

2010

ABC 13 Gulf Water Analysis Report of Findings



For: Channel 13 KTRK
3310 Bissonnet
Houston, TX 77005



723 Main Street, Ste. 408
Houston, TX 77002
(832) 422-2425
www.EcoServeCorp.com

July, 29, 2010

From the end of June 2010, through the middle of July 2010, a surface water sampling project was conducted by Channel 13 KTRK with the assistance of EcoServe Environmental Consulting Corp. These samples were collected to determine if there is a presence of "oil" in the surface water near the shoreline along the gulf coast, in the Gulf of Mexico, that may be related to the deep water horizon oil spill event. The first sample taken, June 28, 2010, was a grab sample collected at East Beach in Galveston. Also on June 28, 2010, a composite sample was taken from surface water at Stewart Beach and Paretto Beach, Galveston, TX. On July 2, 2010 a grab sample was collected of surface water at Pensacola, FL and Gulf Shores, AL along the Gulf of Mexico shoreline. On July 14, 2010 another composite sample from East Beach, Paretto Beach and 51st Beach, Galveston, TX was collected after there were reports of tar balls washing up on some Galveston Beaches. These samples were analyzed for Biochemical Oxygen Demand, Carbonaceous Biochemical Oxygen Demand, Chemical Oxygen Demand, Ignitability, Oil and Grease, pH, Semi-Volatile Organic Compounds, Total Petroleum Hydrocarbons, and Volatile Organic Compounds. These analyses will determine if there are significant amounts of "oil" or Petroleum Hydrocarbons present in the surface water in the surface water along the shoreline.

Biochemical Oxygen Demand (BOD) is a measure of the amount of oxygen consumed by organisms while breaking down organic materials, including petroleum hydrocarbons, present in the water (algae, seaweed, dead organisms, oil, etc.). A high BOD implies there are low amounts of oxygen in the water which puts stress on aquatic animals and plants and can result in death or fish kills. Testing for BOD measures the oxidation of all organic carbon, ammonia, and inorganic compounds such as iron and sulfur. BOD is typically divided into two parts- Carbonaceous Biochemical Oxygen Demand (CBOD) and Nitrogenous Oxygen Demand. CBOD is the result of the breakdown of hydrocarbons and organic molecules such as cellulose and sugars into carbon dioxide and water. Nitrogenous Oxygen Demand is the result of the breakdown of proteins. As seen in most lab reports, CBOD will always be lower than BOD since it is a constituent of BOD. Nitrogenous Oxygen Demand was not tested for but can be calculated by subtracting the CBOD from the BOD.

Chemical Oxygen Demand (COD) is essentially the same as BOD, except it uses chemicals instead of microorganisms to oxidize carbon in the sample. COD is so much higher because the chemicals will oxidize all organic material present in a sample while the microorganisms in the BOD test are susceptible to pH, temperature, salinity and other variables in the water.

Total Organic Carbon (TOC) is the measure of all organic carbon in a sample, but this specific test was not performed on the samples collected. However, Total Petroleum Hydrocarbons (TPH) was tested for

and results returned not detected (ND). ND means that levels were below the reporting limit. The reporting limit is the lowest detectable amount the laboratory is capable of detecting the presence of a chemical through current laboratory analysis methods.

Grab samples collected at East Beach in Galveston, TX on June 28, 2010 were preserved and analyzed. Lab reports indicated a BOD of 2.15 mg/L, CBOD of 2.09 mg/L and a COD of 192 mg/L. The ignitability (temperature at which the sample ignites) was >212 °F, which is the boiling point of water. Oil and grease was ND (<5 mg/L), pH was 8.51 and the temperature of the sample was 20.6 °C*. All SVOCs, VOCs and TPH were reported as ND.

Lab reports for the composite samples collected at Stewart Beach and Porreto Beach in Galveston, TX on June 28, 2010 reported a BOD of 3.79 mg/L, CBOD of 2.48 mg/L and a COD of 289 mg/L. The ignitability of the sample was >212 °F, oil and grease was ND (<5 mg/L), pH was 8.49 and the temperature of the sample was 20.6 °C*. All SVOCs, VOCs and TPH tested for were ND.

Grab samples collected in Gulf Shores, AL on July 2, 2010 were preserved and analyzed. The lab report indicated a BOD of 3.38 mg/L, CBOD of 2.58 mg/L and a COD of 248 mg/L. The ignitability was >212 °F, oil and grease was ND (<5 mg/L), pH was 8.49 and the temperature of the water was 20.6 °C*. There were no detectable quantities any SVOCs, VOCs or TPH.

Lab reports for the grab samples collected in Pensacola, FL on July 2, 2010 reported a BOD of 2.04 mg/L, a CBOD of 2.03 mg/L and a COD of 70.9 mg/L. The ignitability of the sample was >212 °F, oil and grease was ND (<5 mg/L), pH was 8.46 and the temperature was 20.6 °C*. All SVOCs, VOCs and TPH were reported as ND.

The composite samples collected at East Beach, Poretto Beach, and 51st Beach in Galveston on July 14, 2010 were analyzed and lab results indicated that BOD and CBOD were both ND (<2 mg/L). COD was 233 mg/L and the ignitability was >212 °F. Oil and Grease was ND (<5mg/L), the pH was 8.28 and the temperature was 25.4 °C*. There were no detectable amounts of any SVOCs, VOCs or TPH

Because TPH was not detected, it is EcoServe Environmental Consulting Corp.'s professional opinion that all carbon oxidized in the BOD, CBOD, and COD tests were forms of organic carbon naturally present in the surface water near beaches and not associated with petroleum hydrocarbons. Other tests performed on the samples were tests for oil and grease which was not detected in all samples, ignitability which was >212 °F in all samples and can be considered normal because it is the boiling point of water. Volatile Organic Compounds (VOC) and Semi-Volatile Organic Compounds (SVOC), which test for organic chemical compounds that are constituents of oil and petroleum hydrocarbons, were also tested for. The results indicated ND for all chemicals, one chemical, 2-chloroethyl vinyl ether**, was reported as ND J. ND J means

the sample was estimated to be not detectable due to an error in sample preservation. This error could take place in the field, during transport, or at the laboratory itself.

According to many reporting agencies, the spill was not as far west at the Texas-Louisiana border, at the time these samples were taken. And while the plume may have reached Gulf Shores, AL and Pensacola, FL, the major concentration of the released oil has been reported to be one to two miles from most beaches.

After reviewing the laboratory results, it is EcoServe Environmental Consulting Corp.'s professional opinion that at the time of sampling, there was no presence of "oil" at the reporting limits in the surface water near the shoreline at sampled beaches along the gulf coast, in the Gulf of Mexico, that may be related to the deep water horizon oil spill event or any other petroleum releases.

	BOD (mg/L)	CBOD (mg/L)	COD (mg/L)	Ignitability (°F)	Oil and Grease (mg/L)	pH	Temperature* (°C)	VOCs (µg/L)	TPH (µg/L)	SVOCS (µg/L)
East Beach, Galveston, TX	2.15	2.09	192	>212	ND	8.51	20.6	ND	ND	ND
Stewart Beach and Paretto Beach, Galveston, TX	3.79	2.48	289	>212	ND	8.49	20.6	ND	ND	ND
Gulf Shores, AL	3.38	2.58	248	>212	ND	8.49	20.6	ND	ND	ND
Pensacola, FL	2.04	2.03	70.9	>212	ND	8.46	20.6	ND	ND	ND
East Beach, Paretto Beach and 51 st Beach, Galveston, TX	ND	ND	233	>212	ND	8.28	25.4	ND	ND	ND

*This temperature is the temperature of the sample when it was delivered to the laboratory for testing in a cooler of ice and should not be used as the actual water temperature of the specified beach.

**2-Chloroethyl vinyl ether was reported at ND J, which means it could not be accurately tested due to an error in the sample preservation of the sample and was estimated to be ND.



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

Certificate of Analysis Number:

10060878

Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street Houston Texas 77005- ph: (713) 578-2900 fax:	Project Name: ABC 13 Gulf Water Analysis Site: Galveston, TX Site Address: PO Number: State: Texas State Cert. No.: T104704205-10-4 Date Reported: 7/13/2010
--	---

This Report Contains A Total Of 48 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

7/13/2010

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Case Narrative for:
ABC 13

Certificate of Analysis Number:
10060878

<p>Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street</p> <p>Houston Texas 77005- ph: (713) 578-2900 fax:</p>	<p>Project Name: ABC 13 Gulf Water Analysis</p> <p>Site: Galveston, TX</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: Texas</p> <p>State Cert. No.: T104704205-10-4</p> <p>Date Reported: 7/13/2010</p>
---	--

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSIS AND EXCEPTIONS:

SW8260B Volatile Organics:

The results for 2-chloroethyl vinyl ether are estimated due to sample preservation. The result for this compound is reported as "ND J" for all samples in the report.

For QC Batch ID: R304372, trans-1,4-Dichloro-2-Butene and 2-Nitropropane were above the upper control limit in the LCS indicating a possible high bias; however, this compound was not detected in these samples and therefore data is acceptable.

For QC Batch ID: R304372, the project samples were not randomly selected for use in SPL's quality control program; therefore, this sample matrix is not applicable to your project samples.

SW8270C Semivolatile Organics:

For QC Batch 100698, a matrix spike and matrix spike duplicate was not extracted in the analytical batch due to insufficient sample volume. A laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) were extracted with the batch and serve as batch quality control (QC). The LCS and LCSD recovered acceptably and precision criteria was met.

TX1005 TPH:

For TX1005 TPH QC Batch ID: 100762, client sample ID "GLV1" (SPL ID:10060878-01) was selected for use in SPL's quality control program as the Matrix Spike/Matrix Spike Duplicate (MS/MSD). The %RPD for the MS and MSD recovered outside control limits. Recovery for MS and MSD was within control limits.

EPA1664 Oil & Grease:

No exceptions noted.

Wet Chemistry:

The holding time for pH is immediate and should be performed at the time of sampling. Client is aware of the holding time, SPL performed the analysis as soon as possible after the sample receipt.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or "

10060878 Page 1

7/13/2010

Sonia West
 Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
ABC 13

Certificate of Analysis Number:
10060878

ug/kg-dry ").

