachlorophenol	BRL	1.67	1.03	61.7						36-117	
Phenanthrene	BRL	1.67	1.27	76						45-125	
Phenol	BRL	1.67	1.3	77.8						22-118	
Pyrene	BRL	1.67	1.36	81.4						32-138	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mll

Samples in This QC Batch : 10030257.08

Extraction : PB10030803 **Prep Method :** SW-846 3510C **Prep Date :** 03/08/10 08:46 **Prep By :** Lwang

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	1	0.01	0.002		
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	1	0.01	0.003		
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	1	0.01	0.002		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.01	0.003		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.01	0.005		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.01	0.007		
2,4-Dichlorophenol	120-83-2	BRL	mg/L	1	0.01	0.005		
2,4-Dimethylphenol	105-67-9	BRL	mg/L	1	0.01	0.006		
2,4-Dinitrophenol	51-28-5	BRL	mg/L	1	0.01	0.007		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.01	0.006		
2,6-Dinitrotoluene	606-20-2	BRL	mg/L	1	0.01	0.006		
2-Chloronaphthalene	91-58-7	BRL	mg/L	1	0.01	0.005		
2-Chlorophenol	95-57-8	BRL	mg/L	1	0.01	0.005		
2-Methylnaphthalene	91-57-6	BRL	mg/L	1	0.01	0.004		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.01	0.005		
2-Nitrophenol	88-75-5	BRL	mg/L	1	0.01	0.007		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.01	0.005		
4,6-Dinitro-2-methylphenol	534-52-1	BRL	mg/L	1	0.01	0.006		
4-Bromophenyl phenyl ethe	101-55-3	BRL	mg/L	1	0.01	0.006		
4-Chloro-3-methylphenol	59-50-7	BRL	mg/L	1	0.01	0.004		
4-Chlorophenyl pheny ether	7005-72-3	BRL	mg/L	1	0.01	0.006		
4-Nitrophenol	100-02-7	BRL	mg/L	1	0.01	0.004		
Acenaphthene	83-32-9	BRL	mg/L	1	0.01	0.005		
Acenaphthylene	208-96-8	BRL	mg/L	1	0.01	0.004		
Anthracene	120-12-7	BRL	mg/L	1	0.01	0.005		
Benzo(a)anthracene	56-55-3	BRL	mg/L	1	0.01	0.004		
Benzo(a)pyrene	50-32-8	BRL	mg/L	1	0.01	0.004		
Benzo(b)fluoranthene	205-99-2	BRL	mg/L	1	0.01	0.004		
Benzo(g,h,i)perylene	191-24-2	BRL	mg/L	1	0.01	0.005		
Benzo(k)fluoranthene	207-08-9	BRL	mg/L	1	0.01	0.003		
Bis(2-chloroethoxy) methan	111-91-1	BRL	mg/L	1	0.01	0.005		
Bis(2-chloroethyl) ether	111-44-4	BRL	mg/L	1	0.01	0.003		
Bis(2-chloroisopropyl) ether	108-60-1	BRL	mg/L	1	0.01	0.003		
Bis(2-ethylhexyl)phthalate	117-81-7	BRL	mg/L	1	0.01	0.008		
Butyl benzyl phthalate	85-68-7	BRL	mg/L	1	0.01	0.005		
Chrysene	218-01-9	BRL	mg/L	1	0.01	0.002		
Dibenzo(a,h)anthracene	53-70-3	BRL	mg/L	1	0.01	0.005		
Dibenzofuran	132-64-9	BRL	mg/L	1	0.01	0.003		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.08

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Diethyl phthalate	84-66-2	BRL	mg/L	1	0.01	0.004		
Dimethyl phthalate	131-11-3	BRL	mg/L	1	0.01	0.003		
Di-n-butyl phthalate	84-74-2	BRL	mg/L	1	0.01	0.002		
Di-n-octyl Phthalate	117-84-0	BRL	mg/L	1	0.01	0.005		
Fluoranthene	206-44-0	BRL	mg/L	1	0.01	0.004		
Fluorene	86-73-7	BRL	mg/L	1	0.01	0.006		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.01	0.005		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.01	0.003		
Hexachlorocyclopentadiene	77-47-4	BRL	mg/L	1	0.01	0.003		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.01	0.003		
Indeno(1,2,3-cd)pyrene	193-39-5	BRL	mg/L	1	0.01	0.005		
Isophorone	78-59-1	BRL	mg/L	1	0.01	0.006		
Naphthalene	91-20-3	BRL	mg/L	1	0.01	0.004		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.01	0.003		
N-Nitrosodimethylamine	62-75-9	BRL	mg/L	1	0.01	0.003		
N-nitroso-di-n-propylamine	621-64-7	BRL	mg/L	1	0.01	0.003		
Pentachlorophenol	87-86-5	BRL	mg/L	1	0.01	0.005		
Phenanthrene	85-01-8	BRL	mg/L	1	0.01	0.003		
Phenol	108-95-2	BRL	mg/L	1	0.01	0.003		
Pyrene	129-00-0	BRL	mg/L	1	0.01	0.006		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,4-Trichlorobenzene	0.05	0.035	70	0.05	0.034	68	2.9	35	6-126	
1,2-Dichlorobenzene	0.05	0.035	70	0.05	0.034	68	2.9	35	18-102	
1,3-Dichlorobenzene	0.05	0.035	70	0.05	0.035	70	0.0	35	18-100	
1,4-Dichlorobenzene	0.05	0.034	68	0.05	0.034	68	0.0	35	14-109	
2,4,5-Trichlorophenol	0.05	0.035	70	0.05	0.036	72	2.8	35	16-124	
2,4,6-Trichlorophenol	0.05	0.038	76	0.05	0.037	74	2.7	35	19-120	
2,4-Dichlorophenol	0.05	0.034	68	0.05	0.033	66	3	35	9-121	
2,4-Dimethylphenol	0.05	0.036	72	0.05	0.037	74	2.7	35	D-121	
2,4-Dinitrophenol	0.05	0.029	58	0.05	0.026	52	10.9	35	20-110	
2,4-Dinitrotoluene	0.05	0.037	74	0.05	0.039	78	5.3	35	18-137	
2,6-Dinitrotoluene	0.05	0.037	74	0.05	0.037	74	0.0	35	26-122	
2-Chloronaphthalene	0.05	0.037	74	0.05	0.037	74	0.0	35	19-118	
2-Chlorophenol	0.05	0.035	70	0.05	0.034	68	2.9	35	18-102	
2-Methylnaphthalene	0.05	0.034	68	0.05	0.033	66	3	35	7-124	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.08

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
2-Methylphenol	0.05	0.038	76	0.05	0.035	70	8.2	35	26-114	
2-Nitrophenol	0.05	0.036	72	0.05	0.036	72	0.0	35	16-109	
3- & 4-Methylphenols	0.05	0.041	82	0.05	0.036	72	13	35	8-104	
4,6-Dinitro-2-methylphenol	0.05	0.03	60	0.05	0.03	60	0.0	35	8-124	
4-Bromophenyl phenyl ethe	0.05	0.036	72	0.05	0.034	68	5.7	35	33-113	
4-Chloro-3-methylphenol	0.05	0.039	78	0.05	0.04	80	2.5	35	17-122	
4-Chlorophenyl pheny ether	0.05	0.036	72	0.05	0.033	66	8.7	35	27-120	
4-Nitrophenol	0.05	0.033	66	0.05	0.036	72	8.7	35	D-112	
Acenaphthene	0.05	0.037	74	0.05	0.036	72	2.7	35	23-131	
Acenaphthylene	0.05	0.037	74	0.05	0.038	76	2.7	35	24-117	
Anthracene	0.05	0.037	74	0.05	0.039	78	5.3	35	32-118	
Benzo(a)anthracene	0.05	0.036	72	0.05	0.036	72	0.0	35	36-115	
Benzo(a)pyrene	0.05	0.033	66	0.05	0.034	68	3	35	28-116	
Benzo(b)fluoranthene	0.05	0.038	76	0.05	0.033	66	14.1	35	27-121	
Benzo(g,h,i)perylene	0.05	0.031	62	0.05	0.032	64	3.2	35	18-123	
Benzo(k)fluoranthene	0.05	0.034	68	0.05	0.035	70	2.9	35	21-122	
Bis(2-chloroethoxy) methan	0.05	0.035	70	0.05	0.037	74	5.6	35	20-107	
Bis(2-chloroethyl) ether	0.05	0.033	66	0.05	0.031	62	6.3	35	23-95	
Bis(2-chloroisopropyl) ether	0.05	0.039	78	0.05	0.039	78	0.0	35	17-104	
Bis(2-ethylhexyl)phthalate	0.05	0.037	74	0.05	0.033	66	11.4	35	9-133	
Butyl benzyl phthalate	0.05	0.037	74	0.05	0.031	62	17.6	35	14-135	
Chrysene	0.05	0.037	74	0.05	0.035	70	5.6	35	36-117	
Dibenzo(a,h)anthracene	0.05	0.031	62	0.05	0.031	62	0.0	35	26-118	
Dibenzofuran	0.05	0.035	70	0.05	0.034	68	2.9	35	22-122	
Diethyl phthalate	0.05	0.039	78	0.05	0.038	76	2.6	35	25-128	
Dimethyl phthalate	0.05	0.037	74	0.05	0.037	74	0.0	35	27-122	
Di-n-butyl phthalate	0.05	0.038	76	0.05	0.039	78	2.6	35	25-128	
Di-n-octyl Phthalate	0.05	0.037	74	0.05	0.037	74	0.0	35	18-128	
Fluoranthene	0.05	0.038	76	0.05	0.042	84	10	35	27-131	
Fluorene	0.05	0.037	74	0.05	0.036	72	2.7	35	26-126	
Hexachlorobenzene	0.05	0.036	72	0.05	0.035	70	2.8	35	30-130	
Hexachlorobutadiene	0.05	0.036	72	0.05	0.035	70	2.8	35	5-115	
Hexachlorocyclopentadiene	0.05	0.024	48	0.05	0.024	48	0.0	35	D-95	
Hexachloroethane	0.05	0.035	70	0.05	0.034	68	2.9	35	14-102	
Indeno(1,2,3-cd)pyrene	0.05	0.032	64	0.05	0.03	60	6.5	35	24-126	
Isophorone	0.05	0.042	84	0.05	0.044	88	4.7	35	15-114	
Naphthalene	0.05	0.036	72	0.05	0.036	72	0.0	35	19-112	
Nitrobenzene	0.05	0.04	80	0.05	0.038	76	5.1	35	20-109	
N-Nitrosodimethylamine	0.05	0.03	60	0.05	0.034	68	12.5	35	5-92	
N-nitroso-di-n-propylamine	0.05	0.04	80	0.05	0.039	78	2.5	35	24-114	
Pentachlorophenol	0.05	0.032	64	0.05	0.032	64	0.0	35	D-128	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030257.08

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Phenanthrene	0.05	0.036	72	0.05	0.034	68	5.7	35	31-119	
Phenol	0.05	0.036	72	0.05	0.034	68	5.7	35	D-111	
Pyrene	0.05	0.035	70	0.05	0.028	56	22.2	35	10-145	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Total Metals - Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031027 **Created Date :** 03/10/10 **Created By :** jpeng

Samples in This QC Batch : 10030257.08

Digestion : PB10031026 **Prep Method :** SW-846 7470A **Prep Date :** 03/10/10 12:00 **Prep By :** jpeng

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005	0.00003		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.00449	89.8	0.005	0.00463	92.6	3.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030257.08

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.00007	0.005	0.00481	94.8						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Total Metals - Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031029 **Created Date :** 03/10/10 **Created By :** jpeng

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Digestion : PB10031027 **Prep Method :** SW-846 7470A **Prep Date :** 03/10/10 12:00 **Prep By :** jpeng

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Mercury	7439-97-6	BRL	mg/Kg	1	0.01	0.004		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.1	0.09410	94.1	0.1	0.09224	92.2	2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030154.05

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.20351	0.1	0.29422	90.7						70-130	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Metals by ICP/MS** **Method :** **SW-846 6020A** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031123 **Created Date :** 03/10/10 **Created By :** Ssrinivasan

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Digestion : PB10031111 **Prep Method :** SW-846 3050B **Prep Date :** 03/09/10 14:00 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Arsenic	7440-38-2	BRL	mg/Kg	1	0.25	0.3		
Barium	7440-39-3	BRL	mg/Kg	1	0.25	0.3		
Cadmium	7440-43-9	BRL	mg/Kg	1	0.25	0.3		
Chromium	7440-47-3	BRL	mg/Kg	1	0.25	0.3		
Lead	7439-92-1	BRL	mg/Kg	1	0.25	0.3		
Selenium	7782-49-2	BRL	mg/Kg	1	0.25	0.3		
Silver	7440-22-4	BRL	mg/Kg	1	0.25	0.3		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	25	25.15	101	25	25.17	101	0.1	20	80-120	
Barium	25	24.23	96.9	25	24.18	96.7	0.2	20	80-120	
Cadmium	25	25.19	101	25	25.11	100	0.3	20	80-120	
Chromium	25	24.94	99.8	25	24.71	98.8	0.9	20	80-120	
Lead	25	24.55	98.2	25	24.34	97.4	0.9	20	80-120	
Selenium	25	24.98	99.9	25	24.71	98.8	1.1	20	80-120	
Silver	25	23.87	95.5	25	23.83	95.3	0.2	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030257.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	1.988	25	24.14	88.6						75-125	
Barium	170.7	25	138.5	-128.8						75-125	M7
Cadmium	BRL	25	25.03	100						75-125	
Chromium	10.53	25	37.27	107						75-125	
Lead	11.17	25	32.52	85.4						75-125	
Selenium	BRL	25	23.36	92.9						75-125	
Silver	BRL	25	23.5	93.9						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Metals by ICP/MS** **Method :** **SW-846 6020A** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031127 **Created Date :** 03/10/10 **Created By :** Ssrinivasan

Samples in This QC Batch : 10030257.08

Digestion : PB10031113 **Prep Method :** SW-846 3005A **Prep Date :** 03/10/10 08:00 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.001	0.0002		
Barium	7440-39-3	BRL	mg/L	1	0.001	0.0002		
Cadmium	7440-43-9	BRL	mg/L	1	0.001	0.0002		
Chromium	7440-47-3	BRL	mg/L	1	0.001	0.0002		
Lead	7439-92-1	BRL	mg/L	1	0.001	0.0002		
Selenium	7782-49-2	BRL	mg/L	1	0.001	0.001		
Silver	7440-22-4	BRL	mg/L	1	0.001	0.0002		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	0.05	0.04995	99.9	0.05	0.04939	98.8	1.1	20	80-120	
Barium	0.05	0.04875	97.5	0.05	0.04866	97.3	0.2	20	80-120	
Cadmium	0.05	0.04932	98.6	0.05	0.0496	99.2	0.6	20	80-120	
Chromium	0.05	0.04901	98	0.05	0.04941	98.8	0.8	20	80-120	
Lead	0.05	0.04821	96.4	0.05	0.04819	96.4	0	20	80-120	
Selenium	0.05	0.04865	97.3	0.05	0.04891	97.8	0.5	20	80-120	
Silver	0.05	0.04649	93	0.05	0.04634	92.7	0.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030308.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	0.00091	0.1	0.09879	97.9						75-125	
Barium	0.3882	0.1	0.4882	100						75-125	
Cadmium	BRL	0.1	0.09761	97.6						75-125	
Chromium	BRL	0.1	0.09674	96.7						75-125	
Lead	BRL	0.1	0.09802	98						75-125	
Selenium	BRL	0.1	0.09463	94.6						75-125	
Silver	BRL	0.1	0.09298	93						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb10031222 **Created Date :** 03/05/10 **Created By :** Whuimel

Samples in This QC Batch : 10030257.08,09

Sample Preparation : PB10030512 **Prep Method :** SW-846 5030C **Prep Date :** 03/05/10 15:00 **Prep By :** Whuimel

