EBS *ENGINEERING, INC.*

ENGINEERING AND ENVIRONMENTAL SERVICES

August 11, 2009

Mr. Harry James
Environmental Compliance Coordinator
City of Miami
Department of Economic Development
444 SW 2nd Avenue, 3rd Floor
Miami, Florida 33130

Subject: Report of Preliminary Phase II Environmental Site Assessment
Residential Property
1390 NW 37th Street
Miami, Florida 33142
EBS Engineering Project No. 820-0901047.01

Dear Mr. James:

EBS Engineering, Inc. (EBS), has completed the Phase II Environmental Site Assessment (Phase II) for the above-referenced project site. The purpose of the Phase II was to investigate potential impacts to the subsurface soils and groundwater of the subject site due to the presence of an abutting industrial property. This report presents an overview of the project including: advancement of soil borings, installation of monitoring wells, soil and groundwater sample acquisition, laboratory analysis of soil and groundwater samples, and our conclusions and recommendations.

The soil and groundwater sampling was conducted in accordance with Florida Department of Environmental Protection Standard Operating Procedures DEP-SOP-001/01 for field activities. The results of our investigation indicate that soil contamination exists beyond the industrial property boundary. However, based upon the data collected during this investigation, the source of the soil contamination could not be accurately determined.

EBS appreciates the opportunity to work with you on this project and looks forward to our continued association. Should you have any question in reference to this matter, please do not hesitate to contact us.

Sincerely,
EBS ENGINEERING, INC.

Francisco E. Gomez
Senior Environmental Scientist

Benjamin S. Essien, P.E.
Principal Engineer

EBS\820-0901047.01\Report

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PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

RESIDENTIAL PROPERTY
1390 NW 37th STREET
MIAMI, FLORIDA 33142
EBS Project No. 820-0901047.01
August 11, 2009

PREPARED FOR

CITY OF MIAMI, FLORIDA
DEPARTMENT OF ECONOMIC DEVELOPMENT
444 SW 2nd AVENUE, 3rd FLOOR
MIAMI, FLORIDA, 33130

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1.0 INTRODUCTION

At the request of The City of Miami, Department of Economic Development, EBS conducted a Phase II Environmental Site Assessment (Phase II) for the Residential Property located at 1390 NW 37th Street in Miami, Florida. Please refer to **Appendix A**, **Figure 1** for a map illustrating the location of the subject site.

The purpose of the Phase II was to investigate the potential impacts to the subsurface soil and groundwater of the adjoining residential and commercial properties (subject site) due to the presence of an abutting industrial property located southwest of the subject site.

Dynamic & General Mechanics (IW5-16746/File-22060) is located in the vicinity of 1391 NW 36th Street, Rear in Miami, Florida. On May 1, 2005 an application was filed with the Miami-Dade County Department of Environmental Resources Management (DERM) Industrial Facilities Section in order to operate a mechanical repair facility. The mechanical repair facility consists of an office/storage area, a covered work area encompassing an outdoor sink, a parts washer and a vehicle lift. A shipping container utilized for storage and a 250-gallon plastic bin containing used oil are located in the open yard. The facility is connected to the municipal sewage system and no storm drains or soakage pits are located in the facility. On July 25, 2008, a Pollution Prevention Field Notice (P2FN) was issued to the facility for storage of engines and engine parts in the open yard area. The P2FN required that the facility store engines and engine parts under cover and on an impervious surface. A follow-up inspection of the facility on December 3, 2008, indicated that the facility moved the engines and engine parts under cover, complying with the DERM notice. At the time of this investigation, however, engines and engine parts were observed stored in the open yard area.

The following sections summarize the Phase II activities including; advancement of four soil borings, installation of four shallow monitoring wells, soil and groundwater sample collection, laboratory analysis of soil and groundwater samples, and conclusions and recommendations. The findings and opinions are relevant to the dates of our site work and should not be relied on to represent conditions at substantially earlier or later dates.

2.0 SOIL ASSESSMENT

On July 20, 2009, EBS supervised the advancement of four soil borings, SB-1, SB-2, SB-3 and SB-4 on the south and west portions of the subject site. Each boring was advanced using truck-mounted direct push equipment and a stainless steel split-spoon with polyethylene sample liner from surface grade to the soil/water interface. The soil was screened at two-foot intervals for organic vapors and petroleum odors. No organic vapors or petroleum odor were detected in the soil samples collected from the boring locations. Soil samples were collected from the capillary fringe zone one-foot above the water table for laboratory analysis of used oil group parameters including volatile organic aromatic hydrocarbons (VOA) and volatile organic halocarbons (VOH) by EPA method 8260B, semi-volatile organic hydrocarbons (SVOA) by EPA method 8270C, total recoverable petroleum hydrocarbons (TRPH) by State of Florida method FL-PRO, polychlorinated biphenyls (PCBs) by EPA method 8082, total arsenic, total lead, total cadmium and total chromium. The soil sample collection was in accordance with Florida Department of Environmental Protection (FDEP) Standard Operating Procedures for field activities DEP-SOP-001/01. A site plan illustrating the location of the soil borings is included as **Figure 2, Appendix A.**

The soil samples were placed in the appropriate laboratory supplied pre-cleaned and preserved sample containers and then placed on wet ice for transport to Xenco Laboratories, Inc. (Xenco) for analysis. Xenco is a National Environmental Laboratory Accreditation Council (NELAC) certified laboratory. The laboratory analysis was performed by Xenco in accordance with DEP-SOP-001/02 for laboratory activities.

Laboratory results for the four soil samples collected at the subject site are summarized in **Table 1**. The laboratory analytical report and chain-of-custody record are included in **Appendix B**.

Laboratory soil analytical results indicate semi-volatile hydrocarbon, arsenic and chlorinated solvent soil contamination concentrations above Miami-Dade County Chapter 24, Soil Cleanup Target Level (CTL) is present beyond the boundaries of the industrial property on the south and west portions of the subject site. Although volatile organic compounds and recoverable hydrocarbons were also reported on the south portion of the subject site, the concentrations were below Miami-Dade County Chapter 24, Soil CTL.

Table 1 – Summary of Laboratory Soil Results
Residential Property
1390 NW 37 Street
Miami, Florida 33142

Contaminant (mg/kg)	SB-1	SB-2	SB-3	SB-4	Residential Direct Exposure	Commercial/Ind. Direct Exposure	Leachability Groundwater
Arsenic	**2.47**	**10.7**	1.64	0.230	2.1	12	Site Specific
Cadmium	0.188	U	U	U	82	1700	7.5
Chromium	14.9	3.19	8.33	3.84	310	470	38
Lead	86.0	2.20	7.78	9.46	400	1400	Site Specific
PCBs	U	U	U	U	0.5	2.6	17
Anthracene	0.448	U	U	U	21000	300000	2500
Benzo(a)anthracene	**0.451**[1]	0.0019[1]	0.0024[1]	U	0.1	0.7	8
Benzo(a)pyrene	**5.23**	0.016	**0.266**	U	0.1	0.7	8
Benzo(b)flouranthene	**0.893**[1]	0.0025[1]	0.0405[1]	U	0.1	0.7	8
Benzo(g,h,i)perylene	4.72	U	0.281	U	2500	52000	32000
Benzo(k)fluoranthene	0.0332[1]	U	0.0019[1]	U	0.1	0.7	8
Bis(2-ethylhexyl) phthalate	0.412	U	U	U	72	390	1300
Chrysene	0.00657[1]	0.00002[1]	0.00035[1]	U	0.1	0.7	8
Dibenz(a,h)anthracene	**1.09**[1]	U	U	U	0.1	0.7	8
Ethylbenzene	0.008	U	U	U	1500	9200	0.6
Fluoranthene	10.7	0.037	0.570	U	3200	59000	1200
Indeno(1,2,3-c,d) Pyrene	**0.462**[1]	U	U	U	0.1	0.7	8
Methylene Chloride	**0.034**	**0.043**	0.015	**0.055**	17	26	0.02
Phenanthrene	2.25	U	0.142	U	2200	36000	250
Pyrene	8.82	0.030	0.465	U	2400	45000	880
Toluene	0.005	U	U	U	7500	60000	0.5
FL-PRO	162.6	1.34	3.53	2.66	460	2700	340

*Miami-Dade County Chapter 24 Soil Cleanup Target Level (CTL)
1 – Toxic Equivalency value per DERM Technical Report: Development of Cleanup Target Levels, September 2005
U – Compound Not Detected

3.0 GROUNDWATER ASSESSMENT

On July 20, 2009, EBS supervised the installation of four 14-foot deep monitoring wells on the south and west portions of the subject site. The boreholes for the monitoring wells, designated MW-1, MW-2, MW-3 and MW-4 were installed using truck mounted direct push drill rig and a hollow stem auger to a total depth of 14 feet below land surface. A two inch inner diameter (I.D.) schedule 40 polyvinyl chloride (PVC) casing (5 feet) and slotted screen (10 feet) was then installed in the borehole through the hollow stem auger. The slot size of the well screen was 0.015-inch. A site plan illustrating the location of the monitoring wells is included as **Figure 2, Appendix A**.

After the well screen and attached riser were placed, filter pack material consisting of 6/20 silica sand was gravel packed around the well casing. The sand was allowed to fill the annular space between the well screen and the borehole wall as the auger was extracted, thus maintaining borehole integrity. The annular space was filled with sand to approximately 3.0 foot above the screened interval, above which was placed a fine sand seal. The remaining space was filled with grout and a protective 2-inch expandable water tight locking cap covers the casing at the surface. Following installation, the monitoring well was developed to remove fine grained sediments that may have been introduced into the well screen during well construction activities. The well development was performed using a low yield pump with a clean, dedicated PVC hose. Development continued until the ground water was visually free of suspended particles. The static groundwater water level was approximately five feet below land surface. No petroleum odor or sheen was observed in the monitoring well development water.

On July 23, 2009, groundwater samples were collected from the four newly installed monitoring wells. Following measurement of the water column, the monitoring wells were purged of five well volumes using a peristaltic pump with new down-well and drive tubing. All groundwater sampling was in accordance with FDEP Standard Operating Procedure for Field Activities DEP-SOP-001/01 and Florida Administrative Code (FAC) Chapter 62-160 Quality Assurance Rule. Four groundwater samples were submitted to Xenco for analysis of used oil group parameters including volatile organic aromatic hydrocarbons (VOA), volatile organic halocarbons (VOH) by EPA method 8260B, semi-volatile organic hydrocarbons (SVOA) by EPA method 8270C, total recoverable petroleum hydrocarbons (TRPH) by State of Florida method FL-PRO, polychlorinated biphenyls (PCBs) by EPA method 8082, total arsenic, total cadmium, total chromium and total lead.

Laboratory results for the four groundwater samples collected at the subject site are summarized in **Table 2**. Groundwater results for volatile organics, semi-volatile organics and PCBs were reported as Undetected. The laboratory analytical report and chain-of-custody record are included in **Appendix B**.

Table 2 – Summary of Laboratory Groundwater Results
Residential Property
1390 NW 37 Street
Miami, Florida 33142

Contaminant (ug/L)	MW-1	MW-2	MW-3	MW-4	Groundwater*	Surface Water*	Marine Surface Water*
Arsenic	3	U	1	U	10	50	50
Cadmium	U	U	U	U	5	Hardness Dependent	9.3
Chromium	U	U	U	U	100	11	50
Lead	5	U	6	U	15	Hardness Dependent	8.5
PCBs	U	U	U	U	0.5	0.000045	0.000045
Anthracene	U	U	U	U	2100	0.3	0.3
Benzo(a) anthracene	U	U	U	U	0.05	No Standard	No Standard
Benzo(a)pyrene	U	U	U	U	0.2	No Standard	No Standard
Benzo(b) flouranthene	U	U	U	U	0.05	No Standard	No Standard
Benzo(g,h,i) perylene	U	U	U	U	210	No Standard	No Standard
Benzo(k) fluoranthene	U	U	U	U	0.5	No Standard	No Standard
Bis(2-ethylhexyl) phthalate	U	U	U	U	6	2.2	2.2
Chrysene	U	U	U	U	4.8	No Standard	No Standard
Dibenz(a,h) anthracene	U	U	U	U	0.005	No Standard	No Standard
Ethylbenzene	U	U	U	U	30	610	610
Fluoranthene	U	U	U	U	280	0.3	0.3
Indeno(1,2,3-c,d) Pyrene	U	U	U	U	0.05	No Standard	No Standard
Methylene Chloride	U	U	U	U	5	1580	1580
Phenanthrene	U	U	U	U	210	No Standard	No Standard
Pyrene	U	U	U	U	210	0.3	0.3
Toluene	U	U	U	U	40	480	480
FL-PRO	U	U	U	U	5000	5000	5000

*Miami-Dade County Chapter 24 Groundwater Cleanup Target Level (CTL)
U – Compound Not Detected

3.0 CONCLUSIONS AND RECOMMENDATIONS

Four soil borings were advanced and four monitoring wells were installed as part of this assessment. Four soil samples and four groundwater samples were collected on the south and west portions of the subject site in order to investigate potential negative soil and groundwater impacts due to the presence of a mechanical repair facility abutting the subject site.