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

10060878 Page 2

7/13/2010

Sonia West
Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC 13

Certificate of Analysis Number:

10060878

Report To: ABC 13
 Justin Sternberg
 3310 Bissonnet Street

Houston
 Texas
 77005-
 ph: (713) 578-2900 fax:

Fax To:

Project Name: ABC 13 Gulf Water Analysis

Site: Galveston, TX

Site Address:

PO Number:

State: Texas

State Cert. No.: T104704205-10-4

Date Reported: 7/13/2010

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
GLV1	10060878-01	Water	06/28/2010 11:01	6/28/2010 1:54:00 PM	287545	<input type="checkbox"/>
GLV2	10060878-02	Water	06/28/2010 11:50	6/28/2010 1:54:00 PM	287546	<input type="checkbox"/>

Sonia West

Sonia West
 Senior Project Manager

7/13/2010

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
 Laboratory Director

Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GLV1 Collected: 06/28/2010 11:01 SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BIOCHEMICAL OXYGEN DEMAND - 5 DAYS				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand	2.15		2	1	06/28/10 16:00	PAC	5530970
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND - 5 DAY				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand, Carbonaceous	2.09		2	1	06/28/10 16:00	PAC	5530977
CHEMICAL OXYGEN DEMAND				MCL	SM5220 C	Units: mg/L	
Chemical Oxygen Demand	192		12	4	06/29/10 11:30	PAC	5527045
IGNITABILITY				MCL	SW1010A	Units: °F	
Ignitability	>212		70	1	06/29/10 14:30	EB1	5527277
OIL AND GREASE BY METHOD 1664				MCL	1664A	Units: mg/L	
Oil and Grease	ND		5	1	07/09/10 15:10	EAG	5535730

Prep Method	Prep Date	Prep Initials	Prep Factor
	07/09/2010 11:45		1.00

PH - WATER				MCL	SW9040C	Units: pH Units	
pH	8.51		0.1	1	06/28/10 15:30	PAC	5526245
Temperature (oC)	20.6		0.1	1	06/28/10 15:30	PAC	5526245

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1,2,4,5-Tetrachlorobenzene	ND		10	1	07/02/10 13:14	S_G	5532086
1,2,4-Trichlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
1,2-Dichlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
1,2-Diphenylhydrazine	ND		10	1	07/02/10 13:14	S_G	5532086
1,3,5-Trinitrobenzene	ND		10	1	07/02/10 13:14	S_G	5532086
1,3-Dichlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
1,3-Dinitrobenzene	ND		10	1	07/02/10 13:14	S_G	5532086
1,4-Dichlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
1,4-Napthoquinone	ND		50	1	07/02/10 13:14	S_G	5532086
1-Chloronaphthalene	ND		5	1	07/02/10 13:14	S_G	5532086
1-Methylnaphthalene	ND		5	1	07/02/10 13:14	S_G	5532086
1-Naphthylamine	ND		5	1	07/02/10 13:14	S_G	5532086
2,3,4,6-Tetrachlorophenol	ND		10	1	07/02/10 13:14	S_G	5532086
2,4,5-Trichlorophenol	ND		10	1	07/02/10 13:14	S_G	5532086
2,4,6-Trichlorophenol	ND		5	1	07/02/10 13:14	S_G	5532086
2,4-Dichlorophenol	ND		5	1	07/02/10 13:14	S_G	5532086
2,4-Dimethylphenol	ND		5	1	07/02/10 13:14	S_G	5532086
2,4-Dinitrophenol	ND		25	1	07/02/10 13:14	S_G	5532086
2,4-Dinitrotoluene	ND		5	1	07/02/10 13:14	S_G	5532086
2,6-Dichlorophenol	ND		50	1	07/02/10 13:14	S_G	5532086
2,6-Dimethylphenol	ND		5	1	07/02/10 13:14	S_G	5532086
2,6-Dinitrotoluene	ND		5	1	07/02/10 13:14	S_G	5532086
2-Acetylaminofluorene	ND		10	1	07/02/10 13:14	S_G	5532086
2-Chloronaphthalene	ND		5	1	07/02/10 13:14	S_G	5532086
2-Chlorophenol	ND		5	1	07/02/10 13:14	S_G	5532086
2-Methylnaphthalene	ND		5	1	07/02/10 13:14	S_G	5532086
2-Naphthylamine	ND		5	1	07/02/10 13:14	S_G	5532086
2-Nitroaniline	ND		25	1	07/02/10 13:14	S_G	5532086
2-Nitrophenol	ND		5	1	07/02/10 13:14	S_G	5532086
2-Picoline	ND		5	1	07/02/10 13:14	S_G	5532086
2-Toluidine	ND		25	1	07/02/10 13:14	S_G	5532086
3,3'-Dichlorobenzidine	ND		10	1	07/02/10 13:14	S_G	5532086
3,3'-Dimethylbenzidine	ND		25	1	07/02/10 13:14	S_G	5532086
3-Methylcholanthrene	ND		5	1	07/02/10 13:14	S_G	5532086
3-Nitroaniline	ND		25	1	07/02/10 13:14	S_G	5532086
4,6-Dinitro-2-methylphenol	ND		25	1	07/02/10 13:14	S_G	5532086
4-Aminobiphenyl	ND		5	1	07/02/10 13:14	S_G	5532086
4-Bromophenyl phenyl ether	ND		5	1	07/02/10 13:14	S_G	5532086
4-Chloro-3-methylphenol	ND		5	1	07/02/10 13:14	S_G	5532086

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
4-Chloroaniline	ND		5	1	07/02/10 13:14	S_G	5532086
4-Chlorophenyl phenyl ether	ND		5	1	07/02/10 13:14	S_G	5532086
4-Nitroaniline	ND		25	1	07/02/10 13:14	S_G	5532086
4-Nitrophenol	ND		25	1	07/02/10 13:14	S_G	5532086
4-Nitroquinoline-1-oxide	ND		10	1	07/02/10 13:14	S_G	5532086
5-Nitro-o-toluidine	ND		5	1	07/02/10 13:14	S_G	5532086
7,12-Dimethylbenz(a)anthracene	ND		5	1	07/02/10 13:14	S_G	5532086
Acenaphthene	ND		5	1	07/02/10 13:14	S_G	5532086
Acenaphthylene	ND		5	1	07/02/10 13:14	S_G	5532086
Acetophenone	ND		5	1	07/02/10 13:14	S_G	5532086
Aniline	ND		5	1	07/02/10 13:14	S_G	5532086
Anthracene	ND		5	1	07/02/10 13:14	S_G	5532086
Aramite	ND		50	1	07/02/10 13:14	S_G	5532086
Benz(a)anthracene	ND		5	1	07/02/10 13:14	S_G	5532086
Benzidine	ND		20	1	07/02/10 13:14	S_G	5532086
Benzo(a)pyrene	ND		5	1	07/02/10 13:14	S_G	5532086
Benzo(b)fluoranthene	ND		5	1	07/02/10 13:14	S_G	5532086
Benzo(g,h,i)perylene	ND		5	1	07/02/10 13:14	S_G	5532086
Benzo(k)fluoranthene	ND		5	1	07/02/10 13:14	S_G	5532086
Benzoic acid	ND		25	1	07/02/10 13:14	S_G	5532086
Benzyl alcohol	ND		5	1	07/02/10 13:14	S_G	5532086
Biphenyl	ND		50	1	07/02/10 13:14	S_G	5532086
Bis(2-chloroethoxy)methane	ND		5	1	07/02/10 13:14	S_G	5532086
Bis(2-chloroethyl)ether	ND		5	1	07/02/10 13:14	S_G	5532086
Bis(2-chloroisopropyl)ether	ND		5	1	07/02/10 13:14	S_G	5532086
Bis(2-ethylhexyl)phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Butyl benzyl phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Caprolactam	ND		50	1	07/02/10 13:14	S_G	5532086
Carbazole	ND		5	1	07/02/10 13:14	S_G	5532086
Chlorobenzilate	ND		25	1	07/02/10 13:14	S_G	5532086
Chrysene	ND		5	1	07/02/10 13:14	S_G	5532086
Dibenz(a,h)acridine	ND		25	1	07/02/10 13:14	S_G	5532086
Dibenz(a,h)anthracene	ND		5	1	07/02/10 13:14	S_G	5532086
Dibenz(a,i)acridine	ND		5	1	07/02/10 13:14	S_G	5532086
Dibenzofuran	ND		5	1	07/02/10 13:14	S_G	5532086
Diethyl phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Dimethyl phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Di-n-butyl phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Di-n-octyl phthalate	ND		5	1	07/02/10 13:14	S_G	5532086
Dinoseb	ND		10	1	07/02/10 13:14	S_G	5532086

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Diphenyl oxide	ND		20	1	07/02/10 13:14	S_G	5532086
Diphenylamine	ND		10	1	07/02/10 13:14	S_G	5532086
Ethyl methanesulfonate	ND		10	1	07/02/10 13:14	S_G	5532086
Fluoranthene	ND		5	1	07/02/10 13:14	S_G	5532086
Fluorene	ND		5	1	07/02/10 13:14	S_G	5532086
Hexachlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
Hexachlorobutadiene	ND		5	1	07/02/10 13:14	S_G	5532086
Hexachlorocyclopentadiene	ND		5	1	07/02/10 13:14	S_G	5532086
Hexachloroethane	ND		5	1	07/02/10 13:14	S_G	5532086
Hexachloropropene	ND		5	1	07/02/10 13:14	S_G	5532086
Indeno(1,2,3-cd)pyrene	ND		5	1	07/02/10 13:14	S_G	5532086
Isodrin	ND		5	1	07/02/10 13:14	S_G	5532086
Isophorone	ND		5	1	07/02/10 13:14	S_G	5532086
Isosafrole	ND		10	1	07/02/10 13:14	S_G	5532086
Methapyrilene	ND		5	1	07/02/10 13:14	S_G	5532086
Methyl methanesulfonate	ND		10	1	07/02/10 13:14	S_G	5532086
Methylchrysene	ND		50	1	07/02/10 13:14	S_G	5532086
Naphthalene	ND		5	1	07/02/10 13:14	S_G	5532086
Nitrobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosodiethylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosodimethylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitroso-di-n-butylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosodi-n-propylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosodiphenylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosomethylethylamine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosomorpholine	ND		25	1	07/02/10 13:14	S_G	5532086
N-Nitrosopiperidine	ND		5	1	07/02/10 13:14	S_G	5532086
N-Nitrosopyrrolidine	ND		5	1	07/02/10 13:14	S_G	5532086
Octachlorostyrene	ND		5	1	07/02/10 13:14	S_G	5532086
p-Dimethylaminoazobenzene	ND		25	1	07/02/10 13:14	S_G	5532086
Pentachlorobenzene	ND		5	1	07/02/10 13:14	S_G	5532086
Pentachloroethane	ND		10	1	07/02/10 13:14	S_G	5532086
Pentachloronitrobenzene	ND		10	1	07/02/10 13:14	S_G	5532086
Pentachlorophenol	ND		25	1	07/02/10 13:14	S_G	5532086
Phenacetin	ND		5	1	07/02/10 13:14	S_G	5532086
Phenanthrene	ND		5	1	07/02/10 13:14	S_G	5532086
Phenol	ND		5	1	07/02/10 13:14	S_G	5532086
p-Phenylenediamine	ND		50	1	07/02/10 13:14	S_G	5532086
Pronamide	ND		10	1	07/02/10 13:14	S_G	5532086
Pyrene	ND		5	1	07/02/10 13:14	S_G	5532086

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Pyridine	ND		5	1	07/02/10 13:14	S_G	5532086
Quinoline	ND		50	1	07/02/10 13:14	S_G	5532086
Safrole	ND		5	1	07/02/10 13:14	S_G	5532086
2-Methylphenol	ND		5	1	07/02/10 13:14	S_G	5532086
3 & 4-Methylphenol	ND		5	1	07/02/10 13:14	S_G	5532086
Cresols, Total	ND		5	1	07/02/10 13:14	S_G	5532086
Surr: 2,4,6-Tribromophenol	90.8		% 25-154	1	07/02/10 13:14	S_G	5532086
Surr: 2-Fluorobiphenyl	81.8		% 45-108	1	07/02/10 13:14	S_G	5532086
Surr: 2-Fluorophenol	72.9		% 18-113	1	07/02/10 13:14	S_G	5532086
Surr: Nitrobenzene-d5	83.6		% 41-113	1	07/02/10 13:14	S_G	5532086
Surr: Phenol-d5	58.1		% 10-113	1	07/02/10 13:14	S_G	5532086
Surr: Terphenyl-d14	90.0		% 43-122	1	07/02/10 13:14	S_G	5532086