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1,1,2-Tetrachloroethane	630-20-6	BRL	mg/L	1	0.005	0.0015		
1,1,1-Trichloroethane	71-55-6	BRL	mg/L	1	0.005	0.002		
1,1,2,2-Tetrachloroethane	79-34-5	BRL	mg/L	1	0.005	0.002		
1,1,2-Trichloroethane	79-00-5	BRL	mg/L	1	0.005	0.0015		
1,1-Dichloroethane	75-34-3	BRL	mg/L	1	0.005	0.0015		
1,1-Dichloroethylene	75-35-4	BRL	mg/L	1	0.005	0.0015		
1,1-Dichloropropene	563-58-6	BRL	mg/L	1	0.005	0.002		
1,2,3-trichlorobenzene	87-61-6	BRL	mg/L	1	0.005	0.0015		
1,2,3-Trichloropropane	96-18-4	BRL	mg/L	1	0.005	0.005		
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	1	0.005	0.0015		
1,2,4-Trimethylbenzene	95-63-6	BRL	mg/L	1	0.005	0.001		
1,2-Dibromo-3-chloropropa	96-12-8	BRL	mg/L	1	0.005	0.0035		
1,2-Dibromoethane	106-93-4	BRL	mg/L	1	0.005	0.002		
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	1	0.005	0.002		
1,2-Dichloroethane	107-06-2	BRL	mg/L	1	0.005	0.001		
1,2-Dichloropropane	78-87-5	BRL	mg/L	1	0.005	0.0015		
1,3,5-Trimethylbenzene	108-67-8	BRL	mg/L	1	0.005	0.0015		
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	1	0.005	0.0015		
1,3-Dichloropropane	142-28-9	BRL	mg/L	1	0.005	0.0015		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.005	0.001		
2,2-Dichloropropane	594-20-7	BRL	mg/L	1	0.005	0.001		
2-Chlorotoluene	95-49-8	BRL	mg/L	1	0.005	0.0015		
4-Chlorotoluene	106-43-4	BRL	mg/L	1	0.005	0.0015		
4-Isopropyltoluene	99-87-6	BRL	mg/L	1	0.005	0.0015		
Benzene	71-43-2	BRL	mg/L	1	0.005	0.0015		
Bromobenzene	108-86-1	BRL	mg/L	1	0.005	0.002		
Bromochloromethane	74-97-5	BRL	mg/L	1	0.005	0.0015		
Bromodichloromethane	75-27-4	BRL	mg/L	1	0.005	0.002		
Bromoform	75-25-2	BRL	mg/L	1	0.005	0.003		
Bromomethane	74-83-9	BRL	mg/L	1	0.005	0.003		
Carbon tetrachloride	56-23-5	BRL	mg/L	1	0.005	0.0015		
Chlorobenzene	108-90-7	BRL	mg/L	1	0.005	0.002		
Chloroethane	75-00-3	BRL	mg/L	1	0.005	0.005		
Chloroform	67-66-3	BRL	mg/L	1	0.005	0.0015		
Chloromethane	74-87-3	BRL	mg/L	1	0.005	0.0015		
cis-1,2-Dichloroethylene	156-59-2	BRL	mg/L	1	0.005	0.001		
cis-1,3-Dichloropropene	10061-01-5	BRL	mg/L	1	0.005	0.0015		
Dibromochloromethane	124-48-1	BRL	mg/L	1	0.005	0.002		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb10031222 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.08,09

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	BRL	mg/L	1	0.005	0.0015		
Dichlorodifluoromethane	75-71-8	BRL	mg/L	1	0.005	0.0015		
Ethylbenzene	100-41-4	BRL	mg/L	1	0.005	0.002		
Isopropylbenzene	98-82-8	BRL	mg/L	1	0.005	0.001		
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/L	1	0.01	0.0025		
MEK	78-93-3	BRL	mg/L	1	0.005	0.005		
Methylene chloride	75-09-2	BRL	mg/L	1	0.005	0.003		
Naphthalene	91-20-3	BRL	mg/L	1	0.005	0.003		
n-Butylbenzene	104-51-8	BRL	mg/L	1	0.005	0.0015		
n-Propylbenzene	103-65-1	BRL	mg/L	1	0.005	0.0015		
o-Xylene	95-47-6	BRL	mg/L	1	0.005	0.0015		
sec-Butylbenzene	135-98-8	BRL	mg/L	1	0.005	0.0015		
Styrene	100-42-5	BRL	mg/L	1	0.005	0.001		
t-butylbenzene	98-06-6	BRL	mg/L	1	0.005	0.0015		
Tetrachloroethylene	127-18-4	BRL	mg/L	1	0.005	0.0015		
Toluene	108-88-3	BRL	mg/L	1	0.005	0.0015		
trans-1,2-Dichloroethylene	156-60-5	BRL	mg/L	1	0.005	0.0015		
trans-1,3-Dichloropropene	10061-02-6	BRL	mg/L	1	0.005	0.002		
Trichloroethylene	79-01-6	BRL	mg/L	1	0.005	0.002		
Trichlorofluoromethane	75-69-4	BRL	mg/L	1	0.005	0.0015		
Vinyl Chloride	75-01-4	BRL	mg/L	1	0.005	0.0015		
Xylenes		BRL	mg/L	1	0.015	0.005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.02	100	0.02	0.02	100	0	35	80-120	
1,1,1-Trichloroethane	0.02	0.024	120	0.02	0.025	125	4.1	35	80-120	L1
1,1,2,2-Tetrachloroethane	0.02	0.017	85	0.02	0.018	90	5.7	35	80-120	
1,1,2-Trichloroethane	0.02	0.017	85	0.02	0.018	90	5.7	35	80-120	
1,1-Dichloroethane	0.02	0.022	110	0.02	0.023	115	4.4	35	77.6-124	
1,1-Dichloroethylene	0.02	0.023	115	0.02	0.023	115	0	35	75.5-124	
1,1-Dichloropropene	0.02	0.023	115	0.02	0.022	110	4.4	35	77-125	
1,2,3-trichlorobenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	79.4-127	
1,2,3-Trichloropropane	0.02	0.018	90	0.02	0.02	100	10.5	35	62.3-140	
1,2,4-Trichlorobenzene	0.02	0.018	90	0.02	0.018	90	0	35	81.6-120	
1,2,4-Trimethylbenzene	0.02	0.018	90	0.02	0.018	90	0	35	81.6-118	
1,2-Dibromo-3-chloropropa	0.02	0.018	90	0.02	0.022	110	20	35	63.5-139	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031222 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.08,09

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2-Dibromoethane	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
1,2-Dichlorobenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	86.4-118	
1,2-Dichloroethane	0.02	0.024	120	0.02	0.024	120	0	35	74.5-129	
1,2-Dichloropropane	0.02	0.021	105	0.02	0.021	105	0	35	80-120	
1,3,5-Trimethylbenzene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
1,3-Dichlorobenzene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
1,3-Dichloropropane	0.02	0.018	90	0.02	0.019	95	5.4	35	74.7-122	
1,4-Dichlorobenzene	0.02	0.017	85	0.02	0.018	90	5.7	35	80-120	
2,2-Dichloropropane	0.02	0.025	125	0.02	0.025	125	0	35	75.9-126	
2-Chlorotoluene	0.02	0.017	85	0.02	0.018	90	5.7	35	80-120	
4-Chlorotoluene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
4-Isopropyltoluene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
Benzene	0.02	0.021	105	0.02	0.022	110	4.6	35	80-120	
Bromobenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	80-120	
Bromochloromethane	0.02	0.022	110	0.02	0.022	110	0	35	70.8-133	
Bromodichloromethane	0.02	0.023	115	0.02	0.023	115	0	35	80-119	
Bromoform	0.02	0.021	105	0.02	0.02	100	4.9	35	78.8-127	
Bromomethane	0.02	0.021	105	0.02	0.025	125	17.4	35	53-138	
Carbon tetrachloride	0.02	0.026	130	0.02	0.025	125	3.9	35	81.5-123	L1
Chlorobenzene	0.02	0.019	95	0.02	0.019	95	0	35	80-120	
Chloroethane	0.02	0.022	110	0.02	0.02	100	9.5	35	75.6-128	
Chloroform	0.02	0.023	115	0.02	0.024	120	4.3	35	79-123	
Chloromethane	0.02	0.02	100	0.02	0.021	105	4.9	35	69.6-125	
cis-1,2-Dichloroethylene	0.02	0.023	115	0.02	0.023	115	0	35	74.5-132	
cis-1,3-Dichloropropene	0.02	0.022	110	0.02	0.023	115	4.4	35	80-120	
Dibromochloromethane	0.02	0.019	95	0.02	0.02	100	5.1	35	82.8-117	
Dibromomethane	0.02	0.023	115	0.02	0.023	115	0	35	78.8-125	
Dichlorodifluoromethane	0.02	0.023	115	0.02	0.024	120	4.3	35	71.9-119	L1
Ethylbenzene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
Isopropylbenzene	0.02	0.019	95	0.02	0.018	90	5.4	35	80-120	
m- & p-Xylenes	0.04	0.036	90	0.04	0.037	92.5	2.7	35	80-120	
MEK	0.02	0.023	115	0.02	0.025	125	8.3	35	47.5-159	
Methylene chloride	0.02	0.021	105	0.02	0.021	105	0	35	69.4-131	
Naphthalene	0.02	0.017	85	0.02	0.018	90	5.7	35	70.8-128	
n-Butylbenzene	0.02	0.018	90	0.02	0.018	90	0	35	78.5-118	
n-Propylbenzene	0.02	0.017	85	0.02	0.018	90	5.7	35	81.5-117	
o-Xylene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
sec-Butylbenzene	0.02	0.017	85	0.02	0.018	90	5.7	35	82.6-117	
Styrene	0.02	0.018	90	0.02	0.018	90	0	35	80-120	
t-butylbenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	80-120	
Tetrachloroethylene	0.02	0.02	100	0.02	0.02	100	0	35	40-168	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031222 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.08,09

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Toluene	0.02	0.018	90	0.02	0.018	90	0	35	77.1-121	
trans-1,2-Dichloroethylene	0.02	0.022	110	0.02	0.023	115	4.4	35	77.5-122	
trans-1,3-Dichloropropene	0.02	0.018	90	0.02	0.018	90	0	35	81.5-113	
Trichloroethylene	0.02	0.023	115	0.02	0.022	110	4.4	35	80-120	
Trichlorofluoromethane	0.02	0.025	125	0.02	0.026	130	3.9	35	80-132	
Vinyl Chloride	0.02	0.022	110	0.02	0.022	110	0	35	71.1-127	

QC Type: MS and MSD
QC Sample ID: 10030257.09

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.02	100						72-139	
1,1,1-Trichloroethane	BRL	0.02	0.025	125						82-137	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.018	90						55-149	
1,1,2-Trichloroethane	BRL	0.02	0.017	85						68-139	
1,1-Dichloroethane	BRL	0.02	0.022	110						78-134	
1,1-Dichloroethylene	BRL	0.02	0.023	115						65-141	
1,1-Dichloropropene	BRL	0.02	0.022	110						79-136	
1,2,3-trichlorobenzene	BRL	0.02	0.019	95						54-144	
1,2,3-Trichloropropane	BRL	0.02	0.018	90						58-156	
1,2,4-Trichlorobenzene	BRL	0.02	0.019	95						69-127	
1,2,4-Trimethylbenzene	BRL	0.02	0.017	85						80-131	
1,2-Dibromo-3-chloropropa	BRL	0.02	0.022	110						61-145	
1,2-Dibromoethane	BRL	0.02	0.019	95						68-140	
1,2-Dichlorobenzene	BRL	0.02	0.018	90						70-138	
1,2-Dichloroethane	BRL	0.02	0.026	130						67-152	
1,2-Dichloropropane	BRL	0.02	0.021	105						79-135	
1,3,5-Trimethylbenzene	BRL	0.02	0.016	80						79-133	
1,3-Dichlorobenzene	BRL	0.02	0.018	90						79-128	
1,3-Dichloropropane	BRL	0.02	0.018	90						70-147	
1,4-Dichlorobenzene	BRL	0.02	0.017	85						76-127	
2,2-Dichloropropane	BRL	0.02	0.025	125						60-129	
2-Chlorotoluene	BRL	0.02	0.017	85						83-130	
4-Chlorotoluene	BRL	0.02	0.017	85						82-129	
4-Isopropyltoluene	BRL	0.02	0.017	85						78-129	
Benzene	BRL	0.02	0.021	105						73-129	
Bromobenzene	BRL	0.02	0.018	90						76-132	
Bromochloromethane	BRL	0.02	0.022	110						76-135	
Bromodichloromethane	BRL	0.02	0.023	115						80-136	
Bromoform	BRL	0.02	0.02	100						65-139	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031222 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.08,09

QC Type: MS and MSD
QC Sample ID: 10030257.09

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bromomethane	BRL	0.02	0.022	110						65-150	
Carbon tetrachloride	BRL	0.02	0.026	130						86-137	
Chlorobenzene	BRL	0.02	0.018	90						69-123	
Chloroethane	BRL	0.02	0.022	110						74-145	
Chloroform	BRL	0.02	0.024	120						78-132	
Chloromethane	BRL	0.02	0.02	100						69-139	
cis-1,2-Dichloroethylene	BRL	0.02	0.022	110						71-134	
cis-1,3-Dichloropropene	BRL	0.02	0.023	115						74-128	
Dibromochloromethane	BRL	0.02	0.02	100						67-141	
Dibromomethane	BRL	0.02	0.022	110						75-135	
Dichlorodifluoromethane	BRL	0.02	0.023	115						62-146	
Ethylbenzene	BRL	0.02	0.018	90						80-132	
Isopropylbenzene	BRL	0.02	0.019	95						78-137	
m- & p-Xylenes	BRL	0.04	0.037	92.5						73-127	
MEK	BRL	0.02	0.025	125						52-148	
Methylene chloride	BRL	0.02	0.021	105						68-131	
Naphthalene	BRL	0.02	0.018	90						61-116	
n-Butylbenzene	BRL	0.02	0.017	85						73-140	
n-Propylbenzene	BRL	0.02	0.017	85						75-127	
o-Xylene	BRL	0.02	0.018	90						74-126	
sec-Butylbenzene	BRL	0.02	0.016	80						75-129	
Styrene	BRL	0.02	0.018	90						77-123	
t-butylbenzene	BRL	0.02	0.017	85						75-126	
Tetrachloroethylene	BRL	0.02	0.02	100						71-122	
Toluene	BRL	0.02	0.018	90						72-121	
trans-1,2-Dichloroethylene	BRL	0.02	0.024	120						73-138	
trans-1,3-Dichloropropene	BRL	0.02	0.019	95						70-133	
Trichloroethylene	BRL	0.02	0.022	110						6-138	
Trichlorofluoromethane	BRL	0.02	0.026	130						67-148	
Vinyl Chloride	BRL	0.02	0.021	105						80-122	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/Kg

QC Batch ID : Qb10031223 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

Sample Preparation : PB10030540 **Prep Method :** SW-846 5035A **Prep Date :** 03/05/10 16:50 **Prep By :** Whuimei