The analytical results for the soil sample collected at soil boring location SB-1 was reported to have concentrations of semi-volatile organic compounds above Miami-Dade County Chapter 24, Soil CTLs. Chlorinated solvent concentrations above Miami-Dade County Chapter 24, Soil CTL were also reported in the soil samples collected at soil borings SB-1, SB-2 and SB-4.

The analytical results for the groundwater samples obtained from the four monitoring wells indicated that the tested compounds were below the laboratory detection limit or were below Miami-Dade County Chapter 24 Groundwater CTL. Therefore, the contamination detected in the soil samples does not appear to negatively impact the groundwater of the subject site at this time.

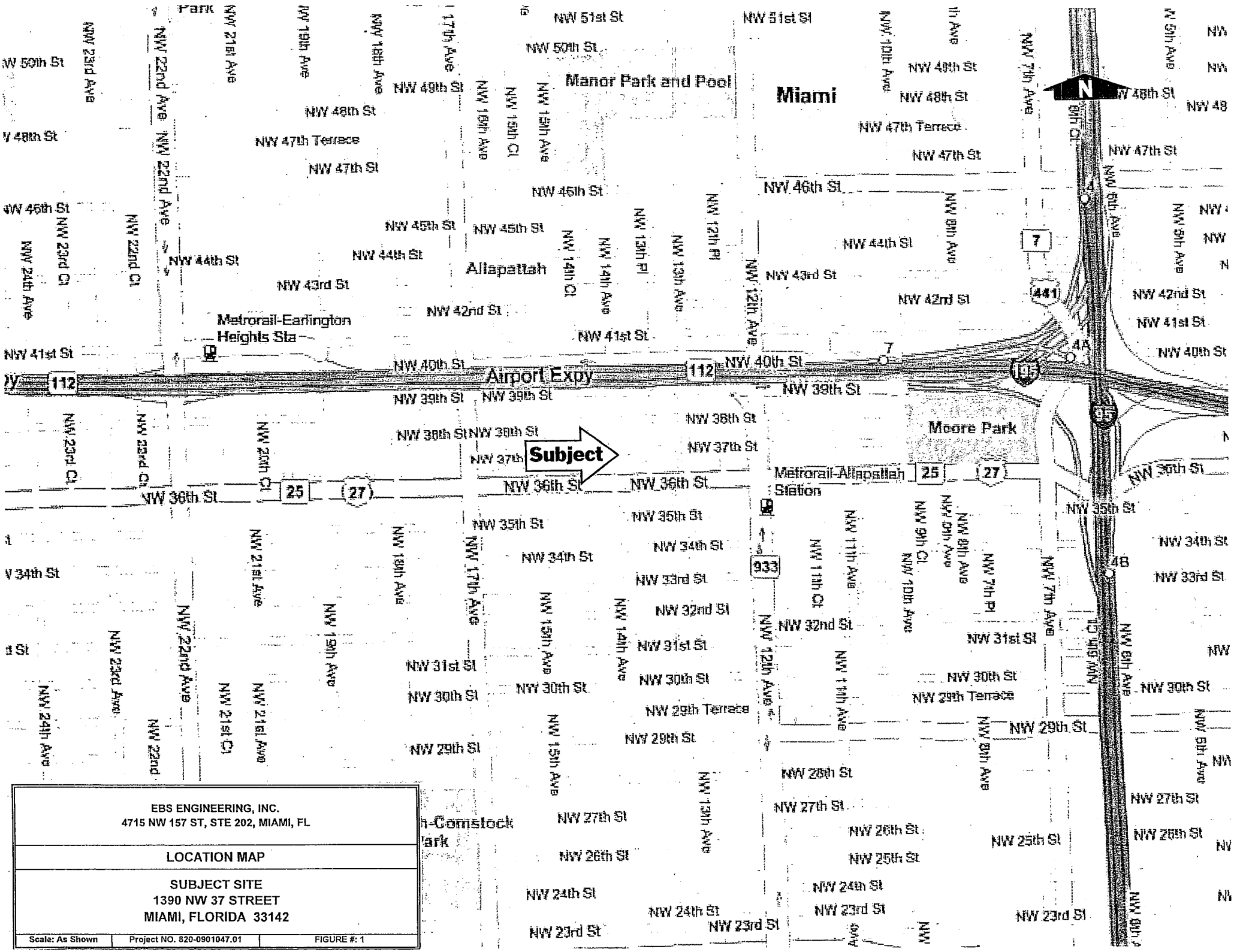
Based on the laboratory soil results, soil contamination above DERM Chapter 24 is present in the boundary area of the mechanical repair facility. Review of the information contained in the DERM file points to the mechanical repair facility as a potential source of the soil contamination. The mechanical repair facility does not have a storm drain or soakage pit to manage stormwater runoff. Therefore, stormwater must sheet-flow across the paved open yard where engines and engine parts historically and currently are stored, to the neighboring properties to the north and east (the subject site), or to the municipal stormwater system along NW 14th Avenue to the west.

At this time, the soil contamination represents a negative environmental impact to the subject site and represents a reportable condition. If the subject property owners wish, the information should be forwarded to the Miami-Dade County Department of Environmental Resources Management, 701 NW 1st Court, 8th Floor, Miami, Florida 33136.

EBS recommends additional environmental site assessment of the mechanical repair facility to determine the source and impact of the soil and/or groundwater contamination of the subject site.

APPENDIX A

FIGURES

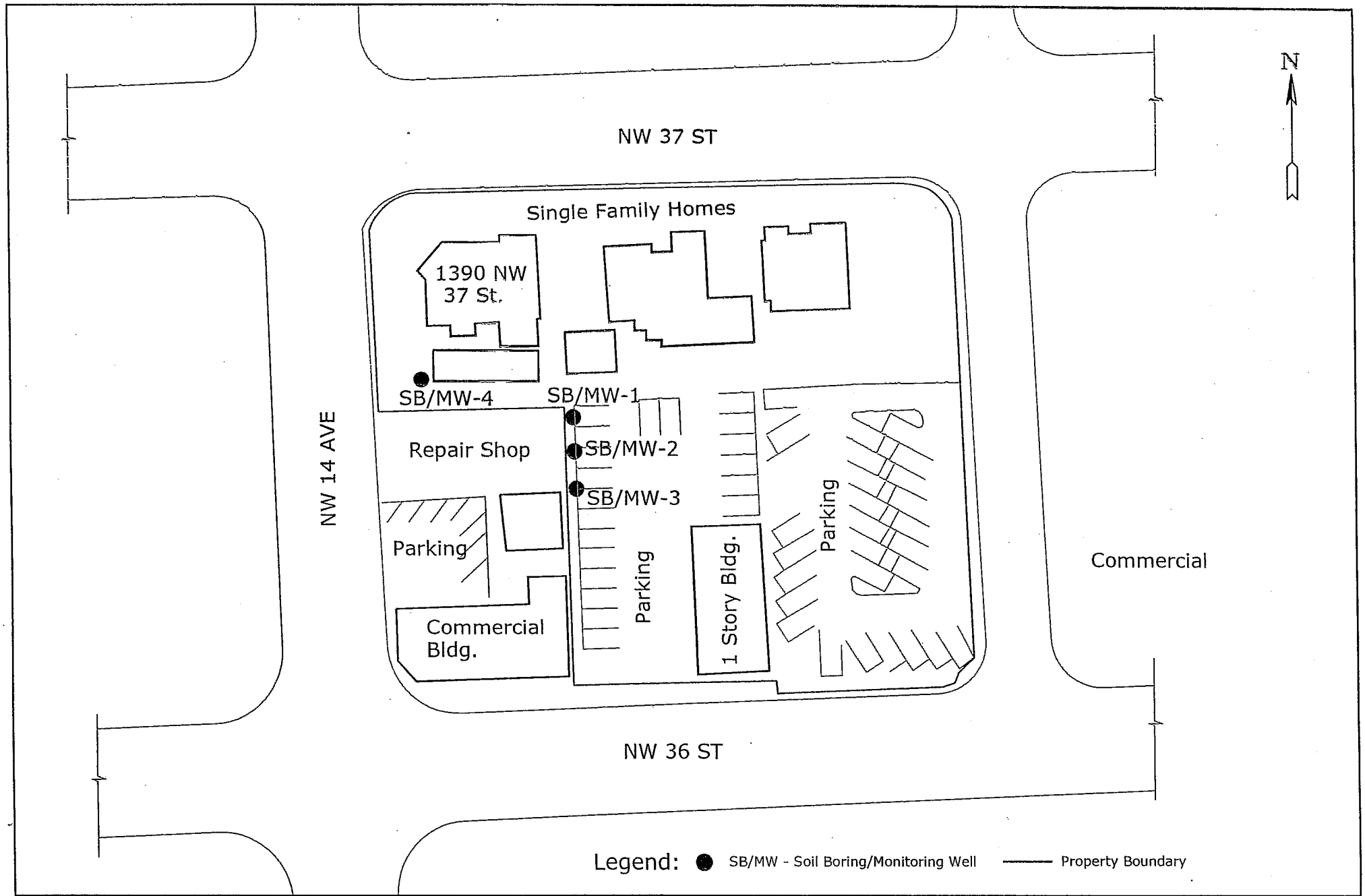


EBS ENGINEERING, INC.
4715 NW 157 ST, STE 202, MIAMI, FL

LOCATION MAP

SUBJECT SITE
1390 NW 37 STREET
MIAMI, FLORIDA 33142

Scale: As Shown	Project NO. 820-0901047.01	FIGURE #: 1



1390 NW 37 STREET
MIAMI, FL-33142

Figure- 2

Not to Scale

EBS ENGINEERING, INC
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DATE: AUGUST, 2009

PROJECT NUMBER: 820-0901047.01

DRAWN BY: NKD CHECKED BY: FG

EBS ENGINEERING, INC.

APPENDIX B

LABORATORY ANALYTICAL DATA AND CHAIN-OF-CUSTODY DOCUMENTS

Analytical Report 338550

for

EBS Engineering

Project Manager: Frank Gomez

1390 NW 37 Street

820-0901047.01

28-JUL-09

10200 USA Today Way, Miramar, FL 33025
Ph:(305) 823-8500 Fax:(305) 823-8555

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Miramar (EPA Lab code: FL01246): Florida (E86349)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Houston - Dallas - San Antonio - Tampa - Miami - Midland - Corpus Christi - Atlanta - Latin America

28-JUL-09

Project Manager: **Frank Gomez**
EBS Engineering
101 NW 176 St.
Miami, FL 33116

Reference: XENCO Report No: **338550**
1390 NW 37 Street
Project Address: Miami, FL

Frank Gomez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 338550. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 338550 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Terrence Anderson
Office Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 338550

EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-01	S	Jul-20-09 10:30	6 - 8 ft	338550-001
SB-02	S	Jul-20-09 11:15	6 - 8 ft	338550-002
SB-03	S	Jul-20-09 12:40	6 - 8 ft	338550-003
SB-04	S	Jul-20-09 14:00	6 - 8 ft	338550-004

XENCO Laboratories

Certificate of Analytical Results 338550

EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-01**	Matrix: **SOIL**	% Moisture: **4.18**
Lab Sample Id: **338550-001**	Date Collected: **Jul-20-09 10:30**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3050B

Date Analyzed: Jul-28-09 09:20 Analyst: ARP Date Prep: Jul-24-09 12:00 Tech: RWA

Seq Number: 766596

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	2.47	0.522	0.094	mg/kg		1
Cadmium	7440-43-9	0.188	0.522	0.073	mg/kg	I	1
Chromium	7440-47-3	14.9	1.04	0.094	mg/kg		1
Lead	7439-92-1	86.0	0.522	0.209	mg/kg		1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3550

Date Analyzed: Jul-24-09 11:32 Analyst: JGO Date Prep: Jul-23-09 06:30 Tech: LUA

Seq Number: 766385

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	103	13.4	ug/kg	U	1
PCB-1221	11104-28-2	U	103	2.75	ug/kg	U	1
PCB-1232	11141-16-5	U	103	9.03	ug/kg	U	1
PCB-1242	53469-21-9	U	103	21.1	ug/kg	U	1
PCB-1248	12672-29-6	U	103	18.8	ug/kg	U	1
PCB-1254	11097-69-1	U	103	5.19	ug/kg	U	1
PCB-1260	11096-82-5	U	103	6.86	ug/kg	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338550

EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-01**	Matrix: **SOIL**	% Moisture: **4.18**
Lab Sample Id: **338550-001**	Date Collected: **Jul-20-09 10:30**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 05:16 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	1.56	0.297	mg/kg	U	10
Acenaphthylene	208-96-8	U	1.56	0.286	mg/kg	U	10
Anthracene	120-12-7	0.448	1.04	0.168	mg/kg	I	10
Benzidine	92-87-5	U	14.6	3.53	mg/kg	U	10
Benzo(a)anthracene	56-55-3	4.51	0.521	0.115	mg/kg		10
Benzo(a)pyrene	50-32-8	5.23	1.04	0.141	mg/kg		10
Benzo(b)fluoranthene	205-99-2	8.93	1.04	0.220	mg/kg		10
Benzo(g,h,i)perylene	191-24-2	4.72	1.56	0.273	mg/kg		10
Benzo(k)fluoranthene	207-08-9	3.32	1.56	0.264	mg/kg		10
Benzyl Butyl Phthalate	85-68-7	U	1.04	0.134	mg/kg	U	10
bis(2-chloroethoxy) methane	111-91-1	U	2.08	0.499	mg/kg	U	10
bis(2-chloroethyl) ether	111-44-4	U	2.08	0.472	mg/kg	U	10
bis(2-chloroisopropyl) ether	108-60-1	U	1.04	0.252	mg/kg	U	10
bis(2-ethylhexyl) phthalate	117-81-7	0.412	1.04	0.254	mg/kg	I	10
4-Bromophenyl-phenylether	101-55-3	U	2.08	0.398	mg/kg	U	10
di-n-Butyl Phthalate	84-74-2	U	1.04	0.158	mg/kg	U	10
4-chloro-3-methylphenol	59-50-7	U	2.60	0.598	mg/kg	U	10
2-Chloronaphthalene	91-58-7	U	1.04	0.194	mg/kg	U	10
2-Chlorophenol	95-57-8	U	1.56	0.356	mg/kg	U	10
4-Chlorophenyl Phenyl Ether	7005-72-3	U	2.08	0.452	mg/kg	U	10
Chrysene	218-01-9	6.57	1.04	0.132	mg/kg		10
Dibenz(a,h)anthracene	53-70-3	1.09	1.56	0.364	mg/kg	I	10
1,2-Dichlorobenzene	95-50-1	U	1.56	0.332	mg/kg	U	10
1,3-Dichlorobenzene	541-73-1	U	1.04	0.260	mg/kg	U	10
1,4-Dichlorobenzene	106-46-7	U	1.04	0.242	mg/kg	U	10
3,3-Dichlorobenzidine	91-94-1	U	2.08	0.502	mg/kg	U	10
2,4-Dichlorophenol	120-83-2	U	2.60	0.546	mg/kg	U	10
Diethyl Phthalate	84-66-2	U	1.56	0.285	mg/kg	U	10
Dimethyl Phthalate	131-11-3	U	1.56	0.352	mg/kg	U	10
2,4-Dimethylphenol	105-67-9	U	2.08	0.505	mg/kg	U	10
4,6-dinitro-2-methyl phenol	534-52-1	U	1.56	0.362	mg/kg	U	10
2,4-Dinitrophenol	51-28-5	U	3.13	0.775	mg/kg	U	10
2,4-Dinitrotoluene	121-14-2	U	1.56	0.366	mg/kg	U	10
2,6-Dinitrotoluene	606-20-2	U	2.08	0.471	mg/kg	U	10
Fluoranthene	206-44-0	10.7	1.04	0.186	mg/kg		10
Fluorene	86-73-7	U	1.04	0.256	mg/kg	U	10
Hexachlorobenzene	118-74-1	U	1.04	0.145	mg/kg	U	10
Hexachlorobutadiene	87-68-3	U	1.56	0.356	mg/kg	U	10
Hexachlorocyclopentadiene	77-47-4	U	2.08	0.452	mg/kg	U	10

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338550

EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-01**	Matrix: **SOIL**	% Moisture: **4.18**
Lab Sample Id: **338550-001**	Date Collected: **Jul-20-09 10:30**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 05:16 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachloroethane	67-72-1	U	2.08	0.453	mg/kg	U	10
Indeno(1,2,3-c,d)Pyrene	193-39-5	4.62	4.69	1.12	mg/kg	I	10
Isophorone	78-59-1	U	1.56	0.327	mg/kg	U	10
Naphthalene	91-20-3	U	1.04	0.254	mg/kg	U	10
Nitrobenzene	98-95-3	U	1.56	0.373	mg/kg	U	10
2-Nitrophenol	88-75-5	U	3.65	0.906	mg/kg	U	10
4-Nitrophenol	100-02-7	U	3.13	0.661	mg/kg	U	10
N-Nitrosodimethylamine	62-75-9	U	1.56	0.375	mg/kg	U	10
N-Nitrosodi-n-Propylamine	621-64-7	U	2.08	0.459	mg/kg	U	10
N-Nitrosodiphenylamine	86-30-6	U	1.04	0.189	mg/kg	U	10
di-n-Octyl Phthalate	117-84-0	U	1.04	0.152	mg/kg	U	10
Pentachlorophenol	87-86-5	U	3.13	0.738	mg/kg	U	10
Phenanthrene	85-01-8	2.25	1.04	0.165	mg/kg		10
Phenol	108-95-2	U	2.08	0.460	mg/kg	U	10
Pyrene	129-00-0	8.82	1.04	0.142	mg/kg		10
1,2,4-Trichlorobenzene	120-82-1	U	1.56	0.325	mg/kg	U	10
2,4,6-Trichlorophenol	88-06-2	U	1.04	0.243	mg/kg	U	10

Analytical Method: TPH by FLPRO Prep Method: SW3550

Date Analyzed: Jul-24-09 08:24 Analyst: ARM Date Prep: Jul-23-09 15:33 Tech: ABC

Seq Number: 766449

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	26.1	0.477	mg/kg	U	5
DRO (C10-C28) Range	DROC10C28	88.1	26.1	2.16	mg/kg		5
ORO (C28-C40) Range	OROC28C40	74.5	26.1	1.65	mg/kg		5
TOTAL FLPRO (C8-C40)	TOTFLPRO	162.6	26.1	0.477	mg/kg		5

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EBS Engineering, Miami, FL
1390 NW 37 Street

Sample Id: **SB-01**	Matrix: **SOIL**	% Moisture: **4.18**
Lab Sample Id: **338550-001**	Date Collected: **Jul-20-09 10:30**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-23-09 11:33 Analyst: DAP Date Prep: Jul-23-09 08:45 Tech: MEZ
Seq Number: 766483

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.001	0.001	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.001	0.001	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.002	0.001	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.002	0.001	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.003	0.001	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.002	0.001	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.002	0.001	mg/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	0.001	0.001	mg/kg	U	1
Acrolein	107-02-8	U	0.011	0.003	mg/kg	U	1
Acrylonitrile	107-13-1	U	0.010	0.002	mg/kg	U	1
Benzene	71-43-2	U	0.001	0.001	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.002	0.001	mg/kg	U	1
Bromoform	75-25-2	U	0.001	0.001	mg/kg	U	1
Methyl bromide	74-83-9	U	0.006	0.001	mg/kg	U	1
Carbon Tetrachloride	56-23-5	U	0.002	0.001	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.002	0.001	mg/kg	U	1
Chloroethane	75-00-3	U	0.002	0.001	mg/kg	U	1
Chloroform	67-66-3	U	0.001	0.001	mg/kg	U	1
Methyl Chloride	74-87-3	U	0.002	0.001	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.002	0.001	mg/kg	U	1
Dibromochloromethane	124-48-1	U	0.005	0.001	mg/kg	U	1
Ethylbenzene	100-41-4	0.008	0.001	0.001	mg/kg		1
Methylene Chloride	75-09-2	0.034	0.005	0.001	mg/kg		1
Tetrachloroethylene	127-18-4	U	0.002	0.001	mg/kg	U	1
Toluene	108-88-3	0.005	0.002	0.001	mg/kg		1
trans-1,2-dichloroethylene	156-60-5	U	0.002	0.001	mg/kg	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.002	0.001	mg/kg	U	1
Trichloroethylene	79-01-6	U	0.002	0.001	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.002	0.001	mg/kg	U	1
Vinyl Chloride	75-01-4	U	0.001	0.001	mg/kg	U	1

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Sample Id: **SB-01**	Matrix: **SOIL**	% Moisture:
Lab Sample Id: **338550-001**	Date Collected: **Jul-20-09 10:30**	Basis: **Wet Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Percent Moisture Prep Method:

Date Analyzed: Jul-23-09 16:00 Analyst: RWA Date Prep: Tech: RWA

Seq Number: 766420

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Percent Moisture	TMOIST	4.18	1.00	1.00	%		1

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Version: 1.008

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Sample Id: **SB-02**	Matrix: **SOIL**	% Moisture: **3.17**
Lab Sample Id: **338550-002**	Date Collected: **Jul-20-09 11:15**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3050B

Date Analyzed: Jul-28-09 09:28 Analyst: ARP Date Prep: Jul-24-09 12:00 Tech: RWA

Seq Number: 766596

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	10.7	0.478	0.086	mg/kg		1
Cadmium	7440-43-9	U	0.478	0.067	mg/kg	U	1
Chromium	7440-47-3	3.19	0.956	0.086	mg/kg		1
Lead	7439-92-1	2.20	0.478	0.191	mg/kg		1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3550

Date Analyzed: Jul-24-09 11:57 Analyst: JGO Date Prep: Jul-23-09 06:30 Tech: LUA

Seq Number: 766385

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	17.2	2.23	ug/kg	U	1
PCB-1221	11104-28-2	U	17.2	0.458	ug/kg	U	1
PCB-1232	11141-16-5	U	17.2	1.50	ug/kg	U	1
PCB-1242	53469-21-9	U	17.2	3.52	ug/kg	U	1
PCB-1248	12672-29-6	U	17.2	3.14	ug/kg	U	1
PCB-1254	11097-69-1	U	17.2	0.863	ug/kg	U	1
PCB-1260	11096-82-5	U	17.2	1.14	ug/kg	U	1

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Sample Id: **SB-02**	Matrix: **SOIL**	% Moisture: **3.17**
Lab Sample Id: **338550-002**	Date Collected: **Jul-20-09 11:15**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 02:47 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.103	0.020	mg/kg	U	1
Acenaphthylene	208-96-8	U	0.103	0.019	mg/kg	U	1
Anthracene	120-12-7	U	0.069	0.011	mg/kg	U	1
Benzidine	92-87-5	U	0.963	0.233	mg/kg	U	1
Benzo(a)anthracene	56-55-3	0.019	0.034	0.008	mg/kg	I	1
Benzo(a)pyrene	50-32-8	0.016	0.069	0.009	mg/kg	I	1
Benzo(b)fluoranthene	205-99-2	0.025	0.069	0.015	mg/kg	I	1
Benzo(g,h,i)perylene	191-24-2	U	0.103	0.018	mg/kg	U	1
Benzo(k)fluoranthene	207-08-9	U	0.103	0.017	mg/kg	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.069	0.009	mg/kg	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.138	0.033	mg/kg	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.138	0.031	mg/kg	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.069	0.017	mg/kg	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.069	0.017	mg/kg	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.138	0.026	mg/kg	U	1
di-n-Butyl Phthalate	84-74-2	U	0.069	0.010	mg/kg	U	1
4-chloro-3-methylphenol	59-50-7	U	0.172	0.040	mg/kg	U	1
2-Chloronaphthalene	91-58-7	U	0.069	0.013	mg/kg	U	1
2-Chlorophenol	95-57-8	U	0.103	0.024	mg/kg	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.138	0.030	mg/kg	U	1
Chrysene	218-01-9	0.022	0.069	0.009	mg/kg	I	1
Dibenz(a,h)anthracene	53-70-3	U	0.103	0.024	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.103	0.022	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.069	0.017	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.069	0.016	mg/kg	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.138	0.033	mg/kg	U	1
2,4-Dichlorophenol	120-83-2	U	0.172	0.036	mg/kg	U	1
Diethyl Phthalate	84-66-2	U	0.103	0.019	mg/kg	U	1
Dimethyl Phthalate	131-11-3	U	0.103	0.023	mg/kg	U	1
2,4-Dimethylphenol	105-67-9	U	0.138	0.033	mg/kg	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.103	0.024	mg/kg	U	1
2,4-Dinitrophenol	51-28-5	U	0.206	0.051	mg/kg	U	1
2,4-Dinitrotoluene	121-14-2	U	0.103	0.024	mg/kg	U	1
2,6-Dinitrotoluene	606-20-2	U	0.138	0.031	mg/kg	U	1
Fluoranthene	206-44-0	0.037	0.069	0.012	mg/kg	I	1
Fluorene	86-73-7	U	0.069	0.017	mg/kg	U	1
Hexachlorobenzene	118-74-1	U	0.069	0.010	mg/kg	U	1
Hexachlorobutadiene	87-68-3	U	0.103	0.024	mg/kg	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.138	0.030	mg/kg	U	1