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/30/2010 11:29	N_M	1.00

TPH TEXAS 1005		MCL	TX1005	Units: mg/L
C6-C12	ND	5	1	07/03/10 6:29 NW 5531630
>C12-C28	ND	5	1	07/03/10 6:29 NW 5531630
>C28-C35	ND	5	1	07/03/10 6:29 NW 5531630
Total TPH (C6-C35)	ND	5	1	07/03/10 6:29 NW 5531630
Surr: 1-Chlorooctane	101	% 70-130	1	07/03/10 6:29 NW 5531630
Surr: o-Terphenyl	93.7	% 70-130	1	07/03/10 6:29 NW 5531630

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	07/02/2010 11:26	LSB	1.00

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1,1-Trichloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1,2,2-Tetrachloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1,2-Trichloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1-Dichloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1-Dichloroethene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,1-Dichloropropene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2,3-Trichlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2,3-Trichloropropane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2,4-Trichlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2,4-Trimethylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2-Dibromo-3-chloropropane	ND		5	1	07/08/10 14:36	LU_L	5535244
1,2-Dibromoethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2-Dichlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2-Dichloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2-Dichloropropane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,3,5-Trimethylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,3-Butadiene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,3-Dichlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,3-Dichloropropane	ND		1	1	07/08/10 14:36	LU_L	5535244
1,4-Dichlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,4-Dioxane	ND		50	1	07/08/10 14:36	LU_L	5535244
2,2,4-Trimethylpentane	ND		1	1	07/08/10 14:36	LU_L	5535244
2,2-Dichloropropane	ND		1	1	07/08/10 14:36	LU_L	5535244
2-Butanone	ND		12	1	07/08/10 14:36	LU_L	5535244
2-Chloroethyl vinyl ether	ND J		5	1	07/08/10 14:36	LU_L	5535244
2-Chlorotoluene	ND		1	1	07/08/10 14:36	LU_L	5535244
2-Hexanone	ND		12	1	07/08/10 14:36	LU_L	5535244
2-Nitropropane	ND		5	1	07/08/10 14:36	LU_L	5535244
4-Chlorotoluene	ND		1	1	07/08/10 14:36	LU_L	5535244
4-Isopropyltoluene	ND		1	1	07/08/10 14:36	LU_L	5535244
4-Methyl-2-pentanone	ND		12	1	07/08/10 14:36	LU_L	5535244
Acetone	ND		12	1	07/08/10 14:36	LU_L	5535244
Acetonitrile	ND		25	1	07/08/10 14:36	LU_L	5535244
Acrylonitrile	ND		5	1	07/08/10 14:36	LU_L	5535244
Allyl chloride	ND		1	1	07/08/10 14:36	LU_L	5535244
alpha-Methylstyrene	ND		1	1	07/08/10 14:36	LU_L	5535244
Benzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Benzyl chloride	ND		5	1	07/08/10 14:36	LU_L	5535244

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bromobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Bromochloromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Bromodichloromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Bromoform	ND		1	1	07/08/10 14:36	LU_L	5535244
Bromomethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Butyl Acetate	ND		1	1	07/08/10 14:36	LU_L	5535244
Carbon disulfide	ND		5	1	07/08/10 14:36	LU_L	5535244
Carbon tetrachloride	ND		1	1	07/08/10 14:36	LU_L	5535244
Chlorobenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Chloroethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Chloroform	ND		1	1	07/08/10 14:36	LU_L	5535244
Chloromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Chloroprene	ND		1	1	07/08/10 14:36	LU_L	5535244
Crotonaldehyde	ND		25	1	07/08/10 14:36	LU_L	5535244
Cyclohexane	ND		1	1	07/08/10 14:36	LU_L	5535244
Cyclohexanone	ND		25	1	07/08/10 14:36	LU_L	5535244
Dibromochloromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Dibromomethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Dichlorodifluoromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Dicyclopentadiene	ND		1	1	07/08/10 14:36	LU_L	5535244
Diisopropyl Ether	ND		1	1	07/08/10 14:36	LU_L	5535244
Epichlorohydrin	ND		25	1	07/08/10 14:36	LU_L	5535244
Ethyl Acetate	ND		5	1	07/08/10 14:36	LU_L	5535244
Ethyl Cyanide	ND		5	1	07/08/10 14:36	LU_L	5535244
Ethyl Ether	ND		1	1	07/08/10 14:36	LU_L	5535244
Ethyl methacrylate	ND		1	1	07/08/10 14:36	LU_L	5535244
Ethylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Ethylene oxide	ND		25	1	07/08/10 14:36	LU_L	5535244
Freon-113	ND		5	1	07/08/10 14:36	LU_L	5535244
Hexachlorobutadiene	ND		1	1	07/08/10 14:36	LU_L	5535244
Hexane	ND		1	1	07/08/10 14:36	LU_L	5535244
Iodomethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Isobutyl alcohol	ND		50	1	07/08/10 14:36	LU_L	5535244
Isopropylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Methacrylonitrile	ND		1	1	07/08/10 14:36	LU_L	5535244
Methyl acetate	ND		5	1	07/08/10 14:36	LU_L	5535244
Methyl methacrylate	ND		1	1	07/08/10 14:36	LU_L	5535244
Methyl tert-butyl ether	ND		1	1	07/08/10 14:36	LU_L	5535244
Methylcyclohexane	ND		1	1	07/08/10 14:36	LU_L	5535244
Methylene chloride	ND		1	1	07/08/10 14:36	LU_L	5535244

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV1

Collected: 06/28/2010 11:01

SPL Sample ID: 10060878-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Naphthalene	ND		1	1	07/08/10 14:36	LU_L	5535244
n-Butylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
n-Propylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
p-Diethylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
sec-Butylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Styrene	ND		1	1	07/08/10 14:36	LU_L	5535244
t-Butyl alcohol	ND		25	1	07/08/10 14:36	LU_L	5535244
tert-Amyl methyl ether	ND		1	1	07/08/10 14:36	LU_L	5535244
tert-Butyl ethyl ether	ND		1	1	07/08/10 14:36	LU_L	5535244
tert-Butylbenzene	ND		1	1	07/08/10 14:36	LU_L	5535244
Tetrachloroethene	ND		1	1	07/08/10 14:36	LU_L	5535244
Tetrahydrofuran	ND		1	1	07/08/10 14:36	LU_L	5535244
Toluene	ND		1	1	07/08/10 14:36	LU_L	5535244
trans-1,4-Dichloro-2-Butene	ND		25	1	07/08/10 14:36	LU_L	5535244
Trichloroethene	ND		1	1	07/08/10 14:36	LU_L	5535244
Trichlorofluoromethane	ND		1	1	07/08/10 14:36	LU_L	5535244
Vinyl acetate	ND		1	1	07/08/10 14:36	LU_L	5535244
Vinyl chloride	ND		1	1	07/08/10 14:36	LU_L	5535244
cis-1,2-Dichloroethene	ND		1	1	07/08/10 14:36	LU_L	5535244
cis-1,3-Dichloropropene	ND		1	1	07/08/10 14:36	LU_L	5535244
m,p-Xylene	ND		2	1	07/08/10 14:36	LU_L	5535244
o-Xylene	ND		1	1	07/08/10 14:36	LU_L	5535244
trans-1,2-Dichloroethene	ND		1	1	07/08/10 14:36	LU_L	5535244
trans-1,3-Dichloropropene	ND		1	1	07/08/10 14:36	LU_L	5535244
1,2-Dichloroethene (total)	ND		1	1	07/08/10 14:36	LU_L	5535244
Xylenes,Total	ND		1	1	07/08/10 14:36	LU_L	5535244
1,3-Dichloropropene, Total	ND		1	1	07/08/10 14:36	LU_L	5535244
Surr: 1,2-Dichloroethane-d4	90.8		% 70-130	1	07/08/10 14:36	LU_L	5535244
Surr: 4-Bromofluorobenzene	100		% 74-125	1	07/08/10 14:36	LU_L	5535244
Surr: Toluene-d8	96.2		% 82-118	1	07/08/10 14:36	LU_L	5535244

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BIOCHEMICAL OXYGEN DEMAND - 5 DAYS				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand	3.79		2	1	06/28/10 16:00	PAC	5530971
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND - 5 DAY				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand, Carbonaceous	2.48		2	1	06/28/10 16:00	PAC	5530978
CHEMICAL OXYGEN DEMAND				MCL	SM5220 C	Units: mg/L	
Chemical Oxygen Demand	289		6	2	06/29/10 11:30	PAC	5527046
IGNITABILITY				MCL	SW1010A	Units: °F	
Ignitability	>212		70	1	06/29/10 14:30	EB1	5527278
OIL AND GREASE BY METHOD 1664				MCL	1664A	Units: mg/L	
Oil and Grease	ND		5	1	07/09/10 15:10	EAG	5535731

Prep Method	Prep Date	Prep Initials	Prep Factor
	07/09/2010 11:45		1.00

PH - WATER				MCL	SW9040C	Units: pH Units	
pH	8.49		0.1	1	06/28/10 15:30	PAC	5526246
Temperature (oC)	20.6		0.1	1	06/28/10 15:30	PAC	5526246

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1,2,4,5-Tetrachlorobenzene	ND		10	1	07/02/10 13:50	S_G	5532087
1,2,4-Trichlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
1,2-Dichlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
1,2-Diphenylhydrazine	ND		10	1	07/02/10 13:50	S_G	5532087
1,3,5-Trinitrobenzene	ND		10	1	07/02/10 13:50	S_G	5532087
1,3-Dichlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
1,3-Dinitrobenzene	ND		10	1	07/02/10 13:50	S_G	5532087
1,4-Dichlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
1,4-Napthoquinone	ND		50	1	07/02/10 13:50	S_G	5532087
1-Chloronaphthalene	ND		5	1	07/02/10 13:50	S_G	5532087
1-Methylnaphthalene	ND		5	1	07/02/10 13:50	S_G	5532087
1-Naphthylamine	ND		5	1	07/02/10 13:50	S_G	5532087
2,3,4,6-Tetrachlorophenol	ND		10	1	07/02/10 13:50	S_G	5532087
2,4,5-Trichlorophenol	ND		10	1	07/02/10 13:50	S_G	5532087
2,4,6-Trichlorophenol	ND		5	1	07/02/10 13:50	S_G	5532087
2,4-Dichlorophenol	ND		5	1	07/02/10 13:50	S_G	5532087
2,4-Dimethylphenol	ND		5	1	07/02/10 13:50	S_G	5532087
2,4-Dinitrophenol	ND		25	1	07/02/10 13:50	S_G	5532087
2,4-Dinitrotoluene	ND		5	1	07/02/10 13:50	S_G	5532087
2,6-Dichlorophenol	ND		50	1	07/02/10 13:50	S_G	5532087
2,6-Dimethylphenol	ND		5	1	07/02/10 13:50	S_G	5532087
2,6-Dinitrotoluene	ND		5	1	07/02/10 13:50	S_G	5532087
2-Acetylaminofluorene	ND		10	1	07/02/10 13:50	S_G	5532087
2-Chloronaphthalene	ND		5	1	07/02/10 13:50	S_G	5532087
2-Chlorophenol	ND		5	1	07/02/10 13:50	S_G	5532087
2-Methylnaphthalene	ND		5	1	07/02/10 13:50	S_G	5532087
2-Naphthylamine	ND		5	1	07/02/10 13:50	S_G	5532087
2-Nitroaniline	ND		25	1	07/02/10 13:50	S_G	5532087
2-Nitrophenol	ND		5	1	07/02/10 13:50	S_G	5532087
2-Picoline	ND		5	1	07/02/10 13:50	S_G	5532087
2-Toluidine	ND		25	1	07/02/10 13:50	S_G	5532087
3,3'-Dichlorobenzidine	ND		10	1	07/02/10 13:50	S_G	5532087
3,3'-Dimethylbenzidine	ND		25	1	07/02/10 13:50	S_G	5532087
3-Methylcholanthrene	ND		5	1	07/02/10 13:50	S_G	5532087
3-Nitroaniline	ND		25	1	07/02/10 13:50	S_G	5532087
4,6-Dinitro-2-methylphenol	ND		25	1	07/02/10 13:50	S_G	5532087
4-Aminobiphenyl	ND		5	1	07/02/10 13:50	S_G	5532087
4-Bromophenyl phenyl ether	ND		5	1	07/02/10 13:50	S_G	5532087
4-Chloro-3-methylphenol	ND		5	1	07/02/10 13:50	S_G	5532087