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1,1,2-Tetrachloroethane	630-20-6	BRL	mg/Kg	1	0.005	0.0025		
1,1,1-Trichloroethane	71-55-6	BRL	mg/Kg	1	0.005	0.003		
1,1,2,2-Tetrachloroethane	79-34-5	BRL	mg/Kg	1	0.005	0.0025		
1,1,2-Trichloroethane	79-00-5	BRL	mg/Kg	1	0.005	0.0025		
1,1-Dichloroethane	75-34-3	BRL	mg/Kg	1	0.005	0.002		
1,1-Dichloroethylene	75-35-4	BRL	mg/Kg	1	0.005	0.002		
1,1-Dichloropropene	563-58-6	BRL	mg/Kg	1	0.005	0.002		
1,2,3-trichlorobenzene	87-61-6	BRL	mg/Kg	1	0.005	0.0035		
1,2,3-Trichloropropane	96-18-4	BRL	mg/Kg	1	0.005	0.005		
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/Kg	1	0.005	0.003		
1,2,4-Trimethylbenzene	95-63-6	BRL	mg/Kg	1	0.005	0.002		
1,2-Dibromo-3-chloropropa	96-12-8	BRL	mg/Kg	1	0.005	0.0045		
1,2-Dibromoethane	106-93-4	BRL	mg/Kg	1	0.005	0.0025		
1,2-Dichlorobenzene	95-50-1	BRL	mg/Kg	1	0.005	0.0025		
1,2-Dichloroethane	107-06-2	BRL	mg/Kg	1	0.005	0.0025		
1,2-Dichloropropane	78-87-5	BRL	mg/Kg	1	0.005	0.0025		
1,3,5-Trimethylbenzene	108-67-8	BRL	mg/Kg	1	0.005	0.0025		
1,3-Dichlorobenzene	541-73-1	BRL	mg/Kg	1	0.005	0.0027		
1,3-Dichloropropane	142-28-9	BRL	mg/Kg	1	0.005	0.0025		
1,4-Dichlorobenzene	106-46-7	BRL	mg/Kg	1	0.005	0.0025		
2,2-Dichloropropane	594-20-7	BRL	mg/Kg	1	0.005	0.0025		
2-Chlorotoluene	95-49-8	BRL	mg/Kg	1	0.005	0.0025		
4-Chlorotoluene	106-43-4	BRL	mg/Kg	1	0.005	0.0025		
4-Isopropyltoluene	99-87-6	BRL	mg/Kg	1	0.005	0.0025		
Benzene	71-43-2	BRL	mg/Kg	1	0.005	0.003		
Bromobenzene	108-86-1	BRL	mg/Kg	1	0.005	0.0035		
Bromochloromethane	74-97-5	BRL	mg/Kg	1	0.005	0.0025		
Bromodichloromethane	75-27-4	BRL	mg/Kg	1	0.005	0.0025		
Bromoform	75-25-2	BRL	mg/Kg	1	0.005	0.0025		
Bromomethane	74-83-9	BRL	mg/Kg	1	0.005	0.002		
Carbon tetrachloride	56-23-5	BRL	mg/Kg	1	0.005	0.002		
Chlorobenzene	108-90-7	BRL	mg/Kg	1	0.005	0.002		
Chloroethane	75-00-3	BRL	mg/Kg	1	0.005	0.002		
Chloroform	67-66-3	BRL	mg/Kg	1	0.005	0.0025		
Chloromethane	74-87-3	BRL	mg/Kg	1	0.005	0.002		
cis-1,2-Dichloroethylene	156-59-2	BRL	mg/Kg	1	0.005	0.0025		
cis-1,3-Dichloropropene	10061-01-5	BRL	mg/Kg	1	0.005	0.0025		
Dibromochloromethane	124-48-1	BRL	mg/Kg	1	0.005	0.003		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031223 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	BRL	mg/Kg	1	0.005	0.0025		
Dichlorodifluoromethane	75-71-8	BRL	mg/Kg	1	0.005	0.002		
Ethylbenzene	100-41-4	BRL	mg/Kg	1	0.005	0.002		
Isopropylbenzene	98-82-8	BRL	mg/Kg	1	0.005	0.002		
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/Kg	1	0.01	0.0045		
MEK	78-93-3	BRL	mg/Kg	1	0.005	0.005		
Methylene chloride	75-09-2	BRL	mg/Kg	1	0.005	0.003		
Naphthalene	91-20-3	BRL	mg/Kg	1	0.005	0.0035		
n-Butylbenzene	104-51-8	BRL	mg/Kg	1	0.005	0.0025		
n-Propylbenzene	103-65-1	BRL	mg/Kg	1	0.005	0.0025		
o-Xylene	95-47-6	BRL	mg/Kg	1	0.005	0.0020		
sec-Butylbenzene	135-98-8	BRL	mg/Kg	1	0.005	0.0025		
Styrene	100-42-5	BRL	mg/Kg	1	0.005	0.002		
t-butylbenzene	98-06-6	BRL	mg/Kg	1	0.005	0.0025		
Tetrachloroethylene	127-18-4	BRL	mg/Kg	1	0.005	0.002		
Toluene	108-88-3	BRL	mg/Kg	1	0.005	0.0025		
trans-1,2-Dichloroethylene	156-60-5	BRL	mg/Kg	1	0.005	0.002		
trans-1,3-Dichloropropene	10061-02-6	BRL	mg/Kg	1	0.005	0.0025		
Trichloroethylene	79-01-6	BRL	mg/Kg	1	0.005	0.0025		
Trichlorofluoromethane	75-69-4	BRL	mg/Kg	1	0.005	0.0025		
Vinyl Chloride	75-01-4	BRL	mg/Kg	1	0.005	0.002		
Xylenes		BRL	mg/Kg	1	0.005	0.005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.021	105	0.02	0.023	115	9.1	35	78-126	
1,1,1-Trichloroethane	0.02	0.026	130	0.02	0.026	130	0	35	75-134	
1,1,2,2-Tetrachloroethane	0.02	0.019	95	0.02	0.022	110	14.6	35	72-138	
1,1,2-Trichloroethane	0.02	0.018	90	0.02	0.02	100	10.5	35	64-117	
1,1-Dichloroethane	0.02	0.023	115	0.02	0.022	110	4.4	35	79-129	
1,1-Dichloroethylene	0.02	0.024	120	0.02	0.023	115	4.3	35	74-139	
1,1-Dichloropropene	0.02	0.025	125	0.02	0.024	120	4.1	35	80-128	
1,2,3-trichlorobenzene	0.02	0.019	95	0.02	0.019	95	0	35	42-139	
1,2,3-Trichloropropane	0.02	0.02	100	0.02	0.02	100	0	35	74-130	
1,2,4-Trichlorobenzene	0.02	0.019	95	0.02	0.02	100	5.1	35	80-120	
1,2,4-Trimethylbenzene	0.02	0.017	85	0.02	0.018	90	5.7	35	58-130	
1,2-Dibromo-3-chloropropa	0.02	0.021	105	0.02	0.025	125	17.4	35	69-135	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031223 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2-Dibromoethane	0.02	0.019	95	0.02	0.021	105	10	35	74-133	
1,2-Dichlorobenzene	0.02	0.018	90	0.02	0.02	100	10.5	35	81-126	
1,2-Dichloroethane	0.02	0.027	135	0.02	0.027	135	0	35	78-128	L1
1,2-Dichloropropane	0.02	0.022	110	0.02	0.022	110	0	35	80-125	
1,3,5-Trimethylbenzene	0.02	0.017	85	0.02	0.019	95	11.1	35	82-120	
1,3-Dichlorobenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	77-128	
1,3-Dichloropropane	0.02	0.02	100	0.02	0.021	105	4.9	35	66-115	
1,4-Dichlorobenzene	0.02	0.018	90	0.02	0.018	90	0	35	77-127	
2,2-Dichloropropane	0.02	0.026	130	0.02	0.025	125	3.9	35	74-129	L1
2-Chlorotoluene	0.02	0.017	85	0.02	0.018	90	5.7	35	80-121	
4-Chlorotoluene	0.02	0.017	85	0.02	0.019	95	11.1	35	83-119	
4-Isopropyltoluene	0.02	0.018	90	0.02	0.019	95	5.4	35	80-121	
Benzene	0.02	0.023	115	0.02	0.024	120	4.3	35	80-123	
Bromobenzene	0.02	0.019	95	0.02	0.019	95	0	35	80-125	
Bromochloromethane	0.02	0.023	115	0.02	0.021	105	9.1	35	76-134	
Bromodichloromethane	0.02	0.025	125	0.02	0.026	130	3.9	35	85-119	L1
Bromoform	0.02	0.023	115	0.02	0.025	125	8.3	35	70-135	
Bromomethane	0.02	0.025	125	0.02	0.025	125	0	35	80-141	
Carbon tetrachloride	0.02	0.029	145	0.02	0.029	145	0	35	82-123	L1
Chlorobenzene	0.02	0.02	100	0.02	0.022	110	9.5	35	77-121	
Chloroethane	0.02	0.022	110	0.02	0.021	105	4.6	35	78-131	
Chloroform	0.02	0.025	125	0.02	0.025	125	0	35	79-129	
Chloromethane	0.02	0.021	105	0.02	0.019	95	10	35	74-130	
cis-1,2-Dichloroethylene	0.02	0.024	120	0.02	0.023	115	4.3	35	68-131	
cis-1,3-Dichloropropene	0.02	0.023	115	0.02	0.025	125	8.3	35	76-124	L1
Dibromochloromethane	0.02	0.021	105	0.02	0.023	115	9.1	35	62-119	
Dibromomethane	0.02	0.024	120	0.02	0.026	130	8	35	79-134	
Dichlorodifluoromethane	0.02	0.024	120	0.02	0.024	120	0	35	62-137	
Ethylbenzene	0.02	0.019	95	0.02	0.021	105	10	35	84-117	
Isopropylbenzene	0.02	0.02	100	0.02	0.022	110	9.5	35	79-122	
m- & p-Xylenes	0.04	0.04	100	0.04	0.043	108	7.2	35	77-124	
MEK	0.02	0.024	120	0.02	0.025	125	4.1	35	50-168	
Methylene chloride	0.02	0.023	115	0.02	0.022	110	4.4	35	69-133	
Naphthalene	0.02	0.019	95	0.02	0.021	105	10	35	71-131	
n-Butylbenzene	0.02	0.018	90	0.02	0.019	95	5.4	35	76-132	
n-Propylbenzene	0.02	0.017	85	0.02	0.019	95	11.1	35	81-123	
o-Xylene	0.02	0.019	95	0.02	0.021	105	10	35	84-116	
sec-Butylbenzene	0.02	0.017	85	0.02	0.019	95	11.1	35	79-126	
Styrene	0.02	0.019	95	0.02	0.021	105	10	35	78-126	
t-butylbenzene	0.02	0.018	90	0.02	0.02	100	10.5	35	78-126	
Tetrachloroethylene	0.02	0.022	110	0.02	0.024	120	8.7	35	70-140	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031223 **Created Date :** 03/05/10 **Created By :** Whuimei

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Toluene	0.02	0.019	95	0.02	0.021	105	10	35	78-121	
trans-1,2-Dichloroethylene	0.02	0.024	120	0.02	0.023	115	4.3	35	78-129	
trans-1,3-Dichloropropene	0.02	0.019	95	0.02	0.02	100	5.1	35	69-115	
Trichloroethylene	0.02	0.023	115	0.02	0.026	130	12.2	35	75-128	L1
Trichlorofluoromethane	0.02	0.027	135	0.02	0.026	130	3.8	35	70-139	
Vinyl Chloride	0.02	0.023	115	0.02	0.022	110	4.4	35	72-130	

QC Type: MS and MSD
QC Sample ID: 10030257.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.019	95						72-139	
1,1,1-Trichloroethane	BRL	0.02	0.027	135						82-137	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.016	80						55-149	
1,1,2-Trichloroethane	BRL	0.02	0.017	85						68-139	
1,1-Dichloroethane	BRL	0.02	0.023	115						78-134	
1,1-Dichloroethylene	BRL	0.02	0.024	120						65-141	
1,1-Dichloropropene	BRL	0.02	0.024	120						79-136	
1,2,3-trichlorobenzene	BRL	0.02	0.015	75						54-144	
1,2,3-Trichloropropane	BRL	0.02	0.017	85						58-156	
1,2,4-Trichlorobenzene	BRL	0.02	0.014	70						69-127	
1,2,4-Trimethylbenzene	BRL	0.02	0.017	85						80-131	
1,2-Dibromo-3-chloropropa	BRL	0.02	0.018	90						61-145	
1,2-Dibromoethane	BRL	0.02	0.017	85						68-140	
1,2-Dichlorobenzene	BRL	0.02	0.017	85						70-138	
1,2-Dichloroethane	BRL	0.02	0.024	120						67-152	
1,2-Dichloropropane	BRL	0.02	0.021	105						79-135	
1,3,5-Trimethylbenzene	BRL	0.02	0.017	85						79-133	
1,3-Dichlorobenzene	BRL	0.02	0.017	85						79-128	
1,3-Dichloropropane	BRL	0.02	0.018	90						70-147	
1,4-Dichlorobenzene	BRL	0.02	0.016	80						76-127	
2,2-Dichloropropane	BRL	0.02	0.024	120						60-129	
2-Chlorotoluene	BRL	0.02	0.017	85						83-130	
4-Chlorotoluene	BRL	0.02	0.017	85						82-129	
4-Isopropyltoluene	BRL	0.02	0.016	80						78-129	
Benzene	BRL	0.02	0.022	110						73-129	
Bromobenzene	BRL	0.02	0.018	90						76-132	
Bromochloromethane	BRL	0.02	0.022	110						76-135	
Bromodichloromethane	BRL	0.02	0.024	120						80-136	
Bromoform	BRL	0.02	0.019	95						65-139	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030257 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/Kg**

QC Batch ID : Qb10031223 **Created Date :** 03/05/10 **Created By :** Whuimel

Samples in This QC Batch : 10030257.01,02,03,04,05,06,07

QC Type: MS and MSD
QC Sample ID: 10030257.04

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bromomethane	BRL	0.02	0.028	140						65-150	
Carbon tetrachloride	BRL	0.02	0.026	130						86-137	
Chlorobenzene	BRL	0.02	0.018	90						69-123	
Chloroethane	BRL	0.02	0.022	110						74-145	
Chloroform	BRL	0.02	0.026	130						78-132	
Chloromethane	BRL	0.02	0.021	105						69-139	
cis-1,2-Dichloroethylene	BRL	0.02	0.024	120						71-134	
cis-1,3-Dichloropropene	BRL	0.02	0.021	105						74-128	
Dibromochloromethane	BRL	0.02	0.019	95						67-141	
Dibromomethane	BRL	0.02	0.022	110						75-135	
Dichlorodifluoromethane	BRL	0.02	0.024	120						62-146	
Ethylbenzene	BRL	0.02	0.018	90						80-132	
Isopropylbenzene	BRL	0.02	0.017	85						78-137	
m- & p-Xylenes	BRL	0.04	0.036	90						73-127	
MEK	BRL	0.02	0.018	90						52-148	
Methylene chloride	BRL	0.02	0.023	115						68-131	
Naphthalene	BRL	0.02	0.015	75						61-116	
n-Butylbenzene	BRL	0.02	0.015	75						73-140	
n-Propylbenzene	BRL	0.02	0.016	80						75-127	
o-Xylene	BRL	0.02	0.017	85						74-126	
sec-Butylbenzene	BRL	0.02	0.016	80						75-129	
Styrene	BRL	0.02	0.016	80						77-123	
t-butylbenzene	BRL	0.02	0.018	90						75-126	
Tetrachloroethylene	BRL	0.02	0.027	135						71-122	M1
Toluene	BRL	0.02	0.017	85						72-121	
trans-1,2-Dichloroethylene	BRL	0.02	0.024	120						73-138	
trans-1,3-Dichloropropene	BRL	0.02	0.017	85						70-133	
Trichloroethylene	BRL	0.02	0.024	120						71-140	
Trichlorofluoromethane	BRL	0.02	0.027	135						67-148	
Vinyl Chloride	BRL	0.02	0.024	120						80-122	

Refer to the Definition page for terms.

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 10030257

Date: 3/15/2010

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

J	Estimation. Below calibration range but above MDL.
L1	Associated LCS/LCSD recovery is above acceptance limits for flagged analyte. Bias may be high.
M1	Matrix Spike/Matrix Spike Duplicate recovery is above laboratory control limits due to matrix interference.
M2	Matrix Spike/Matrix Spike Duplicate recovery is below laboratory control limits due to matrix interference.
M7	MS/MSD failed due to non-homogeneity of sample
U	Undetected at SDL (Sample Detection Limit).
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.