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EBS Engineering, Miami, FL
1390 NW 37 Street

Sample Id: **SB-02**	Matrix: **SOIL**	% Moisture: **3.17**
Lab Sample Id: **338550-002**	Date Collected: **Jul-20-09 11:15**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 02:47 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ
Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachloroethane	67-72-1	U	0.138	0.030	mg/kg	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.310	0.074	mg/kg	U	1
Isophorone	78-59-1	U	0.103	0.022	mg/kg	U	1
Naphthalene	91-20-3	U	0.069	0.017	mg/kg	U	1
Nitrobenzene	98-95-3	U	0.103	0.025	mg/kg	U	1
2-Nitrophenol	88-75-5	U	0.241	0.060	mg/kg	U	1
4-Nitrophenol	100-02-7	U	0.206	0.044	mg/kg	U	1
N-Nitrosodimethylamine	62-75-9	U	0.103	0.025	mg/kg	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.138	0.030	mg/kg	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.069	0.013	mg/kg	U	1
di-n-Octyl Phthalate	117-84-0	U	0.069	0.010	mg/kg	U	1
Pentachlorophenol	87-86-5	U	0.206	0.049	mg/kg	U	1
Phenanthrene	85-01-8	U	0.069	0.011	mg/kg	U	1
Phenol	108-95-2	U	0.138	0.030	mg/kg	U	1
Pyrene	129-00-0	0.030	0.069	0.009	mg/kg	I	1
1,2,4-Trichlorobenzene	120-82-1	U	0.103	0.022	mg/kg	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.069	0.016	mg/kg	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3550

Date Analyzed: Jul-24-09 08:49 Analyst: ARM Date Prep: Jul-23-09 15:33 Tech: ABC
Seq Number: 766449

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	5.15	0.094	mg/kg	U	1
DRO (C10-C28) Range	DROC10C28	U	5.15	0.426	mg/kg	U	1
ORO (C28-C40) Range	OROC28C40	1.34	5.15	0.326	mg/kg	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	1.34	5.15	0.094	mg/kg	I	1

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1390 NW 37 Street

Sample Id: **SB-02**	Matrix: **SOIL**	% Moisture:
Lab Sample Id: **338550-002**	Date Collected: **Jul-20-09 11:15**	Basis: **Wet Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Percent Moisture Prep Method:

Date Analyzed: Jul-23-09 16:00 Analyst: RWA Date Prep: Tech: RWA

Seq Number: 766420

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Percent Moisture	TMOIST	3.17	1.00	1.00	%		1

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-22-09 21:36 Analyst: DAP Date Prep: Jul-22-09 14:10 Tech: ROL

Seq Number: 766249

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.001	0.001	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.001	0.001	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.002	0.001	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.002	0.001	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.003	0.001	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.002	0.001	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.002	0.001	mg/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	0.001	0.001	mg/kg	U	1
Acrolein	107-02-8	U	0.011	0.003	mg/kg	U	1
Acrylonitrile	107-13-1	U	0.010	0.002	mg/kg	U	1
Benzene	71-43-2	U	0.001	0.001	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.002	0.001	mg/kg	U	1
Bromoform	75-25-2	U	0.001	0.001	mg/kg	U	1
Methyl bromide	74-83-9	U	0.006	0.001	mg/kg	U	1
Carbon Tetrachloride	56-23-5	U	0.002	0.001	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.002	0.001	mg/kg	U	1
Chloroethane	75-00-3	U	0.002	0.001	mg/kg	U	1
Chloroform	67-66-3	U	0.001	0.001	mg/kg	U	1
Methyl Chloride	74-87-3	U	0.002	0.001	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.002	0.001	mg/kg	U	1
Dibromochloromethane	124-48-1	U	0.004	0.001	mg/kg	U	1
Ethylbenzene	100-41-4	U	0.001	0.001	mg/kg	U	1
Methylene Chloride	75-09-2	0.043	0.004	0.001	mg/kg		1
Tetrachloroethylene	127-18-4	U	0.002	0.001	mg/kg	U	1
Toluene	108-88-3	U	0.002	0.001	mg/kg	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.002	0.001	mg/kg	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.002	0.001	mg/kg	U	1
Trichloroethylene	79-01-6	U	0.002	0.001	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.002	0.001	mg/kg	U	1
Vinyl Chloride	75-01-4	U	0.001	0.001	mg/kg	U	1

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EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-03**	Matrix: **SOIL**	% Moisture: **11.13**
Lab Sample Id: **338550-003**	Date Collected: **Jul-20-09 12:40**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3050B

Date Analyzed: Jul-28-09 09:36 Analyst: ARP Date Prep: Jul-24-09 12:00 Tech: RWA

Seq Number: 766596

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	1.64	0.563	0.101	mg/kg		1
Cadmium	7440-43-9	U	0.563	0.079	mg/kg	U	1
Chromium	7440-47-3	8.33	1.13	0.101	mg/kg		1
Lead	7439-92-1	7.78	0.563	0.225	mg/kg		1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3550

Date Analyzed: Jul-24-09 12:22 Analyst: JGO Date Prep: Jul-23-09 06:30 Tech: LUA

Seq Number: 766385

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	18.7	2.43	ug/kg	U	1
PCB-1221	11104-28-2	U	18.7	0.499	ug/kg	U	1
PCB-1232	11141-16-5	U	18.7	1.64	ug/kg	U	1
PCB-1242	53469-21-9	U	18.7	3.84	ug/kg	U	1
PCB-1248	12672-29-6	U	18.7	3.42	ug/kg	U	1
PCB-1254	11097-69-1	U	18.7	0.941	ug/kg	U	1
PCB-1260	11096-82-5	U	18.7	1.24	ug/kg	U	1

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EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-03**	Matrix: **SOIL**	% Moisture: **11.13**
Lab Sample Id: **338550-003**	Date Collected: **Jul-20-09 12:40**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 04:28 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	1.12	0.213	mg/kg	U	10
Acenaphthylene	208-96-8	U	1.12	0.205	mg/kg	U	10
Anthracene	120-12-7	U	0.750	0.121	mg/kg	U	10
Benzidine	92-87-5	U	10.5	2.54	mg/kg	U	10
Benzo(a)anthracene	56-55-3	0.244	0.375	0.083	mg/kg	I	10
Benzo(a)pyrene	50-32-8	0.266	0.750	0.101	mg/kg	I	10
Benzo(b)fluoranthene	205-99-2	0.405	0.750	0.158	mg/kg	I	10
Benzo(g,h,i)perylene	191-24-2	0.281	1.12	0.196	mg/kg	I	10
Benzo(k)fluoranthene	207-08-9	0.199	1.12	0.190	mg/kg	I	10
Benzyl Butyl Phthalate	85-68-7	U	0.750	0.097	mg/kg	U	10
bis(2-chloroethoxy) methane	111-91-1	U	1.50	0.359	mg/kg	U	10
bis(2-chloroethyl) ether	111-44-4	U	1.50	0.340	mg/kg	U	10
bis(2-chloroisopropyl) ether	108-60-1	U	0.750	0.181	mg/kg	U	10
bis(2-ethylhexyl) phthalate	117-81-7	U	0.750	0.183	mg/kg	U	10
4-Bromophenyl-phenylether	101-55-3	U	1.50	0.287	mg/kg	U	10
di-n-Butyl Phthalate	84-74-2	U	0.750	0.114	mg/kg	U	10
4-chloro-3-methylphenol	59-50-7	U	1.87	0.430	mg/kg	U	10
2-Chloronaphthalene	91-58-7	U	0.750	0.140	mg/kg	U	10
2-Chlorophenol	95-57-8	U	1.12	0.256	mg/kg	U	10
4-Chlorophenyl Phenyl Ether	7005-72-3	U	1.50	0.326	mg/kg	U	10
Chrysene	218-01-9	0.356	0.750	0.095	mg/kg	I	10
Dibenz(a,h)anthracene	53-70-3	U	1.12	0.262	mg/kg	U	10
1,2-Dichlorobenzene	95-50-1	U	1.12	0.239	mg/kg	U	10
1,3-Dichlorobenzene	541-73-1	U	0.750	0.187	mg/kg	U	10
1,4-Dichlorobenzene	106-46-7	U	0.750	0.174	mg/kg	U	10
3,3-Dichlorobenzidine	91-94-1	U	1.50	0.361	mg/kg	U	10
2,4-Dichlorophenol	120-83-2	U	1.87	0.393	mg/kg	U	10
Diethyl Phthalate	84-66-2	U	1.12	0.205	mg/kg	U	10
Dimethyl Phthalate	131-11-3	U	1.12	0.253	mg/kg	U	10
2,4-Dimethylphenol	105-67-9	U	1.50	0.363	mg/kg	U	10
4,6-dinitro-2-methyl phenol	534-52-1	U	1.12	0.261	mg/kg	U	10
2,4-Dinitrophenol	51-28-5	U	2.25	0.558	mg/kg	U	10
2,4-Dinitrotoluene	121-14-2	U	1.12	0.263	mg/kg	U	10
2,6-Dinitrotoluene	606-20-2	U	1.50	0.339	mg/kg	U	10
Fluoranthene	206-44-0	0.570	0.750	0.134	mg/kg	I	10
Fluorene	86-73-7	U	0.750	0.184	mg/kg	U	10
Hexachlorobenzene	118-74-1	U	0.750	0.104	mg/kg	U	10
Hexachlorobutadiene	87-68-3	U	1.12	0.256	mg/kg	U	10
Hexachlorocyclopentadiene	77-47-4	U	1.50	0.325	mg/kg	U	10

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EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-03**	Matrix: **SOIL**	% Moisture: **11.13**
Lab Sample Id: **338550-003**	Date Collected: **Jul-20-09 12:40**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 04:28 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachloroethane	67-72-1	U	1.50	0.326	mg/kg	U	10
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	3.37	0.803	mg/kg	U	10
Isophorone	78-59-1	U	1.12	0.236	mg/kg	U	10
Naphthalene	91-20-3	U	0.750	0.183	mg/kg	U	10
Nitrobenzene	98-95-3	U	1.12	0.269	mg/kg	U	10
2-Nitrophenol	88-75-5	U	2.62	0.652	mg/kg	U	10
4-Nitrophenol	100-02-7	U	2.25	0.475	mg/kg	U	10
N-Nitrosodimethylamine	62-75-9	U	1.12	0.270	mg/kg	U	10
N-Nitrosodi-n-Propylamine	621-64-7	U	1.50	0.330	mg/kg	U	10
N-Nitrosodiphenylamine	86-30-6	U	0.750	0.136	mg/kg	U	10
di-n-Octyl Phthalate	117-84-0	U	0.750	0.110	mg/kg	U	10
Pentachlorophenol	87-86-5	U	2.25	0.531	mg/kg	U	10
Phenanthrene	85-01-8	0.142	0.750	0.119	mg/kg	I	10
Phenol	108-95-2	U	1.50	0.331	mg/kg	U	10
Pyrene	129-00-0	0.465	0.750	0.102	mg/kg	I	10
1,2,4-Trichlorobenzene	120-82-1	U	1.12	0.234	mg/kg	U	10
2,4,6-Trichlorophenol	88-06-2	U	0.750	0.175	mg/kg	U	10

Analytical Method: TPH by FLPRO Prep Method: SW3550

Date Analyzed: Jul-24-09 09:13 Analyst: ARM Date Prep: Jul-23-09 15:33 Tech: ABC

Seq Number: 766449

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	5.62	0.103	mg/kg	U	1
DRO (C10-C28) Range	DROC10C28	1.35	5.62	0.466	mg/kg	I	1
ORO (C28-C40) Range	OROC28C40	2.18	5.62	0.357	mg/kg	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	3.53	5.62	0.103	mg/kg	I	1

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1390 NW 37 Street

Sample Id: **SB-03**	Matrix: **SOIL**	% Moisture:
Lab Sample Id: **338550-003**	Date Collected: **Jul-20-09 12:40**	Basis: **Wet Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Percent Moisture Prep Method:

Date Analyzed: Jul-23-09 16:00 Analyst: RWA Date Prep: Tech: RWA

Seq Number: 766420

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Percent Moisture	TMOIST	11.13	1.00	1.00	%		1

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-22-09 22:01 Analyst: DAP Date Prep: Jul-22-09 14:10 Tech: ROL