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
4-Chloroaniline	ND		5	1	07/02/10 13:50	S_G	5532087
4-Chlorophenyl phenyl ether	ND		5	1	07/02/10 13:50	S_G	5532087
4-Nitroaniline	ND		25	1	07/02/10 13:50	S_G	5532087
4-Nitrophenol	ND		25	1	07/02/10 13:50	S_G	5532087
4-Nitroquinoline-1-oxide	ND		10	1	07/02/10 13:50	S_G	5532087
5-Nitro-o-toluidine	ND		5	1	07/02/10 13:50	S_G	5532087
7,12-Dimethylbenz(a)anthracene	ND		5	1	07/02/10 13:50	S_G	5532087
Acenaphthene	ND		5	1	07/02/10 13:50	S_G	5532087
Acenaphthylene	ND		5	1	07/02/10 13:50	S_G	5532087
Acetophenone	ND		5	1	07/02/10 13:50	S_G	5532087
Aniline	ND		5	1	07/02/10 13:50	S_G	5532087
Anthracene	ND		5	1	07/02/10 13:50	S_G	5532087
Aramite	ND		50	1	07/02/10 13:50	S_G	5532087
Benz(a)anthracene	ND		5	1	07/02/10 13:50	S_G	5532087
Benzidine	ND		20	1	07/02/10 13:50	S_G	5532087
Benzo(a)pyrene	ND		5	1	07/02/10 13:50	S_G	5532087
Benzo(b)fluoranthene	ND		5	1	07/02/10 13:50	S_G	5532087
Benzo(g,h,i)perylene	ND		5	1	07/02/10 13:50	S_G	5532087
Benzo(k)fluoranthene	ND		5	1	07/02/10 13:50	S_G	5532087
Benzoic acid	ND		25	1	07/02/10 13:50	S_G	5532087
Benzyl alcohol	ND		5	1	07/02/10 13:50	S_G	5532087
Biphenyl	ND		50	1	07/02/10 13:50	S_G	5532087
Bis(2-chloroethoxy)methane	ND		5	1	07/02/10 13:50	S_G	5532087
Bis(2-chloroethyl)ether	ND		5	1	07/02/10 13:50	S_G	5532087
Bis(2-chloroisopropyl)ether	ND		5	1	07/02/10 13:50	S_G	5532087
Bis(2-ethylhexyl)phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Butyl benzyl phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Caprolactam	ND		50	1	07/02/10 13:50	S_G	5532087
Carbazole	ND		5	1	07/02/10 13:50	S_G	5532087
Chlorobenzilate	ND		25	1	07/02/10 13:50	S_G	5532087
Chrysene	ND		5	1	07/02/10 13:50	S_G	5532087
Dibenz(a,h)acridine	ND		25	1	07/02/10 13:50	S_G	5532087
Dibenz(a,h)anthracene	ND		5	1	07/02/10 13:50	S_G	5532087
Dibenz(a,i)acridine	ND		5	1	07/02/10 13:50	S_G	5532087
Dibenzofuran	ND		5	1	07/02/10 13:50	S_G	5532087
Diethyl phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Dimethyl phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Di-n-butyl phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Di-n-octyl phthalate	ND		5	1	07/02/10 13:50	S_G	5532087
Dinoseb	ND		10	1	07/02/10 13:50	S_G	5532087

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Diphenyl oxide	ND		20	1	07/02/10 13:50	S_G	5532087
Diphenylamine	ND		10	1	07/02/10 13:50	S_G	5532087
Ethyl methanesulfonate	ND		10	1	07/02/10 13:50	S_G	5532087
Fluoranthene	ND		5	1	07/02/10 13:50	S_G	5532087
Fluorene	ND		5	1	07/02/10 13:50	S_G	5532087
Hexachlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
Hexachlorobutadiene	ND		5	1	07/02/10 13:50	S_G	5532087
Hexachlorocyclopentadiene	ND		5	1	07/02/10 13:50	S_G	5532087
Hexachloroethane	ND		5	1	07/02/10 13:50	S_G	5532087
Hexachloropropene	ND		5	1	07/02/10 13:50	S_G	5532087
Indeno(1,2,3-cd)pyrene	ND		5	1	07/02/10 13:50	S_G	5532087
Isodrin	ND		5	1	07/02/10 13:50	S_G	5532087
Isophorone	ND		5	1	07/02/10 13:50	S_G	5532087
Isosafrole	ND		10	1	07/02/10 13:50	S_G	5532087
Methapyrilene	ND		5	1	07/02/10 13:50	S_G	5532087
Methyl methanesulfonate	ND		10	1	07/02/10 13:50	S_G	5532087
Methylchrysene	ND		50	1	07/02/10 13:50	S_G	5532087
Naphthalene	ND		5	1	07/02/10 13:50	S_G	5532087
Nitrobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosodiethylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosodimethylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitroso-di-n-butylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosodi-n-propylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosodiphenylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosomethylethylamine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosomorpholine	ND		25	1	07/02/10 13:50	S_G	5532087
N-Nitrosopiperidine	ND		5	1	07/02/10 13:50	S_G	5532087
N-Nitrosopyrrolidine	ND		5	1	07/02/10 13:50	S_G	5532087
Octachlorostyrene	ND		5	1	07/02/10 13:50	S_G	5532087
p-Dimethylaminoazobenzene	ND		25	1	07/02/10 13:50	S_G	5532087
Pentachlorobenzene	ND		5	1	07/02/10 13:50	S_G	5532087
Pentachloroethane	ND		10	1	07/02/10 13:50	S_G	5532087
Pentachloronitrobenzene	ND		10	1	07/02/10 13:50	S_G	5532087
Pentachlorophenol	ND		25	1	07/02/10 13:50	S_G	5532087
Phenacetin	ND		5	1	07/02/10 13:50	S_G	5532087
Phenanthrene	ND		5	1	07/02/10 13:50	S_G	5532087
Phenol	ND		5	1	07/02/10 13:50	S_G	5532087
p-Phenylenediamine	ND		50	1	07/02/10 13:50	S_G	5532087
Pronamide	ND		10	1	07/02/10 13:50	S_G	5532087
Pyrene	ND		5	1	07/02/10 13:50	S_G	5532087

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Pyridine	ND		5	1	07/02/10 13:50	S_G	5532087
Quinoline	ND		50	1	07/02/10 13:50	S_G	5532087
Safrole	ND		5	1	07/02/10 13:50	S_G	5532087
2-Methylphenol	ND		5	1	07/02/10 13:50	S_G	5532087
3 & 4-Methylphenol	ND		5	1	07/02/10 13:50	S_G	5532087
Cresols, Total	ND		5	1	07/02/10 13:50	S_G	5532087
Surr: 2,4,6-Tribromophenol	85.2		% 25-154	1	07/02/10 13:50	S_G	5532087
Surr: 2-Fluorobiphenyl	80.8		% 45-108	1	07/02/10 13:50	S_G	5532087
Surr: 2-Fluorophenol	68.5		% 18-113	1	07/02/10 13:50	S_G	5532087
Surr: Nitrobenzene-d5	83.2		% 41-113	1	07/02/10 13:50	S_G	5532087
Surr: Phenol-d5	54.0		% 10-113	1	07/02/10 13:50	S_G	5532087
Surr: Terphenyl-d14	89.2		% 43-122	1	07/02/10 13:50	S_G	5532087

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	06/30/2010 11:29	N_M	1.00

TPH TEXAS 1005	MCL	TX1005	Units: mg/L
C6-C12	ND	4.9	1 07/03/10 7:04 NW 5531633
>C12-C28	ND	4.9	1 07/03/10 7:04 NW 5531633
>C28-C35	ND	4.9	1 07/03/10 7:04 NW 5531633
Total TPH (C6-C35)	ND	4.9	1 07/03/10 7:04 NW 5531633
Surr: 1-Chlorooctane	103	% 70-130	1 07/03/10 7:04 NW 5531633
Surr: o-Terphenyl	95.3	% 70-130	1 07/03/10 7:04 NW 5531633

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	07/02/2010 11:26	LSB	0.98

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1,1-Trichloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1,2,2-Tetrachloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1,2-Trichloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1-Dichloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1-Dichloroethene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,1-Dichloropropene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2,3-Trichlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2,3-Trichloropropane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2,4-Trichlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2,4-Trimethylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2-Dibromo-3-chloropropane	ND		5	1	07/08/10 15:02	LU_L	5535245
1,2-Dibromoethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2-Dichlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2-Dichloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2-Dichloropropane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,3,5-Trimethylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,3-Butadiene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,3-Dichlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,3-Dichloropropane	ND		1	1	07/08/10 15:02	LU_L	5535245
1,4-Dichlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,4-Dioxane	ND		50	1	07/08/10 15:02	LU_L	5535245
2,2,4-Trimethylpentane	ND		1	1	07/08/10 15:02	LU_L	5535245
2,2-Dichloropropane	ND		1	1	07/08/10 15:02	LU_L	5535245
2-Butanone	ND		12	1	07/08/10 15:02	LU_L	5535245
2-Chloroethyl vinyl ether	ND J		5	1	07/08/10 15:02	LU_L	5535245
2-Chlorotoluene	ND		1	1	07/08/10 15:02	LU_L	5535245
2-Hexanone	ND		12	1	07/08/10 15:02	LU_L	5535245
2-Nitropropane	ND		5	1	07/08/10 15:02	LU_L	5535245
4-Chlorotoluene	ND		1	1	07/08/10 15:02	LU_L	5535245
4-Isopropyltoluene	ND		1	1	07/08/10 15:02	LU_L	5535245
4-Methyl-2-pentanone	ND		12	1	07/08/10 15:02	LU_L	5535245
Acetone	ND		12	1	07/08/10 15:02	LU_L	5535245
Acetonitrile	ND		25	1	07/08/10 15:02	LU_L	5535245
Acrylonitrile	ND		5	1	07/08/10 15:02	LU_L	5535245
Allyl chloride	ND		1	1	07/08/10 15:02	LU_L	5535245
alpha-Methylstyrene	ND		1	1	07/08/10 15:02	LU_L	5535245
Benzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Benzyl chloride	ND		5	1	07/08/10 15:02	LU_L	5535245