A & B Labs — *Chain of Custody*

The Chain of Custody is a Legal Document

10100 East Fwy (I-10) Ste. 100
Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 10030257

5. Project # 138936

REPORT TO:
1. Company: Brown & Caldwell ~~Madeline Munk (BC)~~
Address: 10777 Westheimer Road Suite 925
Contact: Madeline Munk
Phone: 713-759-0999
Fax: ☐
E-mail: ☒ mmaunk@brwncald.com

INVOICE TO:
2. Company:
Address:
Contact: ← Same
Phone:
Fax: ☐
E-mail: ☐

3. PO #

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: City of Houston South Gessner Phase II / Houston, TX

7. Reporting Requirement:
☐ TRRP Limits only ☒ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Ben Camacho Brown & Caldwell
Sampler's Signature & Date: 3/3/2010

13.	14. Containers*	15. Preservatives**	16. PH-Lab Only
	8oz VOA	H	
	4oz VOA	H	
	4oz A/G	None	
	4oz P/O	N	<2

LAB USE ONLY	9. Sample ID and Description		10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	No. of Containers	Analyses/Methods: TPH-1005	VOC 8260B	SVOC 8270D	RCRA(8) metals 6010 6020 7470	17.			18. REMARKS
	MW-1-0-2'	01A-C	3/3/10	0810		X		X					3	X	X	X	X				
	MW-1-25-27'	02A-C	3/3/10	0840		X		X					3	X	X	X	X				
	MW-2-0-2'	03A-C	3/3/10	1140		X		X					3	X	X	X	X				
	MW-2-16-18'	04A-C	3/3/10	1200		X		X					3	X	X	X	X				
	MW-3-0-2'	05A-C	3/3/10	1310		X		X					3	X	X	X	X				
	MW-3-13-15'	06A-C	3/3/10	1330		X		X					3	X	X	X	X				
	Dup-1	07A-C	3/3/10	—		X		X					3	X	X	X	X				
	EB-1	08A-H	3/3/10	1700		X	X						6	X	X	X	X				
	FB-1	09A-C	3/3/10	1710		X	X						3		X						
10A-B	Trip Blank (lab prepared)		—	—		X	X						2		X						

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Ben Camacho	3/3/10	1730	Allison Diamond	3/5/10	10:36
2 Allison Diamond	3/5/10	11:15	[illegible]	3/5/10	11:15
3			21. RECEIVED BY LABORATORY		

22. KNOWN HAZARDS/COMMENTS

Temperature: 3.1 °C

Intact: Y or N Initials [illegible]

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days

*Containers: VOA - 40 ml vial; 4 oz/8 oz - glass wide mouth; A/G - Amber/Glass 1 Liter; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

LAB USE ONLY SAMPLING RENTAL P/U

Laboratory Analysis Report

Total Number of Pages: 63

Job ID : 10030308

10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name :
138936 / City of Houston South Gessner Phase II / Houston, TX

Report To :	Client Name:	Brown & Caldwell	P.O.#.:
	Attn:	Madeline Mauk	Sample Collected By:
	Client Address:	10777 Westheimer, Suite 925	Date Collected: 03/05/10
	City, State, Zip:	Houston , TX, 77042	

A&B Labs has analyzed the following samples...

Client Sample ID	Matrix	A&B Sample ID
MW-1	Water	10030308.01
MW-2	Water	10030308.02
MW-3	Water	10030308.03
DUP-1	Water	10030308.04
FB-030510	Water	10030308.05
EB-030510	Water	10030308.06
TB-0360510 (Lab Prepared)	Water	10030308.07

Released By: Rita Wells
Title: QA Officer
Date: 3/15/2010

This Laboratory is NELAP (T104704213-09-TX) accredited. Effective: 07/01/2009; Expires: 06/30/2010
Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided by client.

Date Received : 03/05/2010 16:31

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10031127	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	0.002		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:34
7440-39-3	Barium	0.508		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:34
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:34
7440-47-3	Chromium	0.001		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:34
7439-92-1	Lead	0.00063	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:34
7782-49-2	Selenium	0.00024	J	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:34
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:34

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10031027	Date Received	03/05/2010 16:31
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	BRL	U	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 18:56

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 19:54
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 19:54
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 19:54
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 19:54
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 19:54
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Analyst Initial HW

Sample Matrix Water
Date Collected 03/05/2010 10:18
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 12:00

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 19:54
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 19:54
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 19:54
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 19:54
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 19:54
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 19:54
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 19:54
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 19:54
17060-07-0	1,2-Dichloroethane-d4(surr)	91.5				70	130	%	1	03/08/10 19:54
1868-53-7	Dibromofluoromethane(surr)	104				70	130	%	1	03/08/10 19:54
2037-26-5	Toluene-d8(surr)	100				70	130	%	1	03/08/10 19:54
460-00-4	p-Bromofluorobenzene(surr)	92.1				70	130	%	1	03/08/10 19:54

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 13:41
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 13:41
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 13:41
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 13:41
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
88-74-4	2-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 13:41
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
91-94-1	3,3-Dichlorobenzidine	BRL	U	0.011	0.011	0.01	0.12	mg/L	1.0	03/08/10 13:41
99-09-2	3-Nitroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
106-47-8	4-Chloroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
100-01-6	4-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
62-53-3	Aniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
103-33-3	Azobenzene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
92-87-5	Benzidine	BRL	U,V1	0.013	0.013	0.01	0.12	mg/L	1.0	03/08/10 13:41
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Analyst Initial ML

Sample Matrix Water
Date Collected 03/05/2010 10:18
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
65-85-0	Benzoic acid	BRL	U	0.019	0.019	0.01	0.12	mg/L	1.0	03/08/10 13:41
100-51-6	Benzyl alcohol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1.0	03/08/10 13:41
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
86-74-8	Carbazole	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 13:41
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
84-74-2	Di-n-butyl phthalate	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 13:41
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 13:41
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
86-30-6	N-Nitrosodiphenylamine	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 13:41
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 13:41
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 13:41
110-861	Pyridine	BRL	U	0.015	0.015	0.01	0.12	mg/L	1.0	03/08/10 13:41
118-79-6	2,4,6-Tribromophenol(surr)	75.4				19	122	%	1.0	03/08/10 13:41
13127-88-3	Phenol-d6(surr)	11.8				10	130	%	1.0	03/08/10 13:41
132-60-8	2-Fluorobiphenyl(surr)	80.6				30	115	%	1.0	03/08/10 13:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	101				18	137	%	1.0	03/08/10 13:41
367-12-4	2-Fluorophenol(surr)	17.5				15	115	%	1.0	03/08/10 13:41
4165-60-0	Nitrobenzene-d5(surr)	85.4				23	120	%	1.0	03/08/10 13:41

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-1
A&B Job Sample ID: 10030308.01

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/05/2010 10:18
QC Batch ID:	Qb10030807	Date Received	03/05/2010 16:31
Prep Method:	TX 1005	Date Prepared	03/08/2010 09:45
Prepared By:	Dshen		
Prep Batch ID	PB10030805		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/08/10 10:46
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/08/10 10:46
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/08/10 10:46
	Total C6-C35	BRL				----	----	mg/L	1	03/08/10 10:46
111-85-3	1-Chlorooctane(surr)	89.4				59	122	%	1	03/08/10 10:46
3386-33-2	Chlorooctadecane(surr)	99.1				48	123	%	1	03/08/10 10:46

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10031127	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	0.00091	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:14
7440-39-3	Barium	0.388		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:14
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:14
7440-47-3	Chromium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:14
7439-92-1	Lead	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:14
7782-49-2	Selenium	BRL	U	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:14
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:14

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10031027	Date Received	03/05/2010 16:31
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	BRL	U	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 18:59

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Analyst Initial HW

Sample Matrix Water
Date Collected 03/05/2010 12:00
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 12:00

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:26
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 20:26
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:26
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:26
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:26
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 20:26
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:26
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:26
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:26
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:26
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:26
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:26
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 20:26
17060-07-0	1,2-Dichloroethane-d4(surr)	107				70	130	%	1	03/08/10 20:26
1868-53-7	Dibromofluoromethane(surr)	98				70	130	%	1	03/08/10 20:26
2037-26-5	Toluene-d8(surr)	102				70	130	%	1	03/08/10 20:26
460-00-4	p-Bromofluorobenzene(surr)	94.1				70	130	%	1	03/08/10 20:26

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:15
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:15
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:15
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:15
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
88-74-4	2-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:15
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
91-94-1	3,3-Dichlorobenzidine	BRL	U	0.011	0.011	0.01	0.12	mg/L	1.0	03/08/10 14:15
99-09-2	3-Nitroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
106-47-8	4-Chloroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
100-01-6	4-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
62-53-3	Aniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
103-33-3	Azobenzene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
92-87-5	Benzidine	BRL	U,V1	0.013	0.013	0.01	0.12	mg/L	1.0	03/08/10 14:15
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Sample Matrix Water
Date Collected 03/05/2010 12:00
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

Analyst Initial ML
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
65-85-0	Benzoic acid	BRL	U	0.019	0.019	0.01	0.12	mg/L	1.0	03/08/10 14:15
100-51-6	Benzyl alcohol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1.0	03/08/10 14:15
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
86-74-8	Carbazole	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:15
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
84-74-2	Di-n-butyl phthalate	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:15
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:15
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
86-30-6	N-Nitrosodiphenylamine	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:15
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:15
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:15
110-861	Pyridine	BRL	U	0.015	0.015	0.01	0.12	mg/L	1.0	03/08/10 14:15
118-79-6	2,4,6-Tribromophenol(surr)	71				19	122	%	1.0	03/08/10 14:15
13127-88-3	Phenol-d6(surr)	10.6				10	130	%	1.0	03/08/10 14:15
132-60-8	2-Fluorobiphenyl(surr)	93.8				30	115	%	1.0	03/08/10 14:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2
A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	94.2				18	137	%	1.0	03/08/10 14:15
367-12-4	2-Fluorophenol(surr)	19.8				15	115	%	1.0	03/08/10 14:15
4165-60-0	Nitrobenzene-d5(surr)	103				23	120	%	1.0	03/08/10 14:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-2

A&B Job Sample ID: 10030308.02

Date: 3/15/2010

Client Name: Brown & Caldwell

Attn: Madeline Mauk

Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/05/2010 12:00
QC Batch ID:	Qb10030807	Date Received	03/05/2010 16:31
Prep Method:	TX 1005	Date Prepared	03/08/2010 09:45
Prepared By:	Dshen		
Prep Batch ID	PB10030805		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/08/10 11:07
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/08/10 11:07
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/08/10 11:07
	Total C6-C35	BRL				----	----	mg/L	1	03/08/10 11:07
111-85-3	1-Chlorooctane(surr)	109				59	122	%	1	03/08/10 11:07
3386-33-2	Chlorooctadecane(surr)	107				48	123	%	1	03/08/10 11:07

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10031127	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	0.00087	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:27
7440-39-3	Barium	0.242		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:27
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:27
7440-47-3	Chromium	0.00024	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:27
7439-92-1	Lead	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:27
7782-49-2	Selenium	BRL	U	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:27
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:27

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10031027	Date Received	03/05/2010 16:31
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	BRL	U	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 19:02

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:57
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 20:57
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:57
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:57
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:57
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Analyst Initial HW

Sample Matrix Water
Date Collected 03/05/2010 13:30
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 12:00

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 20:57
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 20:57
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:57
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 20:57
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 20:57
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 20:57
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 20:57
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 20:57
17060-07-0	1,2-Dichloroethane-d4(surr)	104				70	130	%	1	03/08/10 20:57
1868-53-7	Dibromofluoromethane(surr)	96.9				70	130	%	1	03/08/10 20:57
2037-26-5	Toluene-d8(surr)	98.5				70	130	%	1	03/08/10 20:57
460-00-4	p-Bromofluorobenzene(surr)	94.6				70	130	%	1	03/08/10 20:57

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:48
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:48
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:48
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:48
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
88-74-4	2-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 14:48
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
91-94-1	3,3-Dichlorobenzidine	BRL	U	0.011	0.011	0.01	0.12	mg/L	1.0	03/08/10 14:48
99-09-2	3-Nitroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
106-47-8	4-Chloroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
100-01-6	4-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
62-53-3	Aniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
103-33-3	Azobenzene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
92-87-5	Benzidine	BRL	U,V1	0.013	0.013	0.01	0.12	mg/L	1.0	03/08/10 14:48
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Analyst Initial ML

Sample Matrix Water
Date Collected 03/05/2010 13:30
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
65-85-0	Benzoic acid	BRL	U	0.019	0.019	0.01	0.12	mg/L	1.0	03/08/10 14:48
100-51-6	Benzyl alcohol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1.0	03/08/10 14:48
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
86-74-8	Carbazole	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:48
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
84-74-2	Di-n-butyl phthalate	0.027		0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 14:48
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 14:48
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
86-30-6	N-Nitrosodiphenylamine	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 14:48
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 14:48
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 14:48
110-861	Pyridine	BRL	U	0.015	0.015	0.01	0.12	mg/L	1.0	03/08/10 14:48
118-79-6	2,4,6-Tribromophenol(surr)	65				19	122	%	1.0	03/08/10 14:48
13127-88-3	Phenol-d6(surr)	11.5				10	130	%	1.0	03/08/10 14:48
132-60-8	2-Fluorobiphenyl(surr)	74.1				30	115	%	1.0	03/08/10 14:48

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	96.1				18	137	%	1.0	03/08/10 14:48
367-12-4	2-Fluorophenol(surr)	17.4				15	115	%	1.0	03/08/10 14:48
4165-60-0	Nitrobenzene-d5(surr)	76.3				23	120	%	1.0	03/08/10 14:48

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: MW-3
A&B Job Sample ID: 10030308.03

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/05/2010 13:30
QC Batch ID:	Qb10030807	Date Received	03/05/2010 16:31
Prep Method:	TX 1005	Date Prepared	03/08/2010 09:45
Prepared By:	Dshen		
Prep Batch ID	PB10030805		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/08/10 11:28
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/08/10 11:28
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/08/10 11:28
	Total C6-C35	BRL				----	----	mg/L	1	03/08/10 11:28
111-85-3	1-Chlorooctane(surr)	90.8				59	122	%	1	03/08/10 11:28
3386-33-2	Chlorooctadecane(surr)	97.9				48	123	%	1	03/08/10 11:28

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/05/2010
QC Batch ID:	Qb10031127	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	0.00088	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:40
7440-39-3	Barium	0.249		0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:40
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:40
7440-47-3	Chromium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:40
7439-92-1	Lead	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:40
7782-49-2	Selenium	BRL	U	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:40
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:40

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/05/2010
QC Batch ID:	Qb10031027	Date Received	03/05/2010 16:31
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	BRL	U	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 19:12

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 21:28
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 21:28
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 21:28
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 21:28
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 21:28
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04
Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 21:28
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 21:28
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 21:28
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 21:28
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 21:28
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 21:28
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 21:28
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 21:28
17060-07-0	1,2-Dichloroethane-d4(surr)	102				70	130	%	1	03/08/10 21:28
1868-53-7	Dibromofluoromethane(surr)	95.3				70	130	%	1	03/08/10 21:28
2037-26-5	Toluene-d8(surr)	98.9				70	130	%	1	03/08/10 21:28
460-00-4	p-Bromofluorobenzene(surr)	92.2				70	130	%	1	03/08/10 21:28

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Sample Matrix Water
Date Collected 03/05/2010
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

Analyst Initial ML
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:21
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:21
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:21
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:21
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
88-74-4	2-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:21
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
91-94-1	3,3-Dichlorobenzidine	BRL	U	0.011	0.011	0.01	0.12	mg/L	1.0	03/08/10 15:21
99-09-2	3-Nitroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
106-47-8	4-Chloroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
100-01-6	4-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
62-53-3	Aniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
103-33-3	Azobenzene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
92-87-5	Benzidine	BRL	U,V1	0.013	0.013	0.01	0.12	mg/L	1.0	03/08/10 15:21
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Attn: Madeline Mauk