Seq Number: 766249

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.001	0.001	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.001	0.001	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.003	0.001	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.003	0.001	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.004	0.001	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.003	0.001	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.003	0.001	mg/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	0.001	0.001	mg/kg	U	1
Acrolein	107-02-8	U	0.015	0.004	mg/kg	U	1
Acrylonitrile	107-13-1	U	0.013	0.003	mg/kg	U	1
Benzene	71-43-2	U	0.001	0.001	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.003	0.001	mg/kg	U	1
Bromoform	75-25-2	U	0.001	0.001	mg/kg	U	1
Methyl bromide	74-83-9	U	0.007	0.002	mg/kg	U	1
Carbon Tetrachloride	56-23-5	U	0.003	0.001	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.003	0.001	mg/kg	U	1
Chloroethane	75-00-3	U	0.003	0.001	mg/kg	U	1
Chloroform	67-66-3	U	0.001	0.001	mg/kg	U	1
Methyl Chloride	74-87-3	U	0.003	0.001	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.003	0.001	mg/kg	U	1
Dibromochloromethane	124-48-1	U	0.006	0.001	mg/kg	U	1
Ethylbenzene	100-41-4	U	0.001	0.001	mg/kg	U	1
Methylene Chloride	75-09-2	0.015	0.006	0.001	mg/kg		1
Tetrachloroethylene	127-18-4	U	0.003	0.001	mg/kg	U	1
Toluene	108-88-3	U	0.003	0.001	mg/kg	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.003	0.001	mg/kg	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.003	0.001	mg/kg	U	1
Trichloroethylene	79-01-6	U	0.003	0.001	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.003	0.001	mg/kg	U	1
Vinyl Chloride	75-01-4	U	0.001	0.001	mg/kg	U	1

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EBS Engineering, Miami, FL
1390 NW 37 Street

Sample Id: **SB-04**	Matrix: **SOIL**	% Moisture: **4.29**
Lab Sample Id: **338550-004**	Date Collected: **Jul-20-09 14:00**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3050B

Date Analyzed: Jul-28-09 09:44 Analyst: ARP Date Prep: Jul-24-09 12:00 Tech: RWA
Seq Number: 766596

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	0.230	0.522	0.094	mg/kg	I	1
Cadmium	7440-43-9	U	0.522	0.073	mg/kg	U	1
Chromium	7440-47-3	3.84	1.04	0.094	mg/kg		1
Lead	7439-92-1	9.46	0.522	0.209	mg/kg		1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3550

Date Analyzed: Jul-24-09 12:48 Analyst: JGO Date Prep: Jul-23-09 06:30 Tech: LUA
Seq Number: 766385

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	34.8	4.50	ug/kg	U	1
PCB-1221	11104-28-2	U	34.8	0.925	ug/kg	U	1
PCB-1232	11141-16-5	U	34.8	3.04	ug/kg	U	1
PCB-1242	53469-21-9	U	34.8	7.12	ug/kg	U	1
PCB-1248	12672-29-6	U	34.8	6.34	ug/kg	U	1
PCB-1254	11097-69-1	U	34.8	1.75	ug/kg	U	1
PCB-1260	11096-82-5	U	34.8	2.31	ug/kg	U	1

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EBS Engineering, Miami, FL

1390 NW 37 Street

Sample Id: **SB-04**	Matrix: **SOIL**	% Moisture: **4.29**
Lab Sample Id: **338550-004**	Date Collected: **Jul-20-09 14:00**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 03:38 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.104	0.020	mg/kg	U	1
Acenaphthylene	208-96-8	U	0.104	0.019	mg/kg	U	1
Anthracene	120-12-7	U	0.070	0.011	mg/kg	U	1
Benzidine	92-87-5	U	0.974	0.235	mg/kg	U	1
Benzo(a)anthracene	56-55-3	U	0.035	0.008	mg/kg	U	1
Benzo(a)pyrene	50-32-8	U	0.070	0.009	mg/kg	U	1
Benzo(b)fluoranthene	205-99-2	U	0.070	0.015	mg/kg	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.104	0.018	mg/kg	U	1
Benzo(k)fluoranthene	207-08-9	U	0.104	0.018	mg/kg	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.070	0.009	mg/kg	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.139	0.033	mg/kg	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.139	0.032	mg/kg	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.070	0.017	mg/kg	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.070	0.017	mg/kg	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.139	0.027	mg/kg	U	1
di-n-Butyl Phthalate	84-74-2	U	0.070	0.011	mg/kg	U	1
4-chloro-3-methylphenol	59-50-7	U	0.174	0.040	mg/kg	U	1
2-Chloronaphthalene	91-58-7	U	0.070	0.013	mg/kg	U	1
2-Chlorophenol	95-57-8	U	0.104	0.024	mg/kg	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.139	0.030	mg/kg	U	1
Chrysene	218-01-9	U	0.070	0.009	mg/kg	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.104	0.024	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.104	0.022	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.070	0.017	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.070	0.016	mg/kg	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.139	0.034	mg/kg	U	1
2,4-Dichlorophenol	120-83-2	U	0.174	0.037	mg/kg	U	1
Diethyl Phthalate	84-66-2	U	0.104	0.019	mg/kg	U	1
Dimethyl Phthalate	131-11-3	U	0.104	0.024	mg/kg	U	1
2,4-Dimethylphenol	105-67-9	U	0.139	0.034	mg/kg	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.104	0.024	mg/kg	U	1
2,4-Dinitrophenol	51-28-5	U	0.209	0.052	mg/kg	U	1
2,4-Dinitrotoluene	121-14-2	U	0.104	0.024	mg/kg	U	1
2,6-Dinitrotoluene	606-20-2	U	0.139	0.032	mg/kg	U	1
Fluoranthene	206-44-0	U	0.070	0.012	mg/kg	U	1
Fluorene	86-73-7	U	0.070	0.017	mg/kg	U	1
Hexachlorobenzene	118-74-1	U	0.070	0.010	mg/kg	U	1
Hexachlorobutadiene	87-68-3	U	0.104	0.024	mg/kg	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.139	0.030	mg/kg	U	1

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Sample Id: **SB-04**	Matrix: **SOIL**	% Moisture: **4.29**
Lab Sample Id: **338550-004**	Date Collected: **Jul-20-09 14:00**	Basis: **Dry Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3550

Date Analyzed: Jul-28-09 03:38 Analyst: VIC Date Prep: Jul-27-09 08:17 Tech: MAZ

Seq Number: 766726

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachloroethane	67-72-1	U	0.139	0.030	mg/kg	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.313	0.075	mg/kg	U	1
Isophorone	78-59-1	U	0.104	0.022	mg/kg	U	1
Naphthalene	91-20-3	U	0.070	0.017	mg/kg	U	1
Nitrobenzene	98-95-3	U	0.104	0.025	mg/kg	U	1
2-Nitrophenol	88-75-5	U	0.244	0.061	mg/kg	U	1
4-Nitrophenol	100-02-7	U	0.209	0.044	mg/kg	U	1
N-Nitrosodimethylamine	62-75-9	U	0.104	0.025	mg/kg	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.139	0.031	mg/kg	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.070	0.013	mg/kg	U	1
di-n-Octyl Phthalate	117-84-0	U	0.070	0.010	mg/kg	U	1
Pentachlorophenol	87-86-5	U	0.209	0.049	mg/kg	U	1
Phenanthrene	85-01-8	U	0.070	0.011	mg/kg	U	1
Phenol	108-95-2	U	0.139	0.031	mg/kg	U	1
Pyrene	129-00-0	U	0.070	0.010	mg/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.104	0.022	mg/kg	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.070	0.016	mg/kg	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3550

Date Analyzed: Jul-24-09 09:38 Analyst: ARM Date Prep: Jul-23-09 15:33 Tech: ABC

Seq Number: 766449

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	5.22	0.096	mg/kg	U	1
DRO (C10-C28) Range	DROC10C28	U	5.22	0.432	mg/kg	U	1
ORO (C28-C40) Range	OROC28C40	2.66	5.22	0.331	mg/kg	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	2.66	5.22	0.096	mg/kg	I	1

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Sample Id: **SB-04**	Matrix: **SOIL**	% Moisture:
Lab Sample Id: **338550-004**	Date Collected: **Jul-20-09 14:00**	Basis: **Wet Weight**
Sample Depth: **6 - 8 ft**	Date Received: **Jul-21-09 16:15**	

Analytical Method: Percent Moisture Prep Method:

Date Analyzed: Jul-23-09 16:00 Analyst: RWA Date Prep: Tech: RWA
Seq Number: 766420

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Percent Moisture	TMOIST	4.29	1.00	1.00	%		1

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-22-09 20:44 Analyst: DAP Date Prep: Jul-22-09 14:10 Tech: ROL
Seq Number: 766249

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.001	0.001	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.001	0.001	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.003	0.001	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.003	0.001	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.004	0.001	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.003	0.001	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.003	0.001	mg/kg	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	0.001	0.001	mg/kg	U	1
Acrolein	107-02-8	U	0.013	0.003	mg/kg	U	1
Acrylonitrile	107-13-1	U	0.012	0.003	mg/kg	U	1
Benzene	71-43-2	U	0.001	0.001	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.003	0.001	mg/kg	U	1
Bromoform	75-25-2	U	0.001	0.001	mg/kg	U	1
Methyl bromide	74-83-9	U	0.007	0.002	mg/kg	U	1
Carbon Tetrachloride	56-23-5	U	0.003	0.001	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.003	0.001	mg/kg	U	1
Chloroethane	75-00-3	U	0.003	0.001	mg/kg	U	1
Chloroform	67-66-3	U	0.001	0.001	mg/kg	U	1
Methyl Chloride	74-87-3	U	0.003	0.001	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.003	0.001	mg/kg	U	1
Dibromochloromethane	124-48-1	U	0.005	0.001	mg/kg	U	1
Ethylbenzene	100-41-4	U	0.001	0.001	mg/kg	U	1
Methylene Chloride	75-09-2	0.055	0.005	0.001	mg/kg		1
Tetrachloroethylene	127-18-4	U	0.003	0.001	mg/kg	U	1
Toluene	108-88-3	U	0.003	0.001	mg/kg	U	1
trans-1,2-dichloroethylene	156-60-5	U	0.003	0.001	mg/kg	U	1
trans-1,3-dichloropropene	10061-02-6	U	0.003	0.001	mg/kg	U	1
Trichloroethylene	79-01-6	U	0.003	0.001	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.003	0.001	mg/kg	U	1
Vinyl Chloride	75-01-4	U	0.001	0.001	mg/kg	U	1

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Flagging Criteria

FLORIDA Flagging Criteria

A Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.

B Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.

F When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.

H Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .

J1: No known quality control criteria exist for the component;

J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);

J3: The sample matrix interfered with the ability to make any accurate determination;

J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).

J5: The field calibration verification did not meet calibration acceptance criteria.

J6: QC protocol not followed.

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
11078 Morrison Rd., Suite D, Dallas, TX 75229	(972) 481-9999	(972) 481-9998
5309 Wurzbach, Ste 104 San Antonio TX 78238	(210) 509-3334	(201) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555

Flagging Criteria

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

K Off-scale low. Actual value is known to be less than the value given. This code shall be used if:

1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or
2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.

L Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

M When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.

N Presumptive evidence of presence of material. This qualifier shall be used if:

1. The component has been tentatively identified based on mass spectral library search; or
2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).

O Sampled, but analysis lost or not performed.

Q Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.

U Indicates that the compound was analyzed for but not detected. This symbolshall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).

V Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
11078 Morrison Rd., Suite D, Dallas, TX 75229	(972) 481-9999	(972) 481-9998
5309 Wurzbach, Ste 104 San Antonio TX 78238	(210) 509-3334	(201) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555

XENCO Laboratories

☐ 11381 Meadowglen, Ste L, Houston TX 77082 281-589-0692
☐ 5309 Wurzbach Rd, Ste 104, San Antonio, TX 78238 210-509-3334
☐ 11078 Morrison Ln, Ste D, Dallas, TX 75229 972-481-9999
☐ 5757 N.W. 158th Street, Miami Lakes, Fl 33014 305-823-8500
☐ 2618 South Falkenburg Rd, Riverview, Fl 33569 813-620-2000

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Page of

Serial #: 154130

Company: EBS Engineering, Inc
Phone: 3056255252
Lab Only: 338550
Project Name-State: 1390 NW 37 Street
☐ Previously done at XENCO
Project ID: 820-0901047.01
TAT: 5h 12h 24h 48h 3d 5d 7d 10d 14d 21d. Standard TAT is Quote Specific, please circle your required TAT.
Site/Location: Miami FL
Proj. Manager (PM): Francisco Gomez
Fax Results to ☒ PM and / or
Fax No:
e-mail Final Report to: fgomez@ebsengineering.com
Invoice to ☐ Accounting ☒ Invoice with Final Report ☐ Invoice must have a P.O.
Bill to: EBS Engineering, Inc
Quote No:
P.O No:
☐ Call for a P.O.
Reg Program: CLP AFCEE TRRP DW UST Other:
Special DLs (GW DW TRRP QAPP MDLs See Lab PM Included Call PM)
Specifications: Level I II III IV Custom with Raw Data EDD Dry Basis
Sampler Name: D. Batay
Signature: D Bat

	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix A P S W	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	BTEX by 8021 8260 602 624 Other	BTEX-MTBE by 8021 8260 624 Other	TPH by TX1005 FL-Pro 418.1 8015GRO 8015DRO 1664	PAHs by 8270 8100 8310	Metals by 6010 or 6020 8RCRA Tot Pb TCLP8 13PP 23TAL	VOCs by 8021 8260 624 VOA VOH PPs TCL TCLP	SVOCs by 8270 625 PAHs BN&A TCL PPs TCLP	FL Preburn or Revised Preburn	Used Oil Group	TAT 5h 12h 24h 48h 3d 5d 7d 10d 14d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold: Analysis Disposal	Remarks	Addn:
1	SB-01	7/20/09	1030	6-8	S		✓	5												✓					
2	SB-02	7/20/09	1115	6-8	S		✓	5												✓					
3	SB-03	7/20/09	1240	6-8	S		✓	5												✓					
4	SB-04	7/20/09	1400	6-8	S		✓	5												✓					
5																									
6																									
7																									
8																									
9																									
10																									

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1 D Bat	7/20/09 1600		7/20/09 1600
2	7/21/09		07/21/09 12
3		Lab:	7/21/09 11:1

Total Containers per COC:
Cooler Temp:
Specific Fax Due Date: Std
☐ Rush Preliminary Results Cost Approved
☒ Rush Data Package cost preapproved
Rush Charges are Pre-Approved upon Requesting them. All Terms Apply

From:
Rcv by:
Date
Addn:

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____

Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (V), 1L (1), 500ml (5), Tedlar Bag (B), Wipe (W), Other _____ **Cont. Type:** Glass Amb (A), Glass Clear (C), Plastic (P), Other (O) _____

Matrix: Air (A), Product (P), Solid(S), Water (W)

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Analytical Report 338771

for

EBS Engineering

Project Manager: Frank Gomez

1375 NW 36th st/1390 NW 37th st Monitoring

31-JUL-09

10200 USA Today Way, Miramar, FL 33025
Ph:(305) 823-8500 Fax:(305) 823-8555

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-08-TX), Arizona (AZ0738), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00308), USDA (S-44102)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87428), North Carolina (483), South Carolina (98015), Utah (AALI1), West Virginia (362), Kentucky (85)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Miami (EPA Lab code: FL01152): Florida (E86678), Maryland (330)

Xenco-Miramar (EPA Lab code: FL01246): Florida (E86349)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-08-TX)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-08-TX)

Xenco-Corpus Christi (EPA Lab code: TX02613): Texas (T104704370-08-TX)

Houston - Dallas - San Antonio - Tampa - Miami - Midland - Corpus Christi - Atlanta - Latin America

31-JUL-09

Project Manager: **Frank Gomez**
EBS Engineering
101 NW 176 St.
Miami, FL 33116

Reference: XENCO Report No: **338771**
1375 NW 36th st/1390 NW 37th st Monitoring
Project Address:

Frank Gomez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 338771. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 338771 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Terrence Anderson
Office Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY
Houston - Dallas - San Antonio - Austin - Tampa - Miami - Atlanta - Corpus Christi - Latin America

Sample Cross Reference 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW-1	W	Jul-23-09 12:24		338771-001
MW-2	W	Jul-23-09 13:17		338771-002
MW-3	W	Jul-23-09 13:59		338771-003
MW-4	W	Jul-23-09 14:43		338771-004

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-1** Matrix: **WATER** % Moisture:

Lab Sample Id: **338771-001** Date Collected: **Jul-23-09 12:24**

Date Received: **Jul-23-09 16:05**

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3010A

Date Analyzed: Jul-28-09 04:01 Analyst: ARP Date Prep: Jul-24-09 09:00 Tech: RWA

Seq Number: 766731

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	0.003	0.003	0.001	mg/L		1
Cadmium	7440-43-9	U	0.002	0.001	mg/L	U	1
Chromium	7440-47-3	U	0.004	0.001	mg/L	U	1
Lead	7439-92-1	0.005	0.005	0.002	mg/L	I	1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3510C

Date Analyzed: Jul-28-09 07:50 Analyst: JGO Date Prep: Jul-27-09 10:42 Tech: LUA

Seq Number: 766887

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	1.11	0.231	ug/L	U	1
PCB-1221	11104-28-2	U	1.11	0.331	ug/L	U	1
PCB-1232	11141-16-5	U	1.11	0.115	ug/L	U	1
PCB-1242	53469-21-9	U	1.11	0.097	ug/L	U	1
PCB-1248	12672-29-6	U	1.11	0.123	ug/L	U	1
PCB-1254	11097-69-1	U	1.11	0.141	ug/L	U	1
PCB-1260	11096-82-5	U	1.11	0.223	ug/L	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-1** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-001** Date Collected: **Jul-23-09 12:24**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 20:01 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.011	0.002	mg/L	U	1
Acenaphthylene	208-96-8	U	0.011	0.002	mg/L	U	1
Anthracene	120-12-7	U	0.011	0.002	mg/L	U	1
Benzidine	92-87-5	U	0.111	0.015	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.011	0.002	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.011	0.002	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.011	0.002	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.011	0.002	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.011	0.002	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.011	0.002	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.022	0.002	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.022	0.002	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.022	0.002	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.011	0.002	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.022	0.002	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.022	0.002	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.022	0.002	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.022	0.002	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.022	0.002	mg/L	U	1
Chrysene	218-01-9	U	0.011	0.002	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.011	0.002	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.011	0.006	mg/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.022	0.002	mg/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.022	0.002	mg/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.022	0.002	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.022	0.004	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.022	0.002	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.011	0.002	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.011	0.002	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.022	0.002	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.022	0.003	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.022	0.002	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.022	0.002	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.022	0.002	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.011	0.002	mg/L	U	1
Fluoranthene	206-44-0	U	0.011	0.002	mg/L	U	1
Fluorene	86-73-7	U	0.011	0.002	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.022	0.002	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.022	0.002	mg/L	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-1** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-001** Date Collected: **Jul-23-09 12:24**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 20:01 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachlorocyclopentadiene	77-47-4	U	0.022	0.002	mg/L	U	1
Hexachloroethane	67-72-1	U	0.022	0.002	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.011	0.002	mg/L	U	1
Isophorone	78-59-1	U	0.022	0.003	mg/L	U	1
Naphthalene	91-20-3	U	0.011	0.002	mg/L	U	1
Nitrobenzene	98-95-3	U	0.022	0.002	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.022	0.002	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodimethylamine	62-75-9	U	0.022	0.002	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.022	0.004	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.022	0.002	mg/L	U	1
Phenanthrene	85-01-8	U	0.011	0.003	mg/L	U	1
Phenol	108-95-2	U	0.022	0.002	mg/L	U	1
Pyrene	129-00-0	U	0.011	0.002	mg/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.022	0.002	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.022	0.002	mg/L	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3510C

Date Analyzed: Jul-27-09 09:25 Analyst: ARM Date Prep: Jul-24-09 06:30 Tech: LUA
Seq Number: 766651

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	0.100	0.006	mg/L	U	1
DRO (C10-C28) Range	DROC10C28	U	0.100	0.051	mg/L	U	1
ORO (C28-C40) Range	OROC28C40	0.029	0.100	0.015	mg/L	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	0.029	0.100	0.006	mg/L	I	1

Project: Florida Standard List of Methods

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-1** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-001** Date Collected: **Jul-23-09 12:24**
Date Received: **Jul-23-09 16:05**

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-25-09 21:13 Analyst: DAP Date Prep: Jul-25-09 18:05 Tech: MEZ
Seq Number: 766659

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Methyl bromide	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Methyl Chloride	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromochloromethane	124-48-1	U	2.00	0.256	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethylene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-2** Matrix: **WATER** % Moisture:

Lab Sample Id: **338771-002** Date Collected: **Jul-23-09 13:17**

Date Received: **Jul-23-09 16:05**

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3010A

Date Analyzed: Jul-28-09 04:09 Analyst: ARP Date Prep: Jul-24-09 09:00 Tech: RWA

Seq Number: 766731

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.003	0.001	mg/L	U	1
Cadmium	7440-43-9	U	0.002	0.001	mg/L	U	1
Chromium	7440-47-3	U	0.004	0.001	mg/L	U	1
Lead	7439-92-1	U	0.005	0.002	mg/L	U	1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3510C

Date Analyzed: Jul-28-09 08:17 Analyst: JGO Date Prep: Jul-27-09 10:42 Tech: LUA

Seq Number: 766887

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	1.11	0.231	ug/L	U	1
PCB-1221	11104-28-2	U	1.11	0.331	ug/L	U	1
PCB-1232	11141-16-5	U	1.11	0.115	ug/L	U	1
PCB-1242	53469-21-9	U	1.11	0.097	ug/L	U	1
PCB-1248	12672-29-6	U	1.11	0.123	ug/L	U	1
PCB-1254	11097-69-1	U	1.11	0.141	ug/L	U	1
PCB-1260	11096-82-5	U	1.11	0.223	ug/L	U	1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-2** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-002** Date Collected: **Jul-23-09 13:17**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 20:50 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.011	0.002	mg/L	U	1
Acenaphthylene	208-96-8	U	0.011	0.002	mg/L	U	1
Anthracene	120-12-7	U	0.011	0.002	mg/L	U	1
Benzidine	92-87-5	U	0.111	0.015	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.011	0.002	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.011	0.002	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.011	0.002	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.011	0.002	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.011	0.002	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.011	0.002	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.022	0.002	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.022	0.002	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.022	0.002	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.011	0.002	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.022	0.002	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.022	0.002	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.022	0.002	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.022	0.002	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.022	0.002	mg/L	U	1
Chrysene	218-01-9	U	0.011	0.002	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.011	0.002	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.011	0.006	mg/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.022	0.002	mg/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.022	0.002	mg/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.022	0.002	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.022	0.004	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.022	0.002	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.011	0.002	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.011	0.002	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.022	0.002	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.022	0.003	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.022	0.002	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.022	0.002	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.022	0.002	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.011	0.002	mg/L	U	1
Fluoranthene	206-44-0	U	0.011	0.002	mg/L	U	1
Fluorene	86-73-7	U	0.011	0.002	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.022	0.002	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.022	0.002	mg/L	U	1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-2** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-002** Date Collected: **Jul-23-09 13:17**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 20:50 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachlorocyclopentadiene	77-47-4	U	0.022	0.002	mg/L	U	1
Hexachloroethane	67-72-1	U	0.022	0.002	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.011	0.002	mg/L	U	1
Isophorone	78-59-1	U	0.022	0.003	mg/L	U	1
Naphthalene	91-20-3	U	0.011	0.002	mg/L	U	1
Nitrobenzene	98-95-3	U	0.022	0.002	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.022	0.002	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodimethylamine	62-75-9	U	0.022	0.002	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.022	0.004	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.022	0.002	mg/L	U	1
Phenanthrene	85-01-8	U	0.011	0.003	mg/L	U	1
Phenol	108-95-2	U	0.022	0.002	mg/L	U	1
Pyrene	129-00-0	U	0.011	0.002	mg/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.022	0.002	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.022	0.002	mg/L	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3510C

Date Analyzed: Jul-27-09 09:54 Analyst: ARM Date Prep: Jul-24-09 06:30 Tech: LUA
Seq Number: 766651

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	0.100	0.006	mg/L	U	1
DRO (C10-C28) Range	DROC10C28	U	0.100	0.051	mg/L	U	1
ORO (C28-C40) Range	OROC28C40	0.022	0.100	0.015	mg/L	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	0.022	0.100	0.006	mg/L	I	1

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EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-2** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-002** Date Collected: **Jul-23-09 13:17**
Date Received: **Jul-23-09 16:05**

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-25-09 21:36 Analyst: DAP Date Prep: Jul-25-09 18:05 Tech: MEZ
Seq Number: 766659

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Methyl bromide	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Methyl Chloride	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromochloromethane	124-48-1	U	2.00	0.256	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethylene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

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EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-3** Matrix: **WATER** % Moisture:

Lab Sample Id: **338771-003** Date Collected: **Jul-23-09 13:59**

Date Received: **Jul-23-09 16:05**

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3010A

Date Analyzed: Jul-28-09 04:17 Analyst: ARP Date Prep: Jul-24-09 09:00 Tech: RWA

Seq Number: 766731

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	0.001	0.003	0.001	mg/L	I	1
Cadmium	7440-43-9	U	0.002	0.001	mg/L	U	1
Chromium	7440-47-3	U	0.004	0.001	mg/L	U	1
Lead	7439-92-1	0.006	0.005	0.002	mg/L		1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3510C