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bromobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Bromochloromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Bromodichloromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Bromoform	ND		1	1	07/08/10 15:02	LU_L	5535245
Bromomethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Butyl Acetate	ND		1	1	07/08/10 15:02	LU_L	5535245
Carbon disulfide	ND		5	1	07/08/10 15:02	LU_L	5535245
Carbon tetrachloride	ND		1	1	07/08/10 15:02	LU_L	5535245
Chlorobenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Chloroethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Chloroform	ND		1	1	07/08/10 15:02	LU_L	5535245
Chloromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Chloroprene	ND		1	1	07/08/10 15:02	LU_L	5535245
Crotonaldehyde	ND		25	1	07/08/10 15:02	LU_L	5535245
Cyclohexane	ND		1	1	07/08/10 15:02	LU_L	5535245
Cyclohexanone	ND		25	1	07/08/10 15:02	LU_L	5535245
Dibromochloromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Dibromomethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Dichlorodifluoromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Dicyclopentadiene	ND		1	1	07/08/10 15:02	LU_L	5535245
Diisopropyl Ether	ND		1	1	07/08/10 15:02	LU_L	5535245
Epichlorohydrin	ND		25	1	07/08/10 15:02	LU_L	5535245
Ethyl Acetate	ND		5	1	07/08/10 15:02	LU_L	5535245
Ethyl Cyanide	ND		5	1	07/08/10 15:02	LU_L	5535245
Ethyl Ether	ND		1	1	07/08/10 15:02	LU_L	5535245
Ethyl methacrylate	ND		1	1	07/08/10 15:02	LU_L	5535245
Ethylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Ethylene oxide	ND		25	1	07/08/10 15:02	LU_L	5535245
Freon-113	ND		5	1	07/08/10 15:02	LU_L	5535245
Hexachlorobutadiene	ND		1	1	07/08/10 15:02	LU_L	5535245
Hexane	ND		1	1	07/08/10 15:02	LU_L	5535245
Iodomethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Isobutyl alcohol	ND		50	1	07/08/10 15:02	LU_L	5535245
Isopropylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Methacrylonitrile	ND		1	1	07/08/10 15:02	LU_L	5535245
Methyl acetate	ND		5	1	07/08/10 15:02	LU_L	5535245
Methyl methacrylate	ND		1	1	07/08/10 15:02	LU_L	5535245
Methyl tert-butyl ether	ND		1	1	07/08/10 15:02	LU_L	5535245
Methylcyclohexane	ND		1	1	07/08/10 15:02	LU_L	5535245
Methylene chloride	ND		1	1	07/08/10 15:02	LU_L	5535245

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV2

Collected: 06/28/2010 11:50

SPL Sample ID: 10060878-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Naphthalene	ND		1	1	07/08/10 15:02	LU_L	5535245
n-Butylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
n-Propylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
p-Diethylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
sec-Butylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Styrene	ND		1	1	07/08/10 15:02	LU_L	5535245
t-Butyl alcohol	ND		25	1	07/08/10 15:02	LU_L	5535245
tert-Amyl methyl ether	ND		1	1	07/08/10 15:02	LU_L	5535245
tert-Butyl ethyl ether	ND		1	1	07/08/10 15:02	LU_L	5535245
tert-Butylbenzene	ND		1	1	07/08/10 15:02	LU_L	5535245
Tetrachloroethene	ND		1	1	07/08/10 15:02	LU_L	5535245
Tetrahydrofuran	ND		1	1	07/08/10 15:02	LU_L	5535245
Toluene	ND		1	1	07/08/10 15:02	LU_L	5535245
trans-1,4-Dichloro-2-Butene	ND		25	1	07/08/10 15:02	LU_L	5535245
Trichloroethene	ND		1	1	07/08/10 15:02	LU_L	5535245
Trichlorofluoromethane	ND		1	1	07/08/10 15:02	LU_L	5535245
Vinyl acetate	ND		1	1	07/08/10 15:02	LU_L	5535245
Vinyl chloride	ND		1	1	07/08/10 15:02	LU_L	5535245
cis-1,2-Dichloroethene	ND		1	1	07/08/10 15:02	LU_L	5535245
cis-1,3-Dichloropropene	ND		1	1	07/08/10 15:02	LU_L	5535245
m,p-Xylene	ND		2	1	07/08/10 15:02	LU_L	5535245
o-Xylene	ND		1	1	07/08/10 15:02	LU_L	5535245
trans-1,2-Dichloroethene	ND		1	1	07/08/10 15:02	LU_L	5535245
trans-1,3-Dichloropropene	ND		1	1	07/08/10 15:02	LU_L	5535245
1,2-Dichloroethene (total)	ND		1	1	07/08/10 15:02	LU_L	5535245
Xylenes,Total	ND		1	1	07/08/10 15:02	LU_L	5535245
1,3-Dichloropropene, Total	ND		1	1	07/08/10 15:02	LU_L	5535245
Surr: 1,2-Dichloroethane-d4	83.7		% 70-130	1	07/08/10 15:02	LU_L	5535245
Surr: 4-Bromofluorobenzene	95.0		% 74-125	1	07/08/10 15:02	LU_L	5535245
Surr: Toluene-d8	95.4		% 82-118	1	07/08/10 15:02	LU_L	5535245

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

Quality Control Documentation



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Oil and Grease by Method 1664
Method: 1664A

WorkOrder: 10060878
Lab Batch ID: R304408

Method Blank

Samples in Analytical Batch:

RunID: EX_100709B-5535725 Units: mg/L
Analysis Date: 07/09/2010 15:10 Analyst: EAG
Preparation Date: 07/09/2010 11:45 Prep By: Method:
Lab Sample ID Client Sample ID
10060878-011 GLV1
10060878-021 GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Row: Oil and Grease, ND, 5.0

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: EX_100709B-5535726 Units: mg/L
Analysis Date: 07/09/2010 15:10 Analyst: EAG
Preparation Date: 07/09/2010 11:45 Prep By: Method:

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Row: Oil and Grease, 40.0, 38.1, 95.2, 40.0, 39.1, 97.8, 2.6, 18, 78, 114

Matrix Spike (MS)

Sample Spiked: H1007025100
RunID: EX_100709B-5535734 Units: mg/L
Analysis Date: 07/09/2010 15:10 Analyst: EAG
Preparation Date: 07/09/2010 11:45 Prep By: Method:

Table with 7 columns: Analyte, Sample Result, Spike Added, MS Result, MS % Recovery, Low Limit, High Limit. Row: Oil and Grease, ND, 40, 38.2, 95.5, 78, 114

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10060878
Lab Batch ID: 100762

Method Blank

Samples in Analytical Batch:

RunID: HP_B_100703A-5531629 Units: mg/L
Analysis Date: 07/03/2010 6:16 Analyst: NW
Preparation Date: 07/02/2010 11:26 Prep By: LSB Method: TX1005

Lab Sample ID Client Sample ID
10060878-01C GLV1
10060878-02C GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Rows include >C12-C28, >C28-C35, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_B_100703A-5531655 Units: mg/L
Analysis Date: 07/03/2010 20:09 Analyst: NW
Preparation Date: 07/02/2010 11:26 Prep By: LSB Method: TX1005

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10060878-01
RunID: HP_B_100703A-5531631 Units: mg/L
Analysis Date: 07/03/2010 6:40 Analyst: NW
Preparation Date: 07/02/2010 11:26 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35).

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10060878
Lab Batch ID: 100762

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10060878-01
RunID: HP_B_100703A-5531631 Units: mg/L
Analysis Date: 07/03/2010 6:40 Analyst: NW
Preparation Date: 07/02/2010 11:26 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Surr: 1-Chlorooctane and Surr: o-Terphenyl.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Method Blank

Samples in Analytical Batch:

RunID: R_100701C-5530565 Units: ug/L
Analysis Date: 07/01/2010 17:58 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Lab Sample ID Client Sample ID
10060878-01A GLV1
10060878-02A GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

- MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Method Blank

RunID: R_100701C-5530565 Units: ug/L
Analysis Date: 07/01/2010 17:58 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits (e.g., 5.0, 20, 25, 50).

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Method Blank

RunID: R_100701C-5530565 Units: ug/L
Analysis Date: 07/01/2010 17:58 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical analytes and their corresponding results (mostly ND) and reporting limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

RunID: R_100701C-5530566 Units: ug/L
Analysis Date: 07/01/2010 18:32 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows list various chemical compounds and their corresponding test results.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: R_100701C-5530566 Units: ug/L
Analysis Date: 07/01/2010 18:32 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows list various chemical analytes and their corresponding test results.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: R_100701C-5530566 Units: ug/L
Analysis Date: 07/01/2010 18:32 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows list various chemical analytes and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: R_100701C-5530566 Units: ug/L
Analysis Date: 07/01/2010 18:32 Analyst: GY
Preparation Date: 06/30/2010 11:29 Prep By: N_M Method: SW3510C

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows include various chemical compounds like N-Nitrosodi-n-propylamine, N-Nitrosodiphenylamine, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10060878
Lab Batch ID: 100698

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Method Blank

Samples in Analytical Batch:

RunID: K_100708B-5535243 Units: ug/L
Analysis Date: 07/08/2010 12:20 Analyst: LU_L

Lab Sample ID Client Sample ID
10060878-01B GLV1
10060878-02B GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Method Blank

RunID: K_100708B-5535243 Units: ug/L
Analysis Date: 07/08/2010 12:20 Analyst: LU_L

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Method Blank

RunID: K_100708B-5535243 Units: ug/L
Analysis Date: 07/08/2010 12:20 Analyst: LU_L

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

Laboratory Control Sample (LCS)

RunID: K_100708B-5535242 Units: ug/L
Analysis Date: 07/08/2010 11:55 Analyst: LU_L

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Shows recovery data for various spiked compounds.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Laboratory Control Sample (LCS)

RunID: K_100708B-5535242 Units: ug/L
Analysis Date: 07/08/2010 11:55 Analyst: LU_L

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Laboratory Control Sample (LCS)

RunID: K_100708B-5535242 Units: ug/L
Analysis Date: 07/08/2010 11:55 Analyst: LU_L

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Laboratory Control Sample (LCS)

RunID: K_100708B-5535242 Units: ug/L
Analysis Date: 07/08/2010 11:55 Analyst: LU_L

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include various chemical compounds like n-Butylbenzene, Styrene, Toluene, etc.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Sample Spiked: H1007005600
RunID: K_100708B-5535248 Units: ug/L
Analysis Date: 07/08/2010 16:49 Analyst: LU_L

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various chemical compounds and their corresponding analysis results.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: H1007005600
RunID: K_100708B-5535248 Units: ug/L
Analysis Date: 07/08/2010 16:49 Analyst: LU_L

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Acetonitrile, Benzene, Chlorobenzene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: H1007005600
RunID: K_100708B-5535248 Units: ug/L
Analysis Date: 07/08/2010 16:49 Analyst: LU_L

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Ethylbenzene, Ethylene oxide, Freon-113, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10060878
Lab Batch ID: R304372

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: H1007005600
RunID: K_100708B-5535248 Units: ug/L
Analysis Date: 07/08/2010 16:49 Analyst: LU_L

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical analytes like cis-1,2-Dichloroethene, m,p-Xylene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: pH - water
Method: SW9040C

WorkOrder: 10060878
Lab Batch ID: R303740

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Rows: 10060878-01D (GLV1), 10060878-02D (GLV2)

Laboratory Control Sample (LCS)

RunID: WET_100628C-5526242 Units: pH Units
Analysis Date: 06/28/2010 15:30 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: pH, 7.000, 7.050, 100.7, 98, 102