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Sample Matrix Water
Date Collected 03/05/2010
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

Analyst Initial ML

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
65-85-0	Benzoic acid	BRL	U	0.019	0.019	0.01	0.12	mg/L	1.0	03/08/10 15:21
100-51-6	Benzyl alcohol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1.0	03/08/10 15:21
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
86-74-8	Carbazole	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:21
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
84-74-2	Di-n-butyl phthalate	0.031		0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:21
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:21
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
86-30-6	N-Nitrosodiphenylamine	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:21
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:21
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:21
110-861	Pyridine	BRL	U	0.015	0.015	0.01	0.12	mg/L	1.0	03/08/10 15:21
118-79-6	2,4,6-Tribromophenol(surr)	80.2				19	122	%	1.0	03/08/10 15:21
13127-88-3	Phenol-d6(surr)	10.5				10	130	%	1.0	03/08/10 15:21
132-60-8	2-Fluorobiphenyl(surr)	94.5				30	115	%	1.0	03/08/10 15:21

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1

A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell

Attn: Madeline Mauk

Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	101				18	137	%	1.0	03/08/10 15:21
367-12-4	2-Fluorophenol(surr)	19.1				15	115	%	1.0	03/08/10 15:21
4165-60-0	Nitrobenzene-d5(surr)	94.8				23	120	%	1.0	03/08/10 15:21

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: DUP-1
A&B Job Sample ID: 10030308.04

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/05/2010
QC Batch ID:	Qb10030807	Date Received	03/05/2010 16:31
Prep Method:	TX 1005	Date Prepared	03/08/2010 09:45
Prepared By:	Dshen		
Prep Batch ID	PB10030805		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/08/10 12:14
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/08/10 12:14
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/08/10 12:14
	Total C6-C35	BRL				----	----	mg/L	1	03/08/10 12:14
111-85-3	1-Chlorooctane(surr)	80.8				59	122	%	1	03/08/10 12:14
3386-33-2	Chlorooctadecane(surr)	85.8				48	123	%	1	03/08/10 12:14

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: FB-030510
A&B Job Sample ID: 10030308.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Sample Matrix: Water
Date Collected: 03/05/2010 14:55
Date Received: 03/05/2010 16:31
Date Prepared: 03/08/2010 12:00

Analyst Initial: HW
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:00
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 22:00
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:00
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:00
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:00
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: FB-030510
A&B Job Sample ID: 10030308.05

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010 14:55
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimel		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 22:00
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:00
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:00
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:00
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:00
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:00
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:00
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 22:00
17060-07-0	1,2-Dichloroethane-d4(surr)	102				70	130	%	1	03/08/10 22:00
1868-53-7	Dibromofluoromethane(surr)	98.1				70	130	%	1	03/08/10 22:00
2037-26-5	Toluene-d8(surr)	97.4				70	130	%	1	03/08/10 22:00
460-00-4	p-Bromofluorobenzene(surr)	91.3				70	130	%	1	03/08/10 22:00

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Metals by ICP/MS**	Sample Matrix	Water
Analytical Method:	SW-846 6020A	Date Collected	03/05/2010 15:00
QC Batch ID:	Qb10031127	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3005A	Date Prepared	03/10/2010 08:00
Prepared By:	Ssrinivasan		
Prep Batch ID	PB10031113		
Analyst Initial	SS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7440-38-2	Arsenic	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:46
7440-39-3	Barium	0.00025	J	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:46
7440-43-9	Cadmium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:46
7440-47-3	Chromium	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:46
7439-92-1	Lead	BRL	U	0.0002	0.0002	0.001	2	mg/L	1	03/10/10 12:46
7782-49-2	Selenium	BRL	U	0.001	0.001	0.001	2	mg/L	1	03/10/10 12:46
7440-22-4	Silver	BRL	U	0.0002	0.0002	0.001	0.5	mg/L	1	03/10/10 12:46

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Total Metals - Mercury**	Sample Matrix	Water
Analytical Method:	SW-846 7470A	Date Collected	03/05/2010 15:00
QC Batch ID:	Qb10031027	Date Received	03/05/2010 16:31
Prep Method:	SW-846 7470A	Date Prepared	03/10/2010 12:00
Prepared By:	jpeng		
Prep Batch ID	PB10031026		
Analyst Initial	JP	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
7439-97-6	Mercury	BRL	U	0.00003	0.00003	0.0005	0.01	mg/L	1	03/10/10 19:15

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822
Analyst Initial HW

Sample Matrix Water
Date Collected 03/05/2010 15:00
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 12:00
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:31
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 22:31
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:31
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:31
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:31
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Volatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8260B	Date Collected	03/05/2010 15:00
QC Batch ID:	Qb10031234	Date Received	03/05/2010 16:31
Prep Method:	EPA 624	Date Prepared	03/08/2010 12:00
Prepared By:	Whuimei		
Prep Batch ID	PB10030822		
Analyst Initial	HW	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 22:31
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 22:31
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:31
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 22:31
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 22:31
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 22:31
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 22:31
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 22:31
17060-07-0	1,2-Dichloroethane-d4(surr)	99.7				70	130	%	1	03/08/10 22:31
1868-53-7	Dibromofluoromethane(surr)	107				70	130	%	1	03/08/10 22:31
2037-26-5	Toluene-d8(surr)	102				70	130	%	1	03/08/10 22:31
460-00-4	p-Bromofluorobenzene(surr)	96.4				70	130	%	1	03/08/10 22:31

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803
Analyst Initial ML

Sample Matrix Water
Date Collected 03/05/2010 15:00
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:55
95-50-1	1,2-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:55
106-46-7	1,4-Dichlorobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
95-95-4	2,4,5-Trichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
88-06-2	2,4,6-Trichlorophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:55
120-83-2	2,4-Dichlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
105-67-9	2,4-Dimethylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
51-28-5	2,4-Dinitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:55
121-14-2	2,4-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
606-20-2	2,6-Dinitrotoluene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
91-58-7	2-Chloronaphthalene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
95-57-8	2-Chlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
91-57-6	2-Methylnaphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
95-48-7	2-Methylphenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
88-74-4	2-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
88-75-5	2-Nitrophenol	BRL	U	0.007	0.007	0.01	0.12	mg/L	1.0	03/08/10 15:55
108-39-4 & 106-	3- & 4-Methylphenols	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
91-94-1	3,3-Dichlorobenzidine	BRL	U	0.011	0.011	0.01	0.12	mg/L	1.0	03/08/10 15:55
99-09-2	3-Nitroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
101-55-3	4-Bromophenyl phenyl ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
59-50-7	4-Chloro-3-methylphenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
106-47-8	4-Chloroaniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
7005-72-3	4-Chlorophenyl pheny ether	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
100-01-6	4-Nitroaniline	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
100-02-7	4-Nitrophenol	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
83-32-9	Acenaphthene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
208-96-8	Acenaphthylene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
62-53-3	Aniline	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
120-12-7	Anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
103-33-3	Azobenzene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
92-87-5	Benzidine	BRL	U,V1	0.013	0.013	0.01	0.12	mg/L	1.0	03/08/10 15:55
56-55-3	Benzo(a)anthracene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
50-32-8	Benzo(a)pyrene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
205-99-2	Benzo(b)fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
191-24-2	Benzo(g,h,i)perylene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Semivolatile Organic Compounds**
Analytical Method: SW-846 8270D
QC Batch ID: Qb10030923
Prep Method: SW-846 3510C
Prepared By: Lwang
Prep Batch ID PB10030803

Sample Matrix Water
Date Collected 03/05/2010 15:00
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 08:46

Analyst Initial ML

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
207-08-9	Benzo(k)fluoranthene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
65-85-0	Benzoic acid	BRL	U	0.019	0.019	0.01	0.12	mg/L	1.0	03/08/10 15:55
100-51-6	Benzyl alcohol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
111-91-1	Bis(2-chloroethoxy) methane	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
111-44-4	Bis(2-chloroethyl) ether	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
108-60-1	Bis(2-chloroisopropyl) ether	BRL	U,V1	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	0.008	0.008	0.01	0.12	mg/L	1.0	03/08/10 15:55
85-68-7	Butyl benzyl phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
86-74-8	Carbazole	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
218-01-9	Chrysene	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:55
53-70-3	Dibenzo(a,h)anthracene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
132-64-9	Dibenzofuran	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
84-66-2	Diethyl phthalate	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
131-11-3	Dimethyl phthalate	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
84-74-2	Di-n-butyl phthalate	BRL	U	0.002	0.002	0.01	0.12	mg/L	1.0	03/08/10 15:55
117-84-0	Di-n-octyl Phthalate	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
206-44-0	Fluoranthene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
86-73-7	Fluorene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
118-74-1	Hexachlorobenzene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
87-68-3	Hexachlorobutadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
77-47-4	Hexachlorocyclopentadiene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
67-72-1	Hexachloroethane	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
193-39-5	Indeno(1,2,3-cd)pyrene	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
78-59-1	Isophorone	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
91-20-3	Naphthalene	BRL	U	0.004	0.004	0.01	0.12	mg/L	1.0	03/08/10 15:55
98-95-3	Nitrobenzene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
62-75-9	N-Nitrosodimethylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
621-64-7	N-nitroso-di-n-propylamine	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
86-30-6	N-Nitrosodiphenylamine	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
87-86-5	Pentachlorophenol	BRL	U	0.005	0.005	0.01	0.12	mg/L	1.0	03/08/10 15:55
85-01-8	Phenanthrene	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
108-95-2	Phenol	BRL	U	0.003	0.003	0.01	0.12	mg/L	1.0	03/08/10 15:55
129-00-0	Pyrene	BRL	U	0.006	0.006	0.01	0.12	mg/L	1.0	03/08/10 15:55
110-861	Pyridine	BRL	U	0.015	0.015	0.01	0.12	mg/L	1.0	03/08/10 15:55
118-79-6	2,4,6-Tribromophenol(surr)	73.8				19	122	%	1.0	03/08/10 15:55
13127-88-3	Phenol-d6(surr)	10.3				10	130	%	1.0	03/08/10 15:55
132-60-8	2-Fluorobiphenyl(surr)	81.1				30	115	%	1.0	03/08/10 15:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:	**Semivolatile Organic Compounds**	Sample Matrix	Water
Analytical Method:	SW-846 8270D	Date Collected	03/05/2010 15:00
QC Batch ID:	Qb10030923	Date Received	03/05/2010 16:31
Prep Method:	SW-846 3510C	Date Prepared	03/08/2010 08:46
Prepared By:	Lwang		
Prep Batch ID	PB10030803		
Analyst Initial	ML	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
1718-51-0	p-Terphenyl-d14(surr)	96.9				18	137	%	1.0	03/08/10 15:55
367-12-4	2-Fluorophenol(surr)	18.8				15	115	%	1.0	03/08/10 15:55
4165-60-0	Nitrobenzene-d5(surr)	83.8				23	120	%	1.0	03/08/10 15:55

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: EB-030510
A&B Job Sample ID: 10030308.06

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description:		Sample Matrix	Water
Analytical Method:	TX 1005	Date Collected	03/05/2010 15:00
QC Batch ID:	Qb10030807	Date Received	03/05/2010 16:31
Prep Method:	TX 1005	Date Prepared	03/08/2010 09:45
Prepared By:	Dshen		
Prep Batch ID	PB10030805		
Analyst Initial	WS	% Moisture	

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
	C6-C12	BRL	U	0.940	0.94	1.5	60	mg/L	1	03/08/10 12:35
	>C12-C28	BRL	U	0.890	0.89	1.5	60	mg/L	1	03/08/10 12:35
	>C28-C35	BRL	U	0.880	0.88	1.5	60	mg/L	1	03/08/10 12:35
	Total C6-C35	BRL				----	----	mg/L	1	03/08/10 12:35
111-85-3	1-Chlorooctane(surr)	101				59	122	%	1	03/08/10 12:35
3386-33-2	Chlorooctadecane(surr)	105				48	123	%	1	03/08/10 12:35

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: TB-0360510 (Lab Prepared)
A&B Job Sample ID: 10030308.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Sample Matrix: Water
Date Collected: 03/05/2010 15:05
Date Received: 03/05/2010 16:31
Date Prepared: 03/08/2010 12:00

Analyst Initial: HW
% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
71-55-6	1,1,1-Trichloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
79-00-5	1,1,2-Trichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
75-34-3	1,1-Dichloroethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
75-35-4	1,1-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
563-58-6	1,1-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
87-61-6	1,2,3-trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
96-18-4	1,2,3-Trichloropropane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 23:02
120-82-1	1,2,4-Trichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
95-63-6	1,2,4-Trimethylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	0.004	0.0035	0.005	0.05	mg/L	1	03/08/10 23:02
106-93-4	1,2-Dibromoethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
95-50-1	1,2-Dichlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
107-06-2	1,2-Dichloroethane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
78-87-5	1,2-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
108-67-8	1,3,5-Trimethylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
541-73-1	1,3-Dichlorobenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
142-28-9	1,3-Dichloropropane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
106-46-7	1,4-Dichlorobenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
594-20-7	2,2-Dichloropropane	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
95-49-8	2-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
106-43-4	4-Chlorotoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
99-87-6	4-Isopropyltoluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
71-43-2	Benzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
108-86-1	Bromobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
74-97-5	Bromochloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
75-27-4	Bromodichloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
75-25-2	Bromoform	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 23:02
74-83-9	Bromomethane	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 23:02
56-23-5	Carbon tetrachloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
108-90-7	Chlorobenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
75-00-3	Chloroethane	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 23:02
67-66-3	Chloroform	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
74-87-3	Chloromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
156-59-2	cis-1,2-Dichloroethylene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
10061-01-5	cis-1,3-Dichloropropene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02

Soil results reported on dry weight basis

LABORATORY TEST RESULTS---TRRP13

Client Sample ID: TB-0360510 (Lab Prepared)
A&B Job Sample ID: 10030308.07

Date: 3/15/2010

Client Name: Brown & Caldwell
Attn: Madeline Mauk
Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX

Test Description: **Volatile Organic Compounds**
Analytical Method: SW-846 8260B
QC Batch ID: Qb10031234
Prep Method: EPA 624
Prepared By: Whuimei
Prep Batch ID PB10030822

Sample Matrix Water
Date Collected 03/05/2010 15:05
Date Received 03/05/2010 16:31
Date Prepared 03/08/2010 12:00

Analyst Initial HW

% Moisture

CAS Number	Parameter	Result	Flag	SDL	MDL	MQL	UQL	Units	DF	Date/Time
124-48-1	Dibromochloromethane	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
74-95-3	Dibromomethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
75-71-8	Dichlorodifluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
100-41-4	Ethylbenzene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
98-82-8	Isopropylbenzene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
108-38-3&106-4	m- & p-Xylenes	BRL	U	0.003	0.0025	0.01	0.1	mg/L	1	03/08/10 23:02
78-93-3	MEK	BRL	U	0.005	0.005	0.005	0.05	mg/L	1	03/08/10 23:02
75-09-2	Methylene chloride	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 23:02
91-20-3	Naphthalene	BRL	U	0.003	0.003	0.005	0.05	mg/L	1	03/08/10 23:02
104-51-8	n-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
103-65-1	n-Propylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
95-47-6	o-Xylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
135-98-8	sec-Butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
100-42-5	Styrene	BRL	U	0.001	0.001	0.005	0.05	mg/L	1	03/08/10 23:02
98-06-6	t-butylbenzene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
127-18-4	Tetrachloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
108-88-3	Toluene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
156-60-5	trans-1,2-Dichloroethylene	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
10061-02-6	trans-1,3-Dichloropropene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
79-01-6	Trichloroethylene	BRL	U	0.002	0.002	0.005	0.05	mg/L	1	03/08/10 23:02
75-69-4	Trichlorofluoromethane	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
75-01-4	Vinyl Chloride	BRL	U	0.002	0.0015	0.005	0.05	mg/L	1	03/08/10 23:02
	Xylenes	BRL	U	0.005	0.005	0.015	0.15	mg/L	1	03/08/10 23:02
17060-07-0	1,2-Dichloroethane-d4(surr)	99.3				70	130	%	1	03/08/10 23:02
1868-53-7	Dibromofluoromethane(surr)	101				70	130	%	1	03/08/10 23:02
2037-26-5	Toluene-d8(surr)	98.5				70	130	%	1	03/08/10 23:02
460-00-4	p-Bromofluorobenzene(surr)	95.8				70	130	%	1	03/08/10 23:02