Date Analyzed: Jul-28-09 08:43 Analyst: JGO Date Prep: Jul-27-09 10:42 Tech: LUA

Seq Number: 766887

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	1.11	0.231	ug/L	U	1
PCB-1221	11104-28-2	U	1.11	0.331	ug/L	U	1
PCB-1232	11141-16-5	U	1.11	0.115	ug/L	U	1
PCB-1242	53469-21-9	U	1.11	0.097	ug/L	U	1
PCB-1248	12672-29-6	U	1.11	0.123	ug/L	U	1
PCB-1254	11097-69-1	U	1.11	0.141	ug/L	U	1
PCB-1260	11096-82-5	U	1.11	0.223	ug/L	U	1

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EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-3** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-003** Date Collected: **Jul-23-09 13:59**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 21:39 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.011	0.002	mg/L	U	1
Acenaphthylene	208-96-8	U	0.011	0.002	mg/L	U	1
Anthracene	120-12-7	U	0.011	0.002	mg/L	U	1
Benzidine	92-87-5	U	0.111	0.015	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.011	0.002	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.011	0.002	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.011	0.002	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.011	0.002	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.011	0.002	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.011	0.002	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.022	0.002	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.022	0.002	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.022	0.002	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.011	0.002	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.022	0.002	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.022	0.002	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.022	0.002	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.022	0.002	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.022	0.002	mg/L	U	1
Chrysene	218-01-9	U	0.011	0.002	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.011	0.002	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.011	0.006	mg/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.022	0.002	mg/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.022	0.002	mg/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.022	0.002	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.022	0.004	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.022	0.002	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.011	0.002	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.011	0.002	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.022	0.002	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.022	0.003	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.022	0.002	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.022	0.002	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.022	0.002	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.011	0.002	mg/L	U	1
Fluoranthene	206-44-0	U	0.011	0.002	mg/L	U	1
Fluorene	86-73-7	U	0.011	0.002	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.022	0.002	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.022	0.002	mg/L	U	1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-3** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-003** Date Collected: **Jul-23-09 13:59**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 21:39 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachlorocyclopentadiene	77-47-4	U	0.022	0.002	mg/L	U	1
Hexachloroethane	67-72-1	U	0.022	0.002	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.011	0.002	mg/L	U	1
Isophorone	78-59-1	U	0.022	0.003	mg/L	U	1
Naphthalene	91-20-3	U	0.011	0.002	mg/L	U	1
Nitrobenzene	98-95-3	U	0.022	0.002	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.022	0.002	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodimethylamine	62-75-9	U	0.022	0.002	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.022	0.004	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.022	0.002	mg/L	U	1
Phenanthrene	85-01-8	U	0.011	0.003	mg/L	U	1
Phenol	108-95-2	U	0.022	0.002	mg/L	U	1
Pyrene	129-00-0	U	0.011	0.002	mg/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.022	0.002	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.022	0.002	mg/L	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3510C

Date Analyzed: Jul-27-09 10:23 Analyst: ARM Date Prep: Jul-24-09 06:30 Tech: LUA
Seq Number: 766651

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	0.100	0.006	mg/L	U	1
DRO (C10-C28) Range	DROC10C28	0.090	0.100	0.051	mg/L	I	1
ORO (C28-C40) Range	OROC28C40	0.117	0.100	0.015	mg/L		1
TOTAL FLPRO (C8-C40)	TOTFLPRO	0.207	0.100	0.006	mg/L		1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-3** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-003** Date Collected: **Jul-23-09 13:59**
Date Received: **Jul-23-09 16:05**

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-25-09 21:58 Analyst: DAP Date Prep: Jul-25-09 18:05 Tech: MEZ
Seq Number: 766659

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Methyl bromide	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Methyl Chloride	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromochloromethane	124-48-1	U	2.00	0.256	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethylene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-4** Matrix: **WATER** % Moisture:

Lab Sample Id: **338771-004** Date Collected: **Jul-23-09 14:43**

Date Received: **Jul-23-09 16:05**

Analytical Method: Metals per ICP-MS by SW 6020A Prep Method: SW3010A

Date Analyzed: Jul-28-09 04:58 Analyst: ARP Date Prep: Jul-24-09 09:00 Tech: RWA

Seq Number: 766731

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Arsenic	7440-38-2	U	0.003	0.001	mg/L	U	1
Cadmium	7440-43-9	U	0.002	0.001	mg/L	U	1
Chromium	7440-47-3	U	0.004	0.001	mg/L	U	1
Lead	7439-92-1	U	0.005	0.002	mg/L	U	1

Analytical Method: PCBs by EPA 8082 Prep Method: SW3510C

Date Analyzed: Jul-28-09 09:09 Analyst: JGO Date Prep: Jul-27-09 10:42 Tech: LUA

Seq Number: 766887

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
PCB-1016	12674-11-2	U	1.11	0.231	ug/L	U	1
PCB-1221	11104-28-2	U	1.11	0.331	ug/L	U	1
PCB-1232	11141-16-5	U	1.11	0.115	ug/L	U	1
PCB-1242	53469-21-9	U	1.11	0.097	ug/L	U	1
PCB-1248	12672-29-6	U	1.11	0.123	ug/L	U	1
PCB-1254	11097-69-1	U	1.11	0.141	ug/L	U	1
PCB-1260	11096-82-5	U	1.11	0.223	ug/L	U	1

Project: Florida Standard List of Methods

XENCO Laboratories

Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-4** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-004** Date Collected: **Jul-23-09 14:43**
Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 22:29 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA
Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Acenaphthene	83-32-9	U	0.011	0.002	mg/L	U	1
Acenaphthylene	208-96-8	U	0.011	0.002	mg/L	U	1
Anthracene	120-12-7	U	0.011	0.002	mg/L	U	1
Benzidine	92-87-5	U	0.111	0.015	mg/L	U	1
Benzo(a)anthracene	56-55-3	U	0.011	0.002	mg/L	U	1
Benzo(a)pyrene	50-32-8	U	0.011	0.002	mg/L	U	1
Benzo(b)fluoranthene	205-99-2	U	0.011	0.002	mg/L	U	1
Benzo(k)fluoranthene	207-08-9	U	0.011	0.002	mg/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.011	0.002	mg/L	U	1
Benzyl Butyl Phthalate	85-68-7	U	0.011	0.002	mg/L	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.022	0.002	mg/L	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.022	0.002	mg/L	U	1
bis(2-chloroisopropyl) ether	108-60-1	U	0.022	0.002	mg/L	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.011	0.002	mg/L	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.022	0.002	mg/L	U	1
4-chloro-3-methylphenol	59-50-7	U	0.022	0.002	mg/L	U	1
2-Chloronaphthalene	91-58-7	U	0.022	0.002	mg/L	U	1
2-Chlorophenol	95-57-8	U	0.022	0.002	mg/L	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.022	0.002	mg/L	U	1
Chrysene	218-01-9	U	0.011	0.002	mg/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	0.011	0.002	mg/L	U	1
di-n-Butyl Phthalate	84-74-2	U	0.011	0.006	mg/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.022	0.002	mg/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.022	0.002	mg/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.022	0.002	mg/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.022	0.004	mg/L	U	1
2,4-Dichlorophenol	120-83-2	U	0.022	0.002	mg/L	U	1
Diethyl Phthalate	84-66-2	U	0.011	0.002	mg/L	U	1
Dimethyl Phthalate	131-11-3	U	0.011	0.002	mg/L	U	1
2,4-Dimethylphenol	105-67-9	U	0.022	0.002	mg/L	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.022	0.003	mg/L	U	1
2,4-Dinitrophenol	51-28-5	U	0.022	0.002	mg/L	U	1
2,4-Dinitrotoluene	121-14-2	U	0.022	0.002	mg/L	U	1
2,6-Dinitrotoluene	606-20-2	U	0.022	0.002	mg/L	U	1
di-n-Octyl Phthalate	117-84-0	U	0.011	0.002	mg/L	U	1
Fluoranthene	206-44-0	U	0.011	0.002	mg/L	U	1
Fluorene	86-73-7	U	0.011	0.002	mg/L	U	1
Hexachlorobenzene	118-74-1	U	0.022	0.002	mg/L	U	1
Hexachlorobutadiene	87-68-3	U	0.022	0.002	mg/L	U	1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-4** Matrix: **WATER** % Moisture:

Lab Sample Id: **338771-004** Date Collected: **Jul-23-09 14:43**

Date Received: **Jul-23-09 16:05**

Analytical Method: SVOAs PP List by EPA 8270C Prep Method: SW3510C

Date Analyzed: Jul-27-09 22:29 Analyst: VIC Date Prep: Jul-27-09 08:51 Tech: LUA

Seq Number: 766729

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
Hexachlorocyclopentadiene	77-47-4	U	0.022	0.002	mg/L	U	1
Hexachloroethane	67-72-1	U	0.022	0.002	mg/L	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.011	0.002	mg/L	U	1
Isophorone	78-59-1	U	0.022	0.003	mg/L	U	1
Naphthalene	91-20-3	U	0.011	0.002	mg/L	U	1
Nitrobenzene	98-95-3	U	0.022	0.002	mg/L	U	1
2-Nitrophenol	88-75-5	U	0.022	0.002	mg/L	U	1
4-Nitrophenol	100-02-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodimethylamine	62-75-9	U	0.022	0.002	mg/L	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.022	0.002	mg/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.022	0.004	mg/L	U	1
Pentachlorophenol	87-86-5	U	0.022	0.002	mg/L	U	1
Phenanthrene	85-01-8	U	0.011	0.003	mg/L	U	1
Phenol	108-95-2	U	0.022	0.002	mg/L	U	1
Pyrene	129-00-0	U	0.011	0.002	mg/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.022	0.002	mg/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.022	0.002	mg/L	U	1

Analytical Method: TPH by FLPRO Prep Method: SW3510C

Date Analyzed: Jul-27-09 10:52 Analyst: ARM Date Prep: Jul-24-09 06:30 Tech: LUA

Seq Number: 766651

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
GRO (C8-C10) Range	GROC8C10	U	0.100	0.006	mg/L	U	1
DRO (C10-C28) Range	DROC10C28	U	0.100	0.051	mg/L	U	1
ORO (C28-C40) Range	OROC28C40	0.044	0.100	0.015	mg/L	I	1
TOTAL FLPRO (C8-C40)	TOTFLPRO	0.044	0.100	0.006	mg/L	I	1

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Certificate of Analytical Results 338771

EBS Engineering, Miami, FL

1375 NW 36th st/1390 NW 37th st Monitoring

Sample Id: **MW-4** Matrix: **WATER** % Moisture:
Lab Sample Id: **338771-004** Date Collected: **Jul-23-09 14:43**
Date Received: **Jul-23-09 16:05**

Analytical Method: VOA PP List by SW-846 8260BPP Prep Method: SW5030B

Date Analyzed: Jul-25-09 22:20 Analyst: DAP Date Prep: Jul-25-09 18:05 Tech: MEZ
Seq Number: 766659

Parameter	Cas Number	Result	PQL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.232	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.233	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	2.00	0.288	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	2.00	0.255	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	2.00	0.269	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	2.00	0.338	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	2.00	0.326	ug/L	U	1
2-Chloroethyl Vinyl Ether	110-75-8	U	3.00	0.612	ug/L	U	1
Acrolein	107-02-8	U	14.0	3.45	ug/L	U	1
Acrylonitrile	107-13-1	U	13.0	3.08	ug/L	U	1
Benzene	71-43-2	U	1.00	0.211	ug/L	U	1
Bromodichloromethane	75-27-4	U	1.00	0.191	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.418	ug/L	U	1
Methyl bromide	74-83-9	U	3.00	0.610	ug/L	U	1
Carbon Tetrachloride	56-23-5	U	1.00	0.213	ug/L	U	1
Chlorobenzene	108-90-7	U	1.00	0.245	ug/L	U	1
Chloroethane	75-00-3	U	2.00	0.340	ug/L	U	1
Chloroform	67-66-3	U	2.00	0.263	ug/L	U	1
Methyl Chloride	74-87-3	U	2.00	0.250	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.249	ug/L	U	1
Dibromochloromethane	124-48-1	U	2.00	0.256	ug/L	U	1
Ethylbenzene	100-41-4	U	1.00	0.196	ug/L	U	1
Methylene Chloride	75-09-2	U	5.00	0.639	ug/L	U	1
Tetrachloroethylene	127-18-4	U	2.00	0.508	ug/L	U	1
Toluene	108-88-3	U	1.00	0.247	ug/L	U	1
trans-1,2-dichloroethylene	156-60-5	U	2.00	0.399	ug/L	U	1
trans-1,3-dichloropropene	10061-02-6	U	2.00	0.359	ug/L	U	1
Trichloroethylene	79-01-6	U	2.00	0.305	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	2.00	0.301	ug/L	U	1
Vinyl Chloride	75-01-4	U	1.00	0.414	ug/L	U	1

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Flagging Criteria

FLORIDA Flagging Criteria

A Value reported is the mean (average) of two or more determinations. This code shall be used if the reported value is the average of results for two or more discrete and separate samples. These samples shall have been processed and analyzed independently. Do not use this code if the data are the result of replicate analysis on the same sample aliquot, extract or digestate.