Sample Duplicate

Original Sample: 10060648-06
RunID: WET_100628C-5526243 Units: pH Units
Analysis Date: 06/28/2010 15:30 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Rows: pH (6.64, 6.65, 0.150, 5), Temperature (oC) (24.9, 24.9, 0, 5)

- Qualifiers: ND/U - Not Detected at the Reporting Limit, B - Analyte Detected In The Associated Method Blank, J - Estimated Value Between MDL And PQL, E - Estimated Value exceeds calibration curve, N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply, TNTC - Too numerous to count, MI - Matrix Interference, D - Recovery Unreportable due to Dilution, * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Chemical Oxygen Demand
Method: SM5220 C

WorkOrder: 10060878
Lab Batch ID: R303806

Method Blank

Samples in Analytical Batch:

RunID: WET_100629C-5527039 Units: mg/L
Analysis Date: 06/29/2010 11:30 Analyst: PAC

Lab Sample ID Client Sample ID
10060878-01H GLV1
10060878-02H GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chemical Oxygen Demand, ND, 3.0

Laboratory Control Sample (LCS)

RunID: WET_100629C-5527041 Units: mg/L
Analysis Date: 06/29/2010 11:30 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chemical Oxygen Demand, 104.0, 101.3, 97.37, 85, 115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10060646-01
RunID: WET_100629C-5527043 Units: mg/L
Analysis Date: 06/29/2010 11:30 Analyst: PAC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Row: Chemical Oxygen Demand, 45.57, 50, 88.60, 86.06, 50, 88.60, 86.06, 0, 10, 80, 120

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Ignitability
Method: SW1010A

WorkOrder: 10060878
Lab Batch ID: R303822

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Rows: 10060878-01E (GLV1), 10060878-02E (GLV2)

Laboratory Control Sample (LCS)

RunID: WET_100629D-5527274 Units: °F
Analysis Date: 06/29/2010 14:30 Analyst: EB1

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Ignitability (81.00, 81.32, 100.4, 97.5, 102.5)

Sample Duplicate

Original Sample: 10060763-01
RunID: WET_100629D-5527275 Units: °F
Analysis Date: 06/29/2010 14:30 Analyst: EB1

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Ignitability (162, 168.3, 3.63, 20)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10060878
Lab Batch ID: R304081

Method Blank

Samples in Analytical Batch:

RunID: WET_100628H-5530965 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Lab Sample ID Client Sample ID
10060878-01F GLV1
10060878-02F GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_100628H-5530967 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, 198.0, 193.2, 97.60, 83.7, 114

Sample Duplicate

Original Sample: 10060641-02
RunID: WET_100628H-5530968 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, ND, ND, 0, 20

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Carbonaceous Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10060878
Lab Batch ID: R304082

Method Blank

Samples in Analytical Batch:

RunID: WET_1006281-5530972 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Lab Sample ID Client Sample ID
10060878-01G GLV1
10060878-02G GLV2

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, Carbonaceous, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_1006281-5530974 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, Carbonac, 198.0, 193.2, 97.60, 83.7, 114

Sample Duplicate

Original Sample: 10060640-01
RunID: WET_1006281-5530975 Units: mg/L
Analysis Date: 06/28/2010 13:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, Carbonac, 10.8, 10.82, 0.370, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Sample Receipt Checklist

Workorder:	10060878	Received By:	BF
Date and Time Received:	6/28/2010 1:54:00 PM	Carrier name:	Client
Temperature:	3.0/2.0°C	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No Not Present
- 2. Custody seals intact on shipping container/cooler? Yes No Not Present
- 3. Custody seals intact on sample bottles? Yes No Not Present
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time?
 1) pH received outside method holding time. Should be immediately at the time of sampling
 Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
- 13. Water - Preservation checked upon receipt (except VOA*)? Yes No Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:



SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.
10060878

287545

page **1** of **2**

Client Name: **ABC 13**
 Address: **3310 BISSONNET ST.** State **TX** Zip **77005**
 City **HOUSTON**
 Phone/Fax: **713 578 2900**
 Client Contact: **Justin Sternberg** email: **Justin.Sternberg@abc.com**
 Project Name/No.: **ABC 13 Gulf water analysis**
 Site Name: **Gulveston, TX**
 Site Location: **East Beach**
 Invoice To: **Justin Sternberg** Ph: **713 578 2900**

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Requested Analysis											
									W=water S=soil O=oil A=air	SL=sledge E=encore X=other	G=glass V=vial X=other	1=1 liter 8=8oz 16=16oz 40=vial	1=HCl 2=HNO3 3=H2SO4 X=other	Number of Containers	VOC	VOC	TPH	PH	Ignitability	BOD
G7LV1	6-28-10	1101		X	W	A	1	2	X											
'	'	'		X	W	V	40	1												
'	'	'		X	W	V	40	1												
'	'	'		X	W	P	16	1												
'	'	'		X	W	P	16	1												
'	'	'		X	W	P	X	1												
'	'	'		X	W	P	X	1												
'	'	'		X	W	A	16	3												
'	'	'		X	W	A	1	1												

Client/Consultant Remarks: **please cc infarrell@ecoservcorp.com**

Laboratory remarks:
 Intact? **Y**
 Ice? **Y**
 Temp: **N**

Requested TAT

1 Business Day Contract
 2 Business Days Standard
 3 Business Days
 Other _____

Rush TAT requires prior notice

Special Reporting Requirements Results: Fax Email PDF
 Standard QC Level 3 QC Level 4 QC TX TRRP LA RECAP

1. Relinquished by Sampler: **[Signature]** date **6-28-10**
 3. Relinquished by: **[Signature]** date **6/28/10**
 5. Relinquished by: _____ date _____

Special Detection Limits (specify):
 2. Received by: time **13:54**
 4. Received by: **May Medrano** time **13:54**
 6. Received by Laboratory: time _____

PM review (initial): _____

8880 Interchange Drive Houston, TX 77054 (713) 660-0901
 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



SPL, Inc.
Analysis Request & Chain of Custody Record

SPL Workorder No.
10060878

287546

page **2** of **2**

Client Name: **ABC 13**
 Address: **3310 Bismarck ST** State **TX** zip **77005**
 City **Houston**
 Phone/Fax: **713 578 2700**
 Client Contact: **Justin Sternberg** Email: **Justin.Sternberg@abc.com**
 Project Name/No.: **ABC 13 GWF WATER ANALYSIS**
 Site Name: **Galveston, TX**
 Site Location: **Stewart Beach, Pelletto Beach**
 Invoice To: **Justin Sternberg** Ph: **713 578-2900**

matrix	bottle	size	pres.	Number of Containers	Requested Analysis
W=water S=soil O=oil A=air SL=sledge E=encore X=other	P=plastic A=amber glass G=glass V=vial X=other	1=1 liter 4=4oz 40=vial 8=8oz 16=16oz X=other	1=HCl 2=HNO3 3=H2SO4 X=other		
W	A	1		2	SVOC VOC TPH PH Ignorability COD COD
V	V	40		1	
V	V	40		1	
P	P	X		1	
P	P	X		1	
P	P	X		1	
P	P	X		1	
P	P	X		1	
A	A	16	3	1	
A	A	1	1	1	

SAMPLE ID	DATE	TIME	comp	grab
GALV2	11-28-10	11:50	X	

Client/Consultant Remarks: **Please CC rhfarnell@ecoservecorp.com**

Laboratory remarks:

Intact? Ice? Temp:

Special Reporting Requirements Results: Fax Email PDF LA REC-AP

Standard QC Level 3 QC Level 4 QC TX TRRP

1. Relinquished by Sampler: **Handwritten Signature** date **6-28-10**

3. Relinquished by: **Handwritten Signature** date **6-28-10**

5. Relinquished by: _____ date _____

Requested TAT: 1 Business Day Contract Standard 3 Business Days

Rush TAT requires prior notice

Special Detection Limits (specify): _____

2. Received by: **Mary Medians** time **13:54**

4. Received by: _____ time _____

6. Received by Laboratory: _____ time _____

PM review (initial): **JY BN**

8880 Interchange Drive Houston, TX 77054 (713) 660-0901

500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775

459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC 13

Certificate of Analysis Number:

10070097

<p>Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street Houston Texas 77005- ph: (713) 578-2900 fax:</p>	<p>Project Name: ABC 13 Gulf Water Analysis Site: Galveston, TX Site Address: PO Number: State: Texas State Cert. No.: T104704205-10-4 Date Reported: 7/19/2010</p>
---	--

This Report Contains A Total Of 54 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

7/19/2010

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Case Narrative for:
ABC 13

Certificate of Analysis Number:
10070097

<p>Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street</p> <p>Houston Texas 77005- ph: (713) 578-2900 fax:</p>	<p>Project Name: ABC 13 Gulf Water Analysis</p> <p>Site: Galveston, TX</p> <p>Site Address:</p> <p>PO Number:</p> <p>State: Texas</p> <p>State Cert. No.: T104704205-10-4</p> <p>Date Reported: 7/19/2010</p>
---	--

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

All samples were received expired for pH analysis. The holding time for pH is immediate and should be performed at the time of sampling. Client is aware of the holding time and requested SPL to perform the analysis.

II: ANALYSIS AND EXCEPTIONS:

SW8260B Volatile Organics:

For the sample ID "GSH 1" (SPL ID: 10070097-01), the Surrogate recovery of Bromofluorobenzene was below QC limits due to matrix interference. The surrogate was qualified with a matrix interference ("MI") qualifier.

The results for 2-chloroethyl vinyl ether are estimated due to sample preservation. The result for this compound is reported as "ND J" for all samples in the report.

For QC Batch ID: R304473, the project samples were not randomly selected for use in SPL's quality control program; therefore, this sample matrix is not applicable to your project samples.

SW8270C Semivolatile Organics:

For QC Batch ID: 100822, the project samples were not randomly selected for use in SPL's quality control program; therefore, this sample matrix is not applicable to your project samples.