Soil results reported on dry weight basis

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Method :** **TX 1005** **Reporting Units : mg/L**

QC Batch ID : Qb10030807 **Created Date :** 03/08/10 **Created By :** Dshen

Samples in This QC Batch : 10030308.01,02,03,04,06

Sample Preparation : PB10030805 **Prep Method :** TX 1005 **Prep Date :** 03/08/10 09:45 **Prep By :** Dshen

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
C6-C12		BRL	mg/L	1	1.5	0.94		
>C12-C28		BRL	mg/L	1	1.5	0.89		
>C28-C35		BRL	mg/L	1	1.5	0.88		
Total C6-C35		BRL	mg/L	1	----			

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
C6-C12	30	30.3	101	30	29.8	99.3	1.7	20	75-125	
>C12-C28	30	29.5	98.3	30	29	96.7	1.7	20	75-125	
>C28-C35	30	31.7	106	30	29.1	97	8.6	20	75-125	

QC Type: MS and MSD
QC Sample ID: 10030308.01

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	30	32.2	107						75-125	
>C12-C28	BRL	30	31.4	103						75-125	
>C28-C35	BRL	30	30.5	102						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : Semivolatile Organic Compounds **Method :** SW-846 8270D **Reporting Units :** mg/L

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030308.01,02,03,04,06

Extraction : PB10030803 **Prep Method :** SW-846 3510C **Prep Date :** 03/08/10 08:46 **Prep By :** Lwang

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	1	0.01	0.002		
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	1	0.01	0.003		
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	1	0.01	0.002		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	1	0.01	0.003		
2,4,5-Trichlorophenol	95-95-4	BRL	mg/L	1	0.01	0.005		
2,4,6-Trichlorophenol	88-06-2	BRL	mg/L	1	0.01	0.007		
2,4-Dichlorophenol	120-83-2	BRL	mg/L	1	0.01	0.005		
2,4-Dimethylphenol	105-67-9	BRL	mg/L	1	0.01	0.006		
2,4-Dinitrophenol	51-28-5	BRL	mg/L	1	0.01	0.007		
2,4-Dinitrotoluene	121-14-2	BRL	mg/L	1	0.01	0.006		
2,6-Dinitrotoluene	606-20-2	BRL	mg/L	1	0.01	0.006		
2-Chloronaphthalene	91-58-7	BRL	mg/L	1	0.01	0.005		
2-Chlorophenol	95-57-8	BRL	mg/L	1	0.01	0.005		
2-Methylnaphthalene	91-57-6	BRL	mg/L	1	0.01	0.004		
2-Methylphenol	95-48-7	BRL	mg/L	1	0.01	0.005		
2-Nitroaniline	88-74-4	BRL	mg/L	1	0.01	0.004		
2-Nitrophenol	88-75-5	BRL	mg/L	1	0.01	0.007		
3- & 4-Methylphenols	108-39-4 & 106-44-5	BRL	mg/L	1	0.01	0.005		
3,3-Dichlorobenzidine	91-94-1	BRL	mg/L	1	0.01	0.011		
3-Nitroaniline	99-09-2	BRL	mg/L	1	0.01	0.003		
4,6-Dinitro-2-methylphenol	534-52-1	BRL	mg/L	1	0.01	0.006		
4-Bromophenyl phenyl ethe	101-55-3	BRL	mg/L	1	0.01	0.006		
4-Chloro-3-methylphenol	59-50-7	BRL	mg/L	1	0.01	0.004		
4-Chloroaniline	106-47-8	BRL	mg/L	1	0.01	0.003		
4-Chlorophenyl pheny ether	7005-72-3	BRL	mg/L	1	0.01	0.006		
4-Nitroaniline	100-01-6	BRL	mg/L	1	0.01	0.004		
4-Nitrophenol	100-02-7	BRL	mg/L	1	0.01	0.004		
Acenaphthene	83-32-9	BRL	mg/L	1	0.01	0.005		
Acenaphthylene	208-96-8	BRL	mg/L	1	0.01	0.004		
Aniline	62-53-3	BRL	mg/L	1	0.01	0.003		
Anthracene	120-12-7	BRL	mg/L	1	0.01	0.005		
Azobenzene	103-33-3	BRL	mg/L	1	0.01	0.004		
Benzidine	92-87-5	BRL	mg/L	1	0.01	0.013		
Benzo(a)anthracene	56-55-3	BRL	mg/L	1	0.01	0.004		
Benzo(a)pyrene	50-32-8	BRL	mg/L	1	0.01	0.004		
Benzo(b)fluoranthene	205-99-2	BRL	mg/L	1	0.01	0.004		
Benzo(g,h,I)perylene	191-24-2	BRL	mg/L	1	0.01	0.005		
Benzo(k)fluoranthene	207-08-9	BRL	mg/L	1	0.01	0.003		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mil

Samples in This QC Batch : 10030308.01,02,03,04,06

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Benzoic acid	65-85-0	BRL	mg/L	1	0.01	0.019		
Benzyl alcohol	100-51-6	BRL	mg/L	1	0.01	0.005		
Bis(2-chloroethoxy) methan	111-91-1	BRL	mg/L	1	0.01	0.005		
Bis(2-chloroethyl) ether	111-44-4	BRL	mg/L	1	0.01	0.003		
Bis(2-chloroisopropyl) ether	108-60-1	BRL	mg/L	1	0.01	0.003		
Bis(2-ethylhexyl)phthalate	117-81-7	BRL	mg/L	1	0.01	0.008		
Butyl benzyl phthalate	85-68-7	BRL	mg/L	1	0.01	0.005		
Carbazole	86-74-8	BRL	mg/L	1	0.01	0.006		
Chrysene	218-01-9	BRL	mg/L	1	0.01	0.002		
Dibenzo(a,h)anthracene	53-70-3	BRL	mg/L	1	0.01	0.005		
Dibenzofuran	132-64-9	BRL	mg/L	1	0.01	0.003		
Diethyl phthalate	84-66-2	BRL	mg/L	1	0.01	0.004		
Dimethyl phthalate	131-11-3	BRL	mg/L	1	0.01	0.003		
Di-n-butyl phthalate	84-74-2	BRL	mg/L	1	0.01	0.002		
Di-n-octyl Phthalate	117-84-0	BRL	mg/L	1	0.01	0.005		
Fluoranthene	206-44-0	BRL	mg/L	1	0.01	0.004		
Fluorene	86-73-7	BRL	mg/L	1	0.01	0.006		
Hexachlorobenzene	118-74-1	BRL	mg/L	1	0.01	0.005		
Hexachlorobutadiene	87-68-3	BRL	mg/L	1	0.01	0.003		
Hexachlorocyclopentadiene	77-47-4	BRL	mg/L	1	0.01	0.003		
Hexachloroethane	67-72-1	BRL	mg/L	1	0.01	0.003		
Indeno(1,2,3-cd)pyrene	193-39-5	BRL	mg/L	1	0.01	0.005		
Isophorone	78-59-1	BRL	mg/L	1	0.01	0.006		
Naphthalene	91-20-3	BRL	mg/L	1	0.01	0.004		
Nitrobenzene	98-95-3	BRL	mg/L	1	0.01	0.003		
N-Nitrosodimethylamine	62-75-9	BRL	mg/L	1	0.01	0.003		
N-nitroso-di-n-propylamine	621-64-7	BRL	mg/L	1	0.01	0.003		
N-Nitrosodiphenylamine	86-30-6	BRL	mg/L	1	0.01	0.005		
Pentachlorophenol	87-86-5	BRL	mg/L	1	0.01	0.005		
Phenanthrene	85-01-8	BRL	mg/L	1	0.01	0.003		
Phenol	108-95-2	BRL	mg/L	1	0.01	0.003		
Pyrene	129-00-0	BRL	mg/L	1	0.01	0.006		
Pyridine	110-861	BRL	mg/L	1	0.01	0.015		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mii

Samples in This QC Batch : 10030308.01,02,03,04,06

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2,4-Trichlorobenzene	0.05	0.035	70	0.05	0.034	68	2.9	35	6-126	
1,2-Dichlorobenzene	0.05	0.035	70	0.05	0.034	68	2.9	35	18-102	
1,3-Dichlorobenzene	0.05	0.035	70	0.05	0.035	70	0.0	35	18-100	
1,4-Dichlorobenzene	0.05	0.034	68	0.05	0.034	68	0.0	35	14-109	
2,4,5-Trichlorophenol	0.05	0.035	70	0.05	0.036	72	2.8	35	16-124	
2,4,6-Trichlorophenol	0.05	0.038	76	0.05	0.037	74	2.7	35	19-120	
2,4-Dichlorophenol	0.05	0.034	68	0.05	0.033	66	3	35	9-121	
2,4-Dimethylphenol	0.05	0.036	72	0.05	0.037	74	2.7	35	D-121	
2,4-Dinitrophenol	0.05	0.029	58	0.05	0.026	52	10.9	35	20-110	
2,4-Dinitrotoluene	0.05	0.037	74	0.05	0.039	78	5.3	35	18-137	
2,6-Dinitrotoluene	0.05	0.037	74	0.05	0.037	74	0.0	35	26-122	
2-Chloronaphthalene	0.05	0.037	74	0.05	0.037	74	0.0	35	19-118	
2-Chlorophenol	0.05	0.035	70	0.05	0.034	68	2.9	35	18-102	
2-Methylnaphthalene	0.05	0.034	68	0.05	0.033	66	3	35	7-124	
2-Methylphenol	0.05	0.038	76	0.05	0.035	70	8.2	35	26-114	
2-Nitroaniline	0.05	0.038	76	0.05	0.037	74	2.7	35	20-110	
2-Nitrophenol	0.05	0.036	72	0.05	0.036	72	0.0	35	16-109	
3- & 4-Methylphenols	0.05	0.041	82	0.05	0.036	72	13	35	8-104	
3,3-Dichlorobenzidine	0.08	0.056	70	0.08	0.059	73.8	5.2	35	20-110	
3-Nitroaniline	0.05	0.032	64	0.05	0.04	80	22.2	35	20-110	
4,6-Dinitro-2-methylphenol	0.05	0.03	60	0.05	0.03	60	0.0	35	8-124	
4-Bromophenyl phenyl ethe	0.05	0.036	72	0.05	0.034	68	5.7	35	33-113	
4-Chloro-3-methylphenol	0.05	0.039	78	0.05	0.04	80	2.5	35	17-122	
4-Chloroaniline	0.05	0.037	74	0.05	0.036	72	2.7	35	20-110	
4-Chlorophenyl pheny ether	0.05	0.036	72	0.05	0.033	66	8.7	35	27-120	
4-Nitroaniline	0.05	0.037	74	0.05	0.037	74	0.0	35	20-110	
4-Nitrophenol	0.05	0.033	66	0.05	0.036	72	8.7	35	D-112	
Acenaphthene	0.05	0.037	74	0.05	0.036	72	2.7	35	23-131	
Acenaphthylene	0.05	0.037	74	0.05	0.038	76	2.7	35	24-117	
Aniline	0.05	0.038	76	0.05	0.038	76	0.0	35	28-107	
Anthracene	0.05	0.037	74	0.05	0.039	78	5.3	35	32-118	
Azobenzene	0.05	0.039	78	0.05	0.039	78	0.0	35	20-110	
Benzidine	0.08	0.039	48.8	0.08	0.043	53.8	9.8	35	D-135	
Benzo(a)anthracene	0.05	0.036	72	0.05	0.036	72	0.0	35	36-115	
Benzo(a)pyrene	0.05	0.033	66	0.05	0.034	68	3	35	28-116	
Benzo(b)fluoranthene	0.05	0.038	76	0.05	0.033	66	14.1	35	27-121	
Benzo(g,h,i)perylene	0.05	0.031	62	0.05	0.032	64	3.2	35	18-123	
Benzo(k)fluoranthene	0.05	0.034	68	0.05	0.035	70	2.9	35	21-122	
Benzoic acid	0.09	0.046	51.1	0.09	0.05	55.6	8.3	35	D-129	
Benzyl alcohol	0.05	0.037	74	0.05	0.031	62	17.6	35	15-135	
Bis(2-chloroethoxy) methan	0.05	0.035	70	0.05	0.037	74	5.6	35	20-107	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Semivolatile Organic Compounds** **Method :** **SW-846 8270D** **Reporting Units :** **mg/L**

QC Batch ID : Qb10030923 **Created Date :** 03/09/10 **Created By :** Mli

Samples in This QC Batch : 10030308.01,02,03,04,06

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Bis(2-chloroethyl) ether	0.05	0.033	66	0.05	0.031	62	6.3	35	23-95	
Bis(2-chloroisopropyl) ether	0.05	0.039	78	0.05	0.039	78	0.0	35	17-104	
Bis(2-ethylhexyl)phthalate	0.05	0.037	74	0.05	0.033	66	11.4	35	9-133	
Butyl benzyl phthalate	0.05	0.037	74	0.05	0.031	62	17.6	35	14-135	
Carbazole	0.05	0.036	72	0.05	0.038	76	5.4	35	28-120	
Chrysene	0.05	0.037	74	0.05	0.035	70	5.6	35	36-117	
Dibenzo(a,h)anthracene	0.05	0.031	62	0.05	0.031	62	0.0	35	26-118	
Dibenzofuran	0.05	0.035	70	0.05	0.034	68	2.9	35	22-122	
Diethyl phthalate	0.05	0.039	78	0.05	0.038	76	2.6	35	25-128	
Dimethyl phthalate	0.05	0.037	74	0.05	0.037	74	0.0	35	27-122	
Di-n-butyl phthalate	0.05	0.038	76	0.05	0.039	78	2.6	35	25-128	
Di-n-octyl Phthalate	0.05	0.037	74	0.05	0.037	74	0.0	35	18-128	
Fluoranthene	0.05	0.038	76	0.05	0.042	84	10	35	27-131	
Fluorene	0.05	0.037	74	0.05	0.036	72	2.7	35	26-126	
Hexachlorobenzene	0.05	0.036	72	0.05	0.035	70	2.8	35	30-130	
Hexachlorobutadiene	0.05	0.036	72	0.05	0.035	70	2.8	35	5-115	
Hexachlorocyclopentadiene	0.05	0.024	48	0.05	0.024	48	0.0	35	D-95	
Hexachloroethane	0.05	0.035	70	0.05	0.034	68	2.9	35	14-102	
Indeno(1,2,3-cd)pyrene	0.05	0.032	64	0.05	0.03	60	6.5	35	24-126	
Isophorone	0.05	0.042	84	0.05	0.044	88	4.7	35	15-114	
Naphthalene	0.05	0.036	72	0.05	0.036	72	0.0	35	19-112	
Nitrobenzene	0.05	0.04	80	0.05	0.038	76	5.1	35	20-109	
N-Nitrosodimethylamine	0.05	0.03	60	0.05	0.034	68	12.5	35	5-92	
N-nitroso-di-n-propylamine	0.05	0.04	80	0.05	0.039	78	2.5	35	24-114	
N-Nitrosodiphenylamine	0.05	0.036	72	0.05	0.035	70	2.8	35	35-135	
Pentachlorophenol	0.05	0.032	64	0.05	0.032	64	0.0	35	D-128	
Phenanthrene	0.05	0.036	72	0.05	0.034	68	5.7	35	31-119	
Phenol	0.05	0.036	72	0.05	0.034	68	5.7	35	D-111	
Pyrene	0.05	0.035	70	0.05	0.028	56	22.2	35	10-145	
Pyridine	0.05	0.035	70	0.05	0.035	70	0.0	35	D-129	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Total Metals - Mercury** **Method :** **SW-846 7470A** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031027 **Created Date :** 03/10/10 **Created By :** jpeng