B Results based upon colony counts outside the acceptable range. This code applies to microbiological tests and specifically to membrane filter colony counts. The code is to be used if the colony count is generated from a plate in which the total number of coliform colonies is outside the method indicated ideal range. This code is not to be used if a 100 mL sample has been filtered and the colony count is less than the lower value of the ideal range.

F When reporting species: F indicates the female sex. Otherwise it indicates RPD value is outside the acceptable range.

H Value based on field kit determination; results may not be accurate. This code shall be used if a field screening test (i.e., field gas chromatograph data, immunoassay, vendor-supplied field kit, etc.) was used to generate the value and the field kit or method has not been recognized by the Department as equivalent to laboratory methods.

I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

J Estimated value. A "J" value shall be accompanied by a narrative justification for its use. Where possible, the organization shall report whether the actual value is less than or greater than the reported value. A "J" value shall not be used as a substitute for K, L, M, T, V, or Y, however, if additional reasons exist for identifying the value as estimate (e.g., matrix spiked failed to meet acceptance criteria), the "J" code may be added to a K, L, M, T, V, or Y. The following are some examples of narrative descriptions that may accompany a "J" code: .

J1: No known quality control criteria exist for the component;

J2: The reported value failed to meet the established quality control criteria for either precision or accuracy (the specific failure must be identified);

J3: The sample matrix interfered with the ability to make any accurate determination;

J4: The data are questionable because of improper laboratory or field protocols (e.g., composite sample was collected instead of a grab sample).

J5: The field calibration verification did not meet calibration acceptance criteria.

J6: QC protocol not followed.

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
11078 Morrison Rd., Suite D, Dallas, TX 75229	(972) 481-9999	(972) 481-9998
5309 Wurzbach, Ste 104 San Antonio TX 78238	(210) 509-3334	(201) 509-3335
2505 N. Falkenburg Rd., Tampa, FL 33619	(813) 620-2000	(813) 620-2033
5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555

Flagging Criteria

J7: B/A results for Chlorophyll does not meet 1 - 1.7 ratio.

K Off-scale low. Actual value is known to be less than the value given. This code shall be used if:

1. The value is less than the lowest calibration standard and the calibration curve is known to be non-linear; or

2. The value is known to be less than the reported value based on sample size, dilution. This code shall not be used to report values that are less than the laboratory practical quantitation limit or laboratory method detection limit.

L Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range or highest calibration standard) and the calibration curve is known to exhibit a negative deflection.

M When reporting chemical analyses: presence of material is verified but not quantified; the actual value is less than the value given. The reported value shall be the laboratory practical quantitation limit. This code shall be used if the level is too low to permit accurate quantification, but the estimated concentration is greater than the method detection limit. If the value is less than the method detection limit use "T" below.

N Presumptive evidence of presence of material. This qualifier shall be used if:

1. The component has been tentatively identified based on mass spectral library search; or

2. There is an indication that the analyte is present, but quality control requirements for confirmation were not met (i.e., presence of analyte was not confirmed by alternative procedures).

O Sampled, but analysis lost or not performed.

Q Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis.

T Value reported is less than the laboratory method detection limit. The value is reported for informational purposes, only and shall not be used in statistical analysis.

U Indicates that the compound was analyzed for but not detected. This symbolshall be used to indicate that the specified component was not detected. The value associated with the qualifier shall be the laboratory method detection limit. Unless requested by the client, less than the method detection limit values shall not be reported (see "T" above).

V Indicates that the analyte was detected in both the sample and the associated method blank. Note: the value in the blank shall not be subtracted from associated samples.

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5757 NW 158th St, Miami Lakes, FL 33014	(305) 823-8500	(305) 823-8555

Flagging Criteria

Y The laboratory analysis was from an unpreserved or improperly preserved sample. The data may not be accurate.

Z Too many colonies were present (TNTC); the numeric value represents the filtration volume.

? Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.

* Not reported due to interference.

The following codes deal with certain aspects of field activities. The codes shall be used if the laboratory has knowledge of the specific sampling event. The codes shall be added by the organization collecting samples if they apply:

D The sample result was reported from a dilution.

E Indicates that extra samples were taken at composite stations.

R Significant rain in the past 48 hours. (Significant rain typically involves rain in excess of 1/2 inch within the past 48 hours.) This code shall be used when the rainfall might contribute to a lower than normal value.

! Data deviate from historically established concentration ranges.

	Phone	Fax
11381 Meadowglen Lane Suite L Houston, Tx 77082-2647	(281) 589-0692	(281) 589-0695
11078 Morrison Rd., Suite D, Dallas, TX 75229	(972) 481-9999	(972) 481-9998
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XENCO Florida Testing Services LLC

☐ 10200 USA Today Way, Miramar, FL 33025 954-431-4550
☐ 2505 Falkenburg Rd, Tampa, Fl 33569 813-620-2000
☐ 6017 Financial Drive, Norcross, Georgia 30071 770-449-8800
☐ Philadephia/New Jersey 610-955-5649
☐ South Carolina 803-543-8099 ☐ Other

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 252076 Page of

Company-City: EBS ENGINEERING
Phone:
Lab Only: 338771
Proj Name-Location: 1375 NW 36th St / 1390 NW 37th St ☐ Previously done at XENCO
Project ID: MONITORING
TAT: ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d Standard TAT is project specific. It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.
Proj State: AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, TX, UT Other
Proj. Manager (PM): FRANK GOMEZ
e-Mail Results to ☐ PM or
Fax No:
Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O
Bill to:
Quote/Pricing:
P.O No:
☐ Call for P.O.
Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW GA HSRA
QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:
Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)
Sampler Name: ALBERTO POZO
Signature:

	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOCs PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	FL PRO DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	Used Oil Grease	TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed	Addn:
1	MW-1	07/23/09	12:24		W		X	6	0	0	U										X					
2	MW-2	↓	13:17		↓		↓	↓	↓	↓	↓										↓					
3	MW-3		13:59																							
4	MW-4		14:43																							
5																										
6																										
7																										
8																										
9																										
10																										

Remarks

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1)	07/23/09 16:05	2)	7/23/09 1605
3)		4)	
5)		6)	

Total Containers per COC: Cooler Temp: 4.0°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____

Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ **Cont. Type:** Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)

Matrix: Air (A), Product (P), Solid(S), Water (W), Liquid (L)

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Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

EBS ENGINEERING, INC.

APPENDIX C

GROUNDWATER SAMPLING WORKSHEETS

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Residence		SITE LOCATION: 1390 N 37th St Miami FL	
WELL NO: MW-4	SAMPLE ID: MW-4		DATE: 07/23/09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.50	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.00 feet – 10.50 [3.50] feet) X .16 gallons/foot = 0.56 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.0	PURGING INITIATED AT: 14:07	PURGING ENDED AT: 14:33	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:11	1.0	1.0	0.25	10.51	7.52	27.89	548	0.39	196	Milky Clear	None
14:15	↓	2.0	0.25	10.53	7.50	↓	550	0.31	112	↓	↓
14:20	↓	3.0	0.20	10.54	↓	27.92	553	0.29	90.8	↓	↓
14:26	↓	4.0	↓	↓	↓	27.91	551	0.27	73.2	↓	↓
14:33	↓	5.0	0.17	↓	7.51	↓	554	0.25	61.8	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Pozo / Xenco Labs	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 14:35	SAMPLING ENDED AT: 14:45
PUMP OR TUBING DEPTH IN WELL (feet): 11.0	SAMPLE PUMP FLOW RATE (mL per minute): 799.85	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-4	2	AG	40mL	HCL	N/A	<2.0	VOA	RFPP
↓	2	↓	2L	H_2SO_4	↓	↓	FL-PRO	PP
↓	↓	↓	↓	UNP	↓	7.51	8270	↓
↓	↓	↓	↓	↓	↓	↓	8082	↓
↓	↓	PE	500mL	HNO_3	↓	<2.0	METALS	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: AUTO TAG AGENCY	SITE LOCATION: 1375 NW 36th Miami FL	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 07/23/07

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.74	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.00 feet – 10.74 [3.26] feet) X .16 gallons/foot = 0.52 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	PURGING INITIATED AT: 13:32	PURGING ENDED AT: 13:51	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:26	1.0	1.0	0.25	10.75	7.96	28.40	217	0.34	1000	Milky	None
13:31	↓	2.0	0.20	10.76	7.95	28.45	220	0.30	" "	↓	↓
13:37	↓	3.0	0.17	↓	7.96	↓	↓	0.31	788	↓	↓
13:43	↓	4.0	0.14	↓	7.95	28.43	218	0.20	601	↓	↓
13:51	↓	5.0	0.12	↓	↓	↓	215	0.17	453	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Pozo / Xenco Labs	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 13:52	SAMPLING ENDED AT: 13:59
PUMP OR TUBING DEPTH IN WELL (feet): 11.5	SAMPLE PUMP FLOW RATE (mL per minute): 605.60	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-3	2	AG	40mL	HCL	N/A	<2.0	VOA	RFPP
↓	1	↓	1L	H_2SO_4	↓	↓	FL-PRO	PP
↓	↓	↓	↓	UNP	↓	7.95	8270	↓
↓	↓	↓	↓	↓	↓	↓	8082	↓
↓	↓	PE	500mL	HNO_3	↓	<2.0	METALS	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: AUTO TAG AGENCY	SITE LOCATION: 1375 ~~SW~~ N 36 ST. MIAMI, FL
WELL NO: MW-2 / SAMPLE ID: MW-2	DATE: 07/23/09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.70	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.00 feet – 10.70 [3.30] feet) X .16 gallons/foot = 0.53 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	PURGING INITIATED AT: 12:37	PURGING ENDED AT: 13:08	TOTAL VOLUME PURGED (gallons): 5.0

TIME	~~CUMUL. VOLUME~~ ACCUM PURGED (gallons)	VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:36	1.0	1.0	0.70	10.72	7.88	30.35	290	0.30	590	Milky	None
12:42	2.0	1.0	0.17	10.74	7.90	30.34	296	0.20	469	1	↓
12:49	3.0	1.0	0.14	10.78	7.88	30.33	301	0.15	342	Clearing up	↓
12:57	4.0	1.0	0.12	↓	↓	30.01	↓	0.17	227	↓	↓
13:08	5.0	1.0	0.11	10.79	7.80	29.92	↓	0.20	155	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Pozo / Xenco Labs	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 13:10	SAMPLING ENDED AT: 13:17
PUMP OR TUBING DEPTH IN WELL (feet): 11.5	SAMPLE PUMP FLOW RATE (mL per minute): 567.75	TUBING MATERIAL CODE: TF	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-7	2	AG	40mL	HCL	N/A	<2.0	VOA	RFPP
↓	1	↓	1L	~~HNO3~~ H_2SO_4	↓	↓	FL-PRO	↓
↓	↓	↓	↓	COP	↓	7.86	8270	↓
↓	↓	↓	↓	↓	↓	↓	8082	↓
↓	↓	PE	500mL	HNO_3	↓	<2.0	METALS	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Auto Tag Agency	SITE LOCATION: 1375 NW 36 ST Miami, FL	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 07/23/09

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 10.73	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.00 feet – 10.73 (3.27) feet) X .16 gallons/foot = 0.52 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 11.5	PURGING INITIATED AT: 11:35	PURGING ENDED AT: 12:13	TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs) MORE THAN	COLOR (describe)	ODOR (describe)
11:40	1.0	1.0	0.20	10.79	7.50	28.63	463	0.15	1000	Milky	None
11:47	1.0	2.0	0.14	10.77	7.51	↓	468	↓	696	↓	↓
11:54	1.0	3.0	0.12	10.80	↓	28.64	↓	0.12	674		
12:04	1.0	4.0	0.10	10.82	7.51	28.62	469	0.09	572		
12:13	1.0	5.0	↓	10.85	↓	↓	↓	0.08	510	↓	↓

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Pozo / Xenco Labs	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 12:15	SAMPLING ENDED AT: 12:24
PUMP OR TUBING DEPTH IN WELL (feet): 11.5	SAMPLE PUMP FLOW RATE (mL per minute): 492.05	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		
MW-1	2	AG	40mL	HCL	N/A	<2.0	VOA	RFPP
↓	1	↓	1L	H_2SO_4	↓	↓	FL-PRO	PP
↓	↓	↓	↓	UNP	↓	7.51	8270	↓
↓	↓	↓	↓	↓	↓	↓	8082	↓
↓	↓	PE	500mL	HNO_3	↓	<2.0	METALS	↓

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)