TX1005 TPH:

Sample ID "GSH 1" (SPL ID:10070097-01) was randomly selected for use in SPL's quality control program for Batch ID: 100840. The Matrix Spike Duplicate (MSD) recovery was outside of the advisory quality control limits due to possible matrix interference for C12-C28. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Wet Chemistry:

pH analysis was performed outside the analytical holding time. The analysis was performed as soon as possible after sample receipt.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check

Sonia West



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Case Narrative for:
ABC 13

Certificate of Analysis Number:
10070097

for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

10070097 Page 2
7/19/2010

Sonia West
Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC 13

Certificate of Analysis Number:

10070097

Report To: ABC 13
 Justin Sternberg
 3310 Bissonnet Street

Houston
 Texas
 77005-
 ph: (713) 578-2900 fax:

Fax To:

Project Name: ABC 13 Gulf Water Analysis

Site: Galveston, TX

Site Address:

PO Number:

State: Texas

State Cert. No.: T104704205-10-4

Date Reported: 7/19/2010

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
GSH 1	10070097-01	Water	07/02/2010 0:00	7/3/2010 3:15:00 AM	296464	<input type="checkbox"/>
PEN1	10070097-02	Water	07/02/2010 0:00	7/3/2010 3:15:00 AM	296463	<input type="checkbox"/>

Sonia West
 Senior Project Manager

7/19/2010

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
 Laboratory Director

Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1 Collected: 07/02/2010 0:00 SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BIOCHEMICAL OXYGEN DEMAND - 5 DAYS				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand	3.38		2	1	07/03/10 16:00	PAC	5534570
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND - 5 DAY				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand, Carbonaceous	2.58		2.5	1.25	07/03/10 16:00	PAC	5534593
CHEMICAL OXYGEN DEMAND				MCL	SM5220 C	Units: mg/L	
Chemical Oxygen Demand	248		6	2	07/07/10 11:00	PAC	5533633
IGNITABILITY				MCL	SW1010A	Units: °F	
Ignitability	>212		70	1	07/15/10 13:00	EB1	5540757
OIL AND GREASE BY METHOD 1664				MCL	1664A	Units: mg/L	
Oil and Grease	ND		5	1	07/15/10 15:15	EAG	5541010

Prep Method	Prep Date	Prep Initials	Prep Factor
	07/15/2010 12:30		1.00

PH - WATER				MCL	SW9040C	Units: pH Units	
pH	8.49		0.1	1	07/03/10 16:00	PAC	5531920
Temperature (oC)	20.6		0.1	1	07/03/10 16:00	PAC	5531920

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1,2,4,5-Tetrachlorobenzene	ND		10	1	07/08/10 17:41	GY	5535519
1,2,4-Trichlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
1,2-Dichlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
1,2-Diphenylhydrazine	ND		10	1	07/08/10 17:41	GY	5535519
1,3,5-Trinitrobenzene	ND		10	1	07/08/10 17:41	GY	5535519
1,3-Dichlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
1,3-Dinitrobenzene	ND		10	1	07/08/10 17:41	GY	5535519
1,4-Dichlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
1,4-Napthoquinone	ND		50	1	07/08/10 17:41	GY	5535519
1-Chloronaphthalene	ND		5	1	07/08/10 17:41	GY	5535519
1-Methylnaphthalene	ND		5	1	07/08/10 17:41	GY	5535519
1-Naphthylamine	ND		5	1	07/08/10 17:41	GY	5535519
2,3,4,6-Tetrachlorophenol	ND		10	1	07/08/10 17:41	GY	5535519
2,4,5-Trichlorophenol	ND		10	1	07/08/10 17:41	GY	5535519
2,4,6-Trichlorophenol	ND		5	1	07/08/10 17:41	GY	5535519
2,4-Dichlorophenol	ND		5	1	07/08/10 17:41	GY	5535519
2,4-Dimethylphenol	ND		5	1	07/08/10 17:41	GY	5535519
2,4-Dinitrophenol	ND		25	1	07/08/10 17:41	GY	5535519
2,4-Dinitrotoluene	ND		5	1	07/08/10 17:41	GY	5535519
2,6-Dichlorophenol	ND		50	1	07/08/10 17:41	GY	5535519
2,6-Dimethylphenol	ND		5	1	07/08/10 17:41	GY	5535519
2,6-Dinitrotoluene	ND		5	1	07/08/10 17:41	GY	5535519
2-Acetylaminofluorene	ND		10	1	07/08/10 17:41	GY	5535519
2-Chloronaphthalene	ND		5	1	07/08/10 17:41	GY	5535519
2-Chlorophenol	ND		5	1	07/08/10 17:41	GY	5535519
2-Methylnaphthalene	ND		5	1	07/08/10 17:41	GY	5535519
2-Naphthylamine	ND		5	1	07/08/10 17:41	GY	5535519
2-Nitroaniline	ND		25	1	07/08/10 17:41	GY	5535519
2-Nitrophenol	ND		5	1	07/08/10 17:41	GY	5535519
2-Picoline	ND		5	1	07/08/10 17:41	GY	5535519
2-Toluidine	ND		25	1	07/08/10 17:41	GY	5535519
3,3'-Dichlorobenzidine	ND		10	1	07/08/10 17:41	GY	5535519
3,3'-Dimethylbenzidine	ND		25	1	07/08/10 17:41	GY	5535519
3-Methylcholanthrene	ND		5	1	07/08/10 17:41	GY	5535519
3-Nitroaniline	ND		25	1	07/08/10 17:41	GY	5535519
4,6-Dinitro-2-methylphenol	ND		25	1	07/08/10 17:41	GY	5535519
4-Aminobiphenyl	ND		5	1	07/08/10 17:41	GY	5535519
4-Bromophenyl phenyl ether	ND		5	1	07/08/10 17:41	GY	5535519
4-Chloro-3-methylphenol	ND		5	1	07/08/10 17:41	GY	5535519

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
4-Chloroaniline	ND		5	1	07/08/10 17:41	GY	5535519
4-Chlorophenyl phenyl ether	ND		5	1	07/08/10 17:41	GY	5535519
4-Nitroaniline	ND		25	1	07/08/10 17:41	GY	5535519
4-Nitrophenol	ND		25	1	07/08/10 17:41	GY	5535519
4-Nitroquinoline-1-oxide	ND		10	1	07/08/10 17:41	GY	5535519
5-Nitro-o-toluidine	ND		5	1	07/08/10 17:41	GY	5535519
7,12-Dimethylbenz(a)anthracene	ND		5	1	07/08/10 17:41	GY	5535519
Acenaphthene	ND		5	1	07/08/10 17:41	GY	5535519
Acenaphthylene	ND		5	1	07/08/10 17:41	GY	5535519
Acetophenone	ND		5	1	07/08/10 17:41	GY	5535519
Aniline	ND		5	1	07/08/10 17:41	GY	5535519
Anthracene	ND		5	1	07/08/10 17:41	GY	5535519
Aramite	ND		50	1	07/08/10 17:41	GY	5535519
Benz(a)anthracene	ND		5	1	07/08/10 17:41	GY	5535519
Benzidine	ND		20	1	07/08/10 17:41	GY	5535519
Benzo(a)pyrene	ND		5	1	07/08/10 17:41	GY	5535519
Benzo(b)fluoranthene	ND		5	1	07/08/10 17:41	GY	5535519
Benzo(g,h,i)perylene	ND		5	1	07/08/10 17:41	GY	5535519
Benzo(k)fluoranthene	ND		5	1	07/08/10 17:41	GY	5535519
Benzoic acid	ND		25	1	07/08/10 17:41	GY	5535519
Benzyl alcohol	ND		5	1	07/08/10 17:41	GY	5535519
Biphenyl	ND		50	1	07/08/10 17:41	GY	5535519
Bis(2-chloroethoxy)methane	ND		5	1	07/08/10 17:41	GY	5535519
Bis(2-chloroethyl)ether	ND		5	1	07/08/10 17:41	GY	5535519
Bis(2-chloroisopropyl)ether	ND		5	1	07/08/10 17:41	GY	5535519
Bis(2-ethylhexyl)phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Butyl benzyl phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Caprolactam	ND		50	1	07/08/10 17:41	GY	5535519
Carbazole	ND		5	1	07/08/10 17:41	GY	5535519
Chlorobenzilate	ND		25	1	07/08/10 17:41	GY	5535519
Chrysene	ND		5	1	07/08/10 17:41	GY	5535519
Dibenz(a,h)acridine	ND		25	1	07/08/10 17:41	GY	5535519
Dibenz(a,h)anthracene	ND		5	1	07/08/10 17:41	GY	5535519
Dibenz(a,j)acridine	ND		5	1	07/08/10 17:41	GY	5535519
Dibenzofuran	ND		5	1	07/08/10 17:41	GY	5535519
Diethyl phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Dimethyl phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Di-n-butyl phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Di-n-octyl phthalate	ND		5	1	07/08/10 17:41	GY	5535519
Dinoseb	ND		10	1	07/08/10 17:41	GY	5535519

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Diphenyl oxide	ND		20	1	07/08/10 17:41	GY	5535519
Diphenylamine	ND		10	1	07/08/10 17:41	GY	5535519
Ethyl methanesulfonate	ND		10	1	07/08/10 17:41	GY	5535519
Fluoranthene	ND		5	1	07/08/10 17:41	GY	5535519
Fluorene	ND		5	1	07/08/10 17:41	GY	5535519
Hexachlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
Hexachlorobutadiene	ND		5	1	07/08/10 17:41	GY	5535519
Hexachlorocyclopentadiene	ND		5	1	07/08/10 17:41	GY	5535519
Hexachloroethane	ND		5	1	07/08/10 17:41	GY	5535519
Hexachloropropene	ND		5	1	07/08/10 17:41	GY	5535519
Indeno(1,2,3-cd)pyrene	ND		5	1	07/08/10 17:41	GY	5535519
Isodrin	ND		5	1	07/08/10 17:41	GY	5535519
Isophorone	ND		5	1	07/08/10 17:41	GY	5535519
Isosafrole	ND		10	1	07/08/10 17:41	GY	5535519
Methapyrilene	ND		5	1	07/08/10 17:41	GY	5535519
Methyl methanesulfonate	ND		10	1	07/08/10 17:41	GY	5535519
Methylchrysene	ND		50	1	07/08/10 17:41	GY	5535519
Naphthalene	ND		5	1	07/08/10 17:41	GY	5535519
Nitrobenzene	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosodiethylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosodimethylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitroso-di-n-butylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosodi-n-propylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosodiphenylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosomethylethylamine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosomorpholine	ND		25	1	07/08/10 17:41	GY	5535519
N-Nitrosopiperidine	ND		5	1	07/08/10 17:41	GY	5535519
N-Nitrosopyrrolidine	ND		5	1	07/08/10 17:41	GY	5535519
Octachlorostyrene	ND		5	1	07/08/10 17:41	GY	5535519
p-Dimethylaminoazobenzene	ND		25	1	07/08/10 17:41	GY	5535519
Pentachlorobenzene	ND		5	1	07/08/10 17:41	GY	5535519
Pentachloroethane	ND		10	1	07/08/10 17:41	GY	5535519
Pentachloronitrobenzene	ND		10	1	07/08/10 17:41	GY	5535519
Pentachlorophenol	ND		25	1	07/08/10 17:41	GY	5535519
Phenacetin	ND		5	1	07/08/10 17:41	GY	5535519
Phenanthrene	ND		5	1	07/08/10 17:41	GY	5535519
Phenol	ND		5	1	07/08/10 17:41	GY	5535519
p-Phenylenediamine	ND		50	1	07/08/10 17:41	GY	5535519
Pronamide	ND		10	1	07/08/10 17:41	GY	5535519
Pyrene	ND		5	1	07/08/10 17:41	GY	5535519

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Pyridine	ND		5	1	07/08/10 17:41	GY	5535519
Quinoline	ND		50	1	07/08/10 17:41	GY	5535519
Safrole	ND		5	1	07/08/10 17:41	GY	5535519
2-Methylphenol	ND		5	1	07/08/10 17:41	GY	5535519
3 & 4-Methylphenol	ND		5	1	07/08/10 17:41	GY	5535519
Cresols, Total	ND		5	1	07/08/10 17:41	GY	5535519
Surr: 2,4,6-Tribromophenol	110		% 25-154	1	07/08/10 17:41	GY	5535519
Surr: 2-Fluorobiphenyl	72.8		% 45-108	1	07/08/10 17:41	GY	5535519
Surr: 2-Fluorophenol	64.8		% 18-113	1	07/08/10 17:41	GY	5535519
Surr: Nitrobenzene-d5	67.2		% 41-113	1	07/08/10 17:41	GY	5535519
Surr: Phenol-d5	52.1		% 10-113	1	07/08/10 17:41	GY	5535519
Surr: Terphenyl-d14	80.8		% 43-122	1	07/08/10 17:41	GY	5535519