Samples in This QC Batch : 10030308.01,02,03,04,06

Digestion : PB10031026 **Prep Method :** SW-846 7470A **Prep Date :** 03/10/10 12:00 **Prep By :** jpeng

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Mercury	7439-97-6	BRL	mg/L	1	0.0005	0.00003		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Mercury	0.005	0.00449	89.8	0.005	0.00463	92.6	3.1	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030257.08

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Mercury	0.00007	0.005	0.00481	94.8						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Metals by ICP/MS** **Method :** **SW-846 6020A** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031127 **Created Date :** 03/10/10 **Created By :** Ssrinivasan

Samples in This QC Batch : 10030308.01,02,03,04,06

Digestion : PB10031113 **Prep Method :** SW-846 3005A **Prep Date :** 03/10/10 08:00 **Prep By :** Ssrinivasan

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Arsenic	7440-38-2	BRL	mg/L	1	0.001	0.0002		
Barium	7440-39-3	BRL	mg/L	1	0.001	0.0002		
Cadmium	7440-43-9	BRL	mg/L	1	0.001	0.0002		
Chromium	7440-47-3	BRL	mg/L	1	0.001	0.0002		
Lead	7439-92-1	BRL	mg/L	1	0.001	0.0002		
Selenium	7782-49-2	BRL	mg/L	1	0.001	0.001		
Silver	7440-22-4	BRL	mg/L	1	0.001	0.0002		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Arsenic	0.05	0.04995	99.9	0.05	0.04939	98.8	1.1	20	80-120	
Barium	0.05	0.04875	97.5	0.05	0.04866	97.3	0.2	20	80-120	
Cadmium	0.05	0.04932	98.6	0.05	0.0496	99.2	0.6	20	80-120	
Chromium	0.05	0.04901	98	0.05	0.04941	98.8	0.8	20	80-120	
Lead	0.05	0.04821	96.4	0.05	0.04819	96.4	0	20	80-120	
Selenium	0.05	0.04865	97.3	0.05	0.04891	97.8	0.5	20	80-120	
Silver	0.05	0.04649	93	0.05	0.04634	92.7	0.3	20	80-120	

QC Type: MS and MSD
QC Sample ID: 10030308.02

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Arsenic	0.00091	0.1	0.09879	97.9						75-125	
Barium	0.3882	0.1	0.4882	100						75-125	
Cadmium	BRL	0.1	0.09761	97.6						75-125	
Chromium	BRL	0.1	0.09674	96.7						75-125	
Lead	BRL	0.1	0.09802	98						75-125	
Selenium	BRL	0.1	0.09463	94.6						75-125	
Silver	BRL	0.1	0.09298	93						75-125	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : Volatile Organic Compounds **Method :** SW-846 8260B **Reporting Units :** mg/L

QC Batch ID : Qb10031234 **Created Date :** 03/08/10 **Created By :** Whuimei

Samples in This QC Batch : 10030308.01,02,03,04,05,06,07

Sample Preparation : PB10030822 **Prep Method :** EPA 624 **Prep Date :** 03/08/10 12:00 **Prep By :** Whuimei

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
1,1,1,2-Tetrachloroethane	630-20-6	BRL	mg/L	25	0.005	0.0015		
1,1,1-Trichloroethane	71-55-6	BRL	mg/L	25	0.005	0.002		
1,1,2,2-Tetrachloroethane	79-34-5	BRL	mg/L	25	0.005	0.002		
1,1,2-Trichloroethane	79-00-5	BRL	mg/L	25	0.005	0.0015		
1,1-Dichloroethane	75-34-3	BRL	mg/L	25	0.005	0.0015		
1,1-Dichloroethylene	75-35-4	BRL	mg/L	25	0.005	0.0015		
1,1-Dichloropropene	563-58-6	BRL	mg/L	25	0.005	0.002		
1,2,3-trichlorobenzene	87-61-6	BRL	mg/L	25	0.005	0.0015		
1,2,3-Trichloropropane	96-18-4	BRL	mg/L	25	0.005	0.005		
1,2,4-Trichlorobenzene	120-82-1	BRL	mg/L	25	0.005	0.0015		
1,2,4-Trimethylbenzene	95-63-6	BRL	mg/L	25	0.005	0.001		
1,2-Dibromo-3-chloropropa	96-12-8	BRL	mg/L	25	0.005	0.0035		
1,2-Dibromoethane	106-93-4	BRL	mg/L	25	0.005	0.002		
1,2-Dichlorobenzene	95-50-1	BRL	mg/L	25	0.005	0.002		
1,2-Dichloroethane	107-06-2	BRL	mg/L	25	0.005	0.001		
1,2-Dichloropropane	78-87-5	BRL	mg/L	25	0.005	0.0015		
1,3,5-Trimethylbenzene	108-67-8	BRL	mg/L	25	0.005	0.0015		
1,3-Dichlorobenzene	541-73-1	BRL	mg/L	25	0.005	0.0015		
1,3-Dichloropropane	142-28-9	BRL	mg/L	25	0.005	0.0015		
1,4-Dichlorobenzene	106-46-7	BRL	mg/L	25	0.005	0.001		
2,2-Dichloropropane	594-20-7	BRL	mg/L	25	0.005	0.001		
2-Chlorotoluene	95-49-8	BRL	mg/L	25	0.005	0.0015		
4-Chlorotoluene	106-43-4	BRL	mg/L	25	0.005	0.0015		
4-Isopropyltoluene	99-87-6	BRL	mg/L	25	0.005	0.0015		
Benzene	71-43-2	BRL	mg/L	25	0.005	0.0015		
Bromobenzene	108-86-1	BRL	mg/L	25	0.005	0.002		
Bromochloromethane	74-97-5	BRL	mg/L	25	0.005	0.0015		
Bromodichloromethane	75-27-4	BRL	mg/L	25	0.005	0.002		
Bromoform	75-25-2	BRL	mg/L	25	0.005	0.003		
Bromomethane	74-83-9	BRL	mg/L	25	0.005	0.003		
Carbon tetrachloride	56-23-5	BRL	mg/L	25	0.005	0.0015		
Chlorobenzene	108-90-7	BRL	mg/L	25	0.005	0.002		
Chloroethane	75-00-3	BRL	mg/L	25	0.005	0.005		
Chloroform	67-66-3	BRL	mg/L	25	0.005	0.0015		
Chloromethane	74-87-3	BRL	mg/L	25	0.005	0.0015		
cis-1,2-Dichloroethylene	156-59-2	BRL	mg/L	25	0.005	0.001		
cis-1,3-Dichloropropene	10061-01-5	BRL	mg/L	25	0.005	0.0015		
Dibromochloromethane	124-48-1	BRL	mg/L	25	0.005	0.002		

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031234 **Created Date :** 03/08/10 **Created By :** Whuimei

Samples in This QC Batch : 10030308.01,02,03,04,05,06,07

QC Type: Method Blank

Parameter	CAS #	Result	Units	D.F.	MQL	MDL		Qual
Dibromomethane	74-95-3	BRL	mg/L	25	0.005	0.0015		
Dichlorodifluoromethane	75-71-8	BRL	mg/L	25	0.005	0.0015		
Ethylbenzene	100-41-4	BRL	mg/L	25	0.005	0.002		
Isopropylbenzene	98-82-8	BRL	mg/L	25	0.005	0.001		
m- & p-Xylenes	108-38-3&106-42-3	BRL	mg/L	25	0.01	0.0025		
MEK	78-93-3	BRL	mg/L	25	0.005	0.005		
Methylene chloride	75-09-2	BRL	mg/L	25	0.005	0.003		
Naphthalene	91-20-3	BRL	mg/L	25	0.005	0.003		
n-Butylbenzene	104-51-8	BRL	mg/L	25	0.005	0.0015		
n-Propylbenzene	103-65-1	BRL	mg/L	25	0.005	0.0015		
o-Xylene	95-47-6	BRL	mg/L	25	0.005	0.0015		
sec-Butylbenzene	135-98-8	BRL	mg/L	25	0.005	0.0015		
Styrene	100-42-5	BRL	mg/L	25	0.005	0.001		
t-butylbenzene	98-06-6	BRL	mg/L	25	0.005	0.0015		
Tetrachloroethylene	127-18-4	BRL	mg/L	25	0.005	0.0015		
Toluene	108-88-3	BRL	mg/L	25	0.005	0.0015		
trans-1,2-Dichloroethylene	156-60-5	BRL	mg/L	25	0.005	0.0015		
trans-1,3-Dichloropropene	10061-02-6	BRL	mg/L	25	0.005	0.002		
Trichloroethylene	79-01-6	BRL	mg/L	25	0.005	0.002		
Trichlorofluoromethane	75-69-4	BRL	mg/L	25	0.005	0.0015		
Vinyl Chloride	75-01-4	BRL	mg/L	25	0.005	0.0015		
Xylenes		BRL	mg/L	25	0.015	0.005		

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	0.02	0.02	100	0.02	0.018	90	10.5	35	80-120	
1,1,1-Trichloroethane	0.02	0.019	95	0.02	0.019	95	0	35	80-120	
1,1,2,2-Tetrachloroethane	0.02	0.019	95	0.02	0.019	95	0	35	80-120	
1,1,2-Trichloroethane	0.02	0.02	100	0.02	0.02	100	0	35	80-120	
1,1-Dichloroethane	0.02	0.021	105	0.02	0.02	100	4.9	35	77.6-124	
1,1-Dichloroethylene	0.02	0.021	105	0.02	0.019	95	10	35	75.5-124	
1,1-Dichloropropene	0.02	0.021	105	0.02	0.019	95	10	35	77-125	
1,2,3-trichlorobenzene	0.02	0.022	110	0.02	0.021	105	4.6	35	79.4-127	
1,2,3-Trichloropropane	0.02	0.02	100	0.02	0.021	105	4.9	35	62.3-140	
1,2,4-Trichlorobenzene	0.02	0.022	110	0.02	0.021	105	4.6	35	81.6-120	
1,2,4-Trimethylbenzene	0.02	0.021	105	0.02	0.02	100	4.9	35	81.6-118	
1,2-Dibromo-3-chloropropa	0.02	0.017	85	0.02	0.02	100	16.2	35	63.5-139	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031234 **Created Date :** 03/08/10 **Created By :** Whuimei

Samples in This QC Batch : 10030308.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
1,2-Dibromoethane	0.02	0.019	95	0.02	0.02	100	5.1	35	80-120	
1,2-Dichlorobenzene	0.02	0.021	105	0.02	0.021	105	0	35	86.4-118	
1,2-Dichloroethane	0.02	0.018	90	0.02	0.018	90	0	35	74.5-129	
1,2-Dichloropropane	0.02	0.02	100	0.02	0.02	100	0	35	80-120	
1,3,5-Trimethylbenzene	0.02	0.022	110	0.02	0.02	100	9.5	35	80-120	
1,3-Dichlorobenzene	0.02	0.022	110	0.02	0.021	105	4.6	35	80-120	
1,3-Dichloropropane	0.02	0.019	95	0.02	0.019	95	0	35	74.7-122	
1,4-Dichlorobenzene	0.02	0.022	110	0.02	0.02	100	9.5	35	80-120	
2,2-Dichloropropane	0.02	0.02	100	0.02	0.019	95	5.1	35	75.9-126	
2-Chlorotoluene	0.02	0.022	110	0.02	0.02	100	9.5	35	80-120	
4-Chlorotoluene	0.02	0.022	110	0.02	0.02	100	9.5	35	80-120	
4-Isopropyltoluene	0.02	0.021	105	0.02	0.02	100	4.9	35	80-120	
Benzene	0.02	0.021	105	0.02	0.02	100	4.9	35	80-120	
Bromobenzene	0.02	0.021	105	0.02	0.02	100	4.9	35	80-120	
Bromochloromethane	0.02	0.021	105	0.02	0.02	100	4.9	35	70.8-133	
Bromodichloromethane	0.02	0.02	100	0.02	0.019	95	5.1	35	80-119	
Bromoform	0.02	0.018	90	0.02	0.019	95	5.4	35	78.8-127	
Bromomethane	0.02	0.023	115	0.02	0.021	105	9.1	35	53-138	
Carbon tetrachloride	0.02	0.019	95	0.02	0.018	90	5.4	35	81.5-123	
Chlorobenzene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
Chloroethane	0.02	0.019	95	0.02	0.018	90	5.4	35	75.6-128	
Chloroform	0.02	0.02	100	0.02	0.019	95	5.1	35	79-123	
Chloromethane	0.02	0.021	105	0.02	0.02	100	4.9	35	69.6-125	
cis-1,2-Dichloroethylene	0.02	0.021	105	0.02	0.019	95	10	35	74.5-132	
cis-1,3-Dichloropropene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
Dibromochloromethane	0.02	0.019	95	0.02	0.019	95	0	35	82.8-117	
Dibromomethane	0.02	0.02	100	0.02	0.02	100	0	35	78.8-125	
Dichlorodifluoromethane	0.02	0.019	95	0.02	0.018	90	5.4	35	71.9-119	
Ethylbenzene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
Isopropylbenzene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
m- & p-Xylenes	0.04	0.039	97.5	0.04	0.038	95	2.6	35	80-120	
MEK	0.02	0.02	100	0.02	0.019	95	5.1	35	47.5-159	
Methylene chloride	0.02	0.02	100	0.02	0.018	90	10.5	35	69.4-131	
Naphthalene	0.02	0.022	110	0.02	0.022	110	0	35	70.8-128	
n-Butylbenzene	0.02	0.022	110	0.02	0.021	105	4.6	35	78.5-118	
n-Propylbenzene	0.02	0.022	110	0.02	0.02	100	9.5	35	81.5-117	
o-Xylene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
sec-Butylbenzene	0.02	0.022	110	0.02	0.02	100	9.5	35	82.6-117	
Styrene	0.02	0.019	95	0.02	0.019	95	0	35	80-120	
t-butylbenzene	0.02	0.021	105	0.02	0.02	100	4.9	35	80-120	
Tetrachloroethylene	0.02	0.019	95	0.02	0.019	95	0	35	40-168	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031234 **Created Date :** 03/08/10 **Created By :** Whuimei

Samples in This QC Batch : 10030308.01,02,03,04,05,06,07

QC Type: LCS and LCSD

Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Toluene	0.02	0.02	100	0.02	0.019	95	5.1	35	77.1-121	
trans-1,2-Dichloroethylene	0.02	0.021	105	0.02	0.019	95	10	35	77.5-122	
trans-1,3-Dichloropropene	0.02	0.019	95	0.02	0.019	95	0	35	81.5-113	
Trichloroethylene	0.02	0.02	100	0.02	0.019	95	5.1	35	80-120	
Trichlorofluoromethane	0.02	0.019	95	0.02	0.018	90	5.4	35	80-132	
Vinyl Chloride	0.02	0.021	105	0.02	0.018	90	15.4	35	71.1-127	

QC Type: MS and MSD
QC Sample ID: 10030308.07

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
1,1,1,2-Tetrachloroethane	BRL	0.02	0.02	100						72-139	
1,1,1-Trichloroethane	BRL	0.02	0.018	90						82-137	
1,1,2,2-Tetrachloroethane	BRL	0.02	0.021	105						55-149	
1,1,2-Trichloroethane	BRL	0.02	0.02	100						68-139	
1,1-Dichloroethane	BRL	0.02	0.018	90						78-134	
1,1-Dichloroethylene	BRL	0.02	0.018	90						65-141	
1,1-Dichloropropene	BRL	0.02	0.018	90						79-136	
1,2,3-trichlorobenzene	BRL	0.02	0.022	110						54-144	
1,2,3-Trichloropropane	BRL	0.02	0.022	110						58-156	
1,2,4-Trichlorobenzene	BRL	0.02	0.02	100						69-127	
1,2,4-Trimethylbenzene	BRL	0.02	0.02	100						80-131	
1,2-Dibromo-3-chloropropa	BRL	0.02	0.022	110						61-145	
1,2-Dibromoethane	BRL	0.02	0.021	105						68-140	
1,2-Dichlorobenzene	BRL	0.02	0.021	105						70-138	
1,2-Dichloroethane	BRL	0.02	0.02	100						67-152	
1,2-Dichloropropane	BRL	0.02	0.019	95						79-135	
1,3,5-Trimethylbenzene	BRL	0.02	0.02	100						79-133	
1,3-Dichlorobenzene	BRL	0.02	0.02	100						79-128	
1,3-Dichloropropane	BRL	0.02	0.02	100						70-147	
1,4-Dichlorobenzene	BRL	0.02	0.019	95						76-127	
2,2-Dichloropropane	BRL	0.02	0.016	80						60-129	
2-Chlorotoluene	BRL	0.02	0.02	100						83-130	
4-Chlorotoluene	BRL	0.02	0.02	100						82-129	
4-Isopropyltoluene	BRL	0.02	0.02	100						78-129	
Benzene	BRL	0.02	0.019	95						73-129	
Bromobenzene	BRL	0.02	0.02	100						76-132	
Bromochloromethane	BRL	0.02	0.019	95						76-135	
Bromodichloromethane	BRL	0.02	0.02	100						80-136	
Bromoform	BRL	0.02	0.021	105						65-139	

Refer to the Definition page for terms.

QUALITY CONTROL CERTIFICATE

Job ID : 10030308 **Date :** 3/15/2010

Analysis : **Volatile Organic Compounds** **Method :** **SW-846 8260B** **Reporting Units :** **mg/L**

QC Batch ID : Qb10031234 **Created Date :** 03/08/10 **Created By :** Whuimei

Samples in This QC Batch : 10030308.01,02,03,04,05,06,07

QC Type: MS and MSD
QC Sample ID: 10030308.07

Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Bromomethane	BRL	0.02	0.02	100						65-150	
Carbon tetrachloride	BRL	0.02	0.019	95						86-137	
Chlorobenzene	BRL	0.02	0.019	95						69-123	
Chloroethane	BRL	0.02	0.016	80						74-145	
Chloroform	BRL	0.02	0.018	90						78-132	
Chloromethane	BRL	0.02	0.016	80						69-139	
cis-1,2-Dichloroethylene	BRL	0.02	0.018	90						71-134	
cis-1,3-Dichloropropene	BRL	0.02	0.019	95						74-128	
Dibromochloromethane	BRL	0.02	0.02	100						67-141	
Dibromomethane	BRL	0.02	0.021	105						75-135	
Dichlorodifluoromethane	BRL	0.02	0.017	85						62-146	
Ethylbenzene	BRL	0.02	0.019	95						80-132	
Isopropylbenzene	BRL	0.02	0.019	95						78-137	
m- & p-Xylenes	BRL	0.04	0.038	95						73-127	
MEK	BRL	0.02	0.021	105						52-148	
Methylene chloride	BRL	0.02	0.017	85						68-131	
Naphthalene	BRL	0.02	0.023	115						61-116	
n-Butylbenzene	BRL	0.02	0.02	100						73-140	
n-Propylbenzene	BRL	0.02	0.02	100						75-127	
o-Xylene	BRL	0.02	0.019	95						74-126	
sec-Butylbenzene	BRL	0.02	0.02	100						75-129	
Styrene	BRL	0.02	0.019	95						77-123	
t-butylbenzene	BRL	0.02	0.02	100						75-126	
Tetrachloroethylene	BRL	0.02	0.018	90						71-122	
Toluene	BRL	0.02	0.019	95						72-121	
trans-1,2-Dichloroethylene	BRL	0.02	0.018	90						73-138	
trans-1,3-Dichloropropene	BRL	0.02	0.018	90						70-133	
Trichloroethylene	BRL	0.02	0.019	95						6-138	
Trichlorofluoromethane	BRL	0.02	0.018	90						67-148	
Vinyl Chloride	BRL	0.02	0.017	85						80-122	

Refer to the Definition page for terms.

LABORATORY TERM AND QUALIFIER DEFINITION REPORT

Job ID : 10030308

Date: 3/15/2010

General Term Definition

Back-Wt	Back Weight	Post-Wt	Post Weight
BRL	Below Reporting Limit	ppm	parts per million
cfu	colony-forming units	Pre-Wt	Previous Weight
Conc.	Concentration	Q	Qualifier
D.F.	Dilution Factor	RegLimit	Regulatory Limit
Front-Wt	Front Weight	RPD	Relative Percent Difference
LCS	Laboratory Check Standard	RptLimit	Reporting Limit
LCSD	Laboratory Check Standard Duplicate	SDL	Sample Detection Limit
MS	Matrix Spike	surr	Surrogate
MSD	Matrix Spike Duplicate	T	Time
MW	Molecular Weight	TNTC	Too numerous to count

Qualifier Definition

J	Estimation. Below calibration range but above MDL.
U	Undetected at SDL (Sample Detection Limit).
V1	CCV recovery is above acceptance limits. This target analyte was not detected in the sample.

A&B Labs Chain of Custody

The Chain of Custody is a Legal Document

Page 1 of 1

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Houston, TX 77029
713-453-6060
1-877-478-6060 Toll Free
713-453-6091 Fax
ablabs.com

A&B JOB ID # 10030308

5. Project # 135936

1. REPORT TO:
Company: Brown + Caldwell
Address: 10777 Westheimer Suite 925
Contact: Mauk, Madeline
Phone: 713-646-1119
Fax: ☐
E-mail: ☒ MMauk@brwncaldwell.com

2. INVOICE TO: Same
Company:
Address:
Contact: ← Same
Phone:
Fax: ☐
E-mail: ☐

3. PO #

4. Turnaround Time (Business Days)
☐ 1 Day* ☐ Other
☐ 2 Days*
☐ 3 Days* *Surcharge applies
☒ 7 Days - Standard

6. Project Name/Location: City of Houston South gessner phase II / Houston Tx

7. Reporting Requirement:
☐ TRRP Limits only ☒ TRRP Rpt. Package ☐ See Attached ☐ Standard Level II

8. Sampler's Name & Company (PLEASE PRINT): Kira Norman (Brown + Caldwell)
Sampler's Signature & Date: Kira Norman

13.	14. Containers*	VOA 8021	VOA 8021	A/G	Plastic				
	15. Preservatives**	HCL	HCL	ICE	HNO3				
	16. PH-Lab Only								

LAB USE ONLY	9. Sample ID and Description	10. Sampling Date	Time	11. Comp.	Grab	12. Matrix Water	Soil	Sludge	Oil	Air	Other	No. of Containers	TPH-1005	VOC-8260B	SVOC-8270D	RCRA (8) metals 6010 6020 7470					18. REMARKS
01A	MW-1	3/5/10	1018		X	X						8	X	X	X	X					
02A	MW-2	3/5/10	1200		X	X						8	X	X	X	X					
03A	MW-3	3/5/10	1330		X	X						8	X	X	X	X					
04A	Dup-1	3/5/10	—		X	X						8	X	X	X	X					
05A	EB-030510	3/5/10	1455		X	X						3		X							
06A	HEB-030510	3/5/10	1500		X	X						8	X	X	X	X					
07A	STB-030510 (lab prepared)	3/5/10	1505		X	X						2		X							

19. RELINQUISHED BY	DATE	TIME	20. RECEIVED BY	DATE	TIME
1 Kira Norman Kira Norman	3-5-10	1600			
2					
3			21. RECEIVED BY LABORATORY Michael Reece	3/5/10	1631

22. KNOWN HAZARDS/COMMENTS

Temperature: 10.8 °C
Intact: Y or N Initials: MR

*Containers: VOA - 40 ml vial; A/G - Amber/Glass 1 Liter; 4 oz/8 oz - glass wide mouth; P/O - Plastic/other

**Preservatives: C - Cool; H - HCl; N - HNO_3; S - H_2SO_4; OH - NaOH; T - $Na_2S_2O_3$; X - Other

METHOD OF SHIPMENT

BILL OF LADING/TRACKING #

LAB USE ONLY SAMPLING ____ RENTAL ____ P/U ____

A&B cannot accept verbal changes
Please FAX written changes to 713-453-6091

Samples will be disposed of after 30 days

Sample Condition Checklist

Date : **03/15/10**

A&B JobID : **10030308**	Date Received : **03/05/2010**	Time Received : **4:31PM**
Client Name : **Brown & Caldwell**		
Temperature : **10.8°C**	Sample pH : **na**	

	Check Points	Yes	No	N/A
1.	**Cooler seal present and signed.**		X	
2.	**Sample(s) in a cooler.**	X		
3.	**If yes, ice in cooler.**	X		
4.	**Sample(s) received with chain-of-custody.**	X		
5.	**C-O-C signed and dated.**	X		
6.	**Sample(s) received with signed sample custody seal.**		X	
7.	**Sample containers arrived intact. (If no comment).**	X		
8.	**Matrix :** Water ☑ Soil ☐ Liquid ☐ Sludge ☐ Solid ☐ Cassette ☐ Tube ☐ Bulk ☐ Badge ☐ Food ☐ Other ☐			
9.	**Sample(s) were received in appropriate container(s).**	X		
10.	**Sample(s) were received with proper preservative**	X		
11.	**All samples were logged or labeled.**	X		
12.	**Sample ID labels match C-O-C ID's**	X		
13.	**Bottle count on C-O-C matches bottles found.**	X		
14.	**Sample volume is sufficient for analyses requested.**	X		
15.	**Samples were received within the hold time.**	X		
16.	**VOA vials completely filled.**			X
17.	**Sample accepted.**	X		

Comments : Include actions taken to resolve discrepancies/problem:

Samples received on ice, however there was insufficient time for samples to cool to less than 6 degrees Celsius.

Received by : ariggs

Check in by/date : ariggs / 03/05/2010

Laboratory Review Checklist: Reportable Data

Project Name: 138936 / City of Houston South Gessner Phase II / Houston, TX
A&B Job ID: 10030308

Reviewed By: Rwells
Date Reviewed: 03/15/2010

#	A	Description	Yes	No	NA	NR	NR#
R1	OI	**Chain-of Custoday**					
		1) Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		2) Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and Quality Control (QC) Identification**					
		1) Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		2) Are all laboratory ID numbers cross referenced to corresponding QC data?	X				
R3	OI	**Test Reports**					
		1) Were all samples prepared and analyzed within holding times?	X				
		2) Other than those results <MQL, were all other reported results within calibration range?	X				
	OI	3) Were calculations subject to appropriate checks?	X				
		4) Were all analyte identifications subject to appropriate checks?	X				
		5) Were all sample quantitation limits reported for all analytes not detected?	X				
	OI	6) Were all results for soil and sediment samples reported on a dry weight basis?	X				
		7) Was % moisture (or solids) reported for all samples?	X				
		8) If required for the project, were tentatively identified compounds (TICs) reported?			X		
R4	OI	**Surrogate Recovery Data**					
		1) Were surrogates added prior to extraction?	X				
		2) Were surrogate percent recoveries (%R) within the laboratory QC limits?	X				
R5	OI	**Test Reports/Summary Forms for Blank Samples**					
		1) Were appropriate type(s) of blanks analyzed?	X				
		2) Were blanks analyzed at the appropriate frequency?	X				
		3) Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		4) Were blanks free of detected target compounds and, if applicable, reported TICs?	X				
R6	OI	**Laboratory Control Samples (LCS)**					
		1) Were all COCs included in the LCS?	X				
		2) Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		3) Were LCSs analyzed at the required frequency?	X				
		4) Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		5) Were LCSs spiked at or below the LORP or do the detectability data document the laboratory's capability of detecting the COCs in samples spiked at the MDL?	X				
		6) Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Data**					
		1) Were the project/method specified analytes included in the MS and MSD?	X				
		2) Were MS/MSD analyzed at the appropriate frequency?	X				
		3) Were MS (and MSD, if applicable) %R within the laboratory QC limits?	X				
		4) Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical Duplicate Data**					
		1) Were appropriate analytical duplicates analyzed for each matrix?	X				
		2) Were analytical duplicates analyzed at the appropriate frequency?	X				
		3) Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method Quatitation Limits MQLs)**					
		1) Are the MQLs for each method analyte listed and included in the laboratory data package?	X				
		2) Do the MQLs correspond to the concentration of the lowest non-zero standard?	X				
		3) Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other Problems/Anomalies**					
		1) Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		2) Were all necessary corrective actions performed for the reported data?	X				
		3) Is the justification for elevated SQLs documented?	X				

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A&B Job ID: 10030308

Reviewed By: Rwells
Date Reviewed: 03/15/2010

#	A	Description	Yes	No	NA	NR	NR#
S1	OI	**INITIAL CALIBRATION (ICAL)**					
		1) Were response factors (RFs) and/or relative response factors (RRFs) for each analyte within the QC limits?	X				
		2) Were percent RSDs or correlation coefficient criteria met?	X				
		3) Were the number of standards recommended in the method used for all analytes?	X				
		4) Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		5) Are ICAL data available for instruments used?	X				
		6) Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**INITIAL AND CONTINUING CALIBRATION VERIFICATION (ICCV AND CCV) AND CONTINUING CALIBRATION BLANK (CCB):**					
		1) Was the CCV analyzed at the method-required frequency?	X				
		2) Were percent differences for each analyte within the method-required QC limits?		X			S2/2
		3) Was the ICAL curve verified for each analyte?	X				
		4) Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**MASS SPECTRAL TUNING:**					
		1) Was the appropriate compound for the method used for tuning?	X				
		2) Were ion abundance data within the method-required QC limits?	X				
S4	O	**INTERNAL STANDARDS (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	O	**RAW DATA (NELAC SECTION 1 APPENDIX A GLOSSARY, AND SECTION 5.12 OR ISO/IEC 17025 SECTION 4.12.2)**					
		1) Were the raw data (e.g., chromatograms, and spectral data) reviewed by an analyst?	X				
		2) Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**DUAL COLUMN CONFIRMATION**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**TENTATIVELY IDENTIFIED COMPOUNDS (TICS):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**INTERFERENCE CHECK SAMPLE (ICS) RESULTS:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**SERIAL DILUTIONS, POST DIGESTION SPIKES, AND METHOD OF STANDARD ADDITIONS**					
		Were percent differences, recoveries, and the linearity within the QC limits	X				
S10	OI	**VERIFICATION/VALIDATION DOCUMENTATION FOR METHODS**					
		Are all methods documented and verified and validated, where applicable, (NELAC 5.10.2 or ISO/IEC 17025 Section 5.4.5)?	X				
S11	OI	**METHOD DETECTION LIMIT (MDL) STUDIES**					
		1) Was a MDL study performed for each reported analyte?	X				
		2) Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S12	OI	**STANDARDS DOCUMENTATION**					
		Are the standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**COMPOUND/ANALYTE IDENTIFICATION PROCEDURES**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**DEMONSTRATION OF CAPABILITY (DOC)**					
		1) Was DOC conducted generally consistent with NELAC 5C or ISO/IEC 4.2.2?	X				
		2) Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**PROFICIENCY TEST REPORTS:**					
		Are proficiency testing or inter-laboratory comparison results on file?	X				
S16	OI	**LABORATORY STANDARD OPERATING PROCEDURES (SOPS):**					
		Are laboratory SOPs current and on file for each method performed?	X				

Laboratory Review Checklist: Reportable Data

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A&B Job ID: 10030308

Reviewed By: Rwells
Date Reviewed: 03/15/2010

ER#	EXCEPTION
S2/2	One or more of the Semivolatile CCv's associated with these samples had high recovery for the following compounds: Bis(2-chloroisopropyl) ether and Benzidine. These target analytes were not found in any of the samples.

O = organic analyses;

I = inorganic analyses (and general chemistry, when applicable);

NA = Not applicable;

NR = Not Reviewed;

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).