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/07/2010 10:34	N_M	1.00

TPH TEXAS 1005	MCL	TX1005	Units: mg/L
C6-C12	5	1	07/11/10 4:02 NW 5541782
>C12-C28	5	1	07/11/10 4:02 NW 5541782
>C28-C35	5	1	07/11/10 4:02 NW 5541782
Total TPH (C6-C35)	5	1	07/11/10 4:02 NW 5541782
Surr: 1-Chlorooctane	% 70-130	1	07/11/10 4:02 NW 5541782
Surr: o-Terphenyl	% 70-130	1	07/11/10 4:02 NW 5541782

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	07/08/2010 15:00	LSB	1.00

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,1,1-Trichloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,1,2,2-Tetrachloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,1,2-Trichloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,1-Dichloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,1-Dichloroethene	ND		1	1	07/09/10 13:09	LT	5536699
1,1-Dichloropropene	ND		1	1	07/09/10 13:09	LT	5536699
1,2,3-Trichlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,2,3-Trichloropropane	ND		1	1	07/09/10 13:09	LT	5536699
1,2,4-Trichlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,2,4-Trimethylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,2-Dibromo-3-chloropropane	ND		5	1	07/09/10 13:09	LT	5536699
1,2-Dibromoethane	ND		1	1	07/09/10 13:09	LT	5536699
1,2-Dichlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,2-Dichloroethane	ND		1	1	07/09/10 13:09	LT	5536699
1,2-Dichloropropane	ND		1	1	07/09/10 13:09	LT	5536699
1,3,5-Trimethylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,3-Butadiene	ND		1	1	07/09/10 13:09	LT	5536699
1,3-Dichlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,3-Dichloropropane	ND		1	1	07/09/10 13:09	LT	5536699
1,4-Dichlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
1,4-Dioxane	ND		50	1	07/09/10 13:09	LT	5536699
2,2,4-Trimethylpentane	ND		1	1	07/09/10 13:09	LT	5536699
2,2-Dichloropropane	ND		1	1	07/09/10 13:09	LT	5536699
2-Butanone	ND		12	1	07/09/10 13:09	LT	5536699
2-Chloroethyl vinyl ether	ND J		5	1	07/09/10 13:09	LT	5536699
2-Chlorotoluene	ND		1	1	07/09/10 13:09	LT	5536699
2-Hexanone	ND		12	1	07/09/10 13:09	LT	5536699
2-Nitropropane	ND		5	1	07/09/10 13:09	LT	5536699
4-Chlorotoluene	ND		1	1	07/09/10 13:09	LT	5536699
4-Isopropyltoluene	ND		1	1	07/09/10 13:09	LT	5536699
4-Methyl-2-pentanone	ND		12	1	07/09/10 13:09	LT	5536699
Acetone	ND		12	1	07/09/10 13:09	LT	5536699
Acetonitrile	ND		25	1	07/09/10 13:09	LT	5536699
Acrylonitrile	ND		5	1	07/09/10 13:09	LT	5536699
Allyl chloride	ND		1	1	07/09/10 13:09	LT	5536699
alpha-Methylstyrene	ND		1	1	07/09/10 13:09	LT	5536699
Benzene	ND		1	1	07/09/10 13:09	LT	5536699
Benzyl chloride	ND		5	1	07/09/10 13:09	LT	5536699

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bromobenzene	ND		1	1	07/09/10 13:09	LT	5536699
Bromochloromethane	ND		1	1	07/09/10 13:09	LT	5536699
Bromodichloromethane	ND		1	1	07/09/10 13:09	LT	5536699
Bromoform	ND		1	1	07/09/10 13:09	LT	5536699
Bromomethane	ND		1	1	07/09/10 13:09	LT	5536699
Butyl Acetate	ND		1	1	07/09/10 13:09	LT	5536699
Carbon disulfide	ND		5	1	07/09/10 13:09	LT	5536699
Carbon tetrachloride	ND		1	1	07/09/10 13:09	LT	5536699
Chlorobenzene	ND		1	1	07/09/10 13:09	LT	5536699
Chloroethane	ND		1	1	07/09/10 13:09	LT	5536699
Chloroform	ND		1	1	07/09/10 13:09	LT	5536699
Chloromethane	ND		1	1	07/09/10 13:09	LT	5536699
Chloroprene	ND		1	1	07/09/10 13:09	LT	5536699
Crotonaldehyde	ND		25	1	07/09/10 13:09	LT	5536699
Cyclohexane	ND		1	1	07/09/10 13:09	LT	5536699
Cyclohexanone	ND		25	1	07/09/10 13:09	LT	5536699
Dibromochloromethane	ND		1	1	07/09/10 13:09	LT	5536699
Dibromomethane	ND		1	1	07/09/10 13:09	LT	5536699
Dichlorodifluoromethane	ND		1	1	07/09/10 13:09	LT	5536699
Dicyclopentadiene	ND		1	1	07/09/10 13:09	LT	5536699
Diisopropyl Ether	ND		1	1	07/09/10 13:09	LT	5536699
Epichlorohydrin	ND		25	1	07/09/10 13:09	LT	5536699
Ethyl Acetate	ND		5	1	07/09/10 13:09	LT	5536699
Ethyl Cyanide	ND		5	1	07/09/10 13:09	LT	5536699
Ethyl Ether	ND		1	1	07/09/10 13:09	LT	5536699
Ethyl methacrylate	ND		1	1	07/09/10 13:09	LT	5536699
Ethylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
Ethylene oxide	ND		25	1	07/09/10 13:09	LT	5536699
Freon-113	ND		5	1	07/09/10 16:57	LT	5536871
Hexachlorobutadiene	ND		1	1	07/09/10 13:09	LT	5536699
Hexane	ND		1	1	07/09/10 13:09	LT	5536699
Iodomethane	ND		1	1	07/09/10 13:09	LT	5536699
Isobutyl alcohol	ND		50	1	07/09/10 13:09	LT	5536699
Isopropylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
Methacrylonitrile	ND		1	1	07/09/10 16:57	LT	5536871
Methyl acetate	ND		5	1	07/09/10 13:09	LT	5536699
Methyl methacrylate	ND		1	1	07/09/10 13:09	LT	5536699
Methyl tert-butyl ether	ND		1	1	07/09/10 13:09	LT	5536699
Methylcyclohexane	ND		1	1	07/09/10 13:09	LT	5536699
Methylene chloride	ND		1	1	07/09/10 13:09	LT	5536699

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: GSH 1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Naphthalene	ND		1	1	07/09/10 13:09	LT	5536699
n-Butylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
n-Propylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
p-Diethylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
sec-Butylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
Styrene	ND		1	1	07/09/10 13:09	LT	5536699
t-Butyl alcohol	ND		25	1	07/09/10 13:09	LT	5536699
tert-Amyl methyl ether	ND		1	1	07/09/10 13:09	LT	5536699
tert-Butyl ethyl ether	ND		1	1	07/09/10 13:09	LT	5536699
tert-Butylbenzene	ND		1	1	07/09/10 13:09	LT	5536699
Tetrachloroethene	ND		1	1	07/09/10 13:09	LT	5536699
Tetrahydrofuran	ND		1	1	07/09/10 16:57	LT	5536871
Toluene	ND		1	1	07/09/10 13:09	LT	5536699
trans-1,4-Dichloro-2-Butene	ND		25	1	07/09/10 13:09	LT	5536699
Trichloroethene	ND		1	1	07/09/10 13:09	LT	5536699
Trichlorofluoromethane	ND		1	1	07/09/10 13:09	LT	5536699
Vinyl acetate	ND		1	1	07/09/10 13:09	LT	5536699
Vinyl chloride	ND		1	1	07/09/10 13:09	LT	5536699
cis-1,2-Dichloroethene	ND		1	1	07/09/10 13:09	LT	5536699
cis-1,3-Dichloropropene	ND		1	1	07/09/10 13:09	LT	5536699
m,p-Xylene	ND		2	1	07/09/10 13:09	LT	5536699
o-Xylene	ND		1	1	07/09/10 13:09	LT	5536699
trans-1,2-Dichloroethene	ND		1	1	07/09/10 13:09	LT	5536699
trans-1,3-Dichloropropene	ND		1	1	07/09/10 13:09	LT	5536699
1,2-Dichloroethene (total)	ND		1	1	07/09/10 13:09	LT	5536699
Xylenes, Total	ND		1	1	07/09/10 13:09	LT	5536699
1,3-Dichloropropene, Total	ND		1	1	07/09/10 13:09	LT	5536699
Surr: 1,2-Dichloroethane-d4	98.7		% 70-130	1	07/09/10 13:09	LT	5536699
Surr: 1,2-Dichloroethane-d4	89.7		% 70-130	1	07/09/10 16:57	LT	5536871
Surr: 4-Bromofluorobenzene	99.9		% 74-125	1	07/09/10 13:09	LT	5536699
Surr: 4-Bromofluorobenzene	72.7 MI	*	% 74-125	1	07/09/10 16:57	LT	5536871
Surr: Toluene-d8	102		% 82-118	1	07/09/10 16:57	LT	5536871
Surr: Toluene-d8	89.7		% 82-118	1	07/09/10 13:09	LT	5536699

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1 Collected: 07/02/2010 0:00 SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BIOCHEMICAL OXYGEN DEMAND - 5 DAYS				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand	2.04		2	1	07/03/10 16:00	PAC	5534571
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND - 5 DAY				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand, Carbonaceous	2.03		2	1	07/03/10 16:00	PAC	5534592
CHEMICAL OXYGEN DEMAND				MCL	SM5220 C	Units: mg/L	
Chemical Oxygen Demand	70.9		12	4	07/07/10 11:00	PAC	5533634
IGNITABILITY				MCL	SW1010A	Units: °F	
Ignitability	>212		70	1	07/15/10 13:00	EB1	5540759
OIL AND GREASE BY METHOD 1664				MCL	1664A	Units: mg/L	
Oil and Grease	ND		5	1	07/15/10 15:15	EAG	5541011

Prep Method	Prep Date	Prep Initials	Prep Factor
	07/15/2010 12:30		1.00

PH - WATER				MCL	SW9040C	Units: pH Units	
pH	8.46		0.1	1	07/03/10 16:00	PAC	5531919
Temperature (oC)	20.6		0.1	1	07/03/10 16:00	PAC	5531919

Qualifiers: ND/U - Not Detected at the Reporting Limit >MCL - Result Over Maximum Contamination Limit(MCL)
 B - Analyte Detected In The Associated Method Blank D - Surrogate Recovery Unreportable due to Dilution
 * - Surrogate Recovery Outside Advisable QC Limits MI - Matrix Interference
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1,2,4,5-Tetrachlorobenzene	ND		10	1	07/08/10 18:15	GY	5535520
1,2,4-Trichlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
1,2-Dichlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
1,2-Diphenylhydrazine	ND		10	1	07/08/10 18:15	GY	5535520
1,3,5-Trinitrobenzene	ND		10	1	07/08/10 18:15	GY	5535520
1,3-Dichlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
1,3-Dinitrobenzene	ND		10	1	07/08/10 18:15	GY	5535520
1,4-Dichlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
1,4-Napthoquinone	ND		50	1	07/08/10 18:15	GY	5535520
1-Chloronaphthalene	ND		5	1	07/08/10 18:15	GY	5535520
1-Methylnaphthalene	ND		5	1	07/08/10 18:15	GY	5535520
1-Naphthylamine	ND		5	1	07/08/10 18:15	GY	5535520
2,3,4,6-Tetrachlorophenol	ND		10	1	07/08/10 18:15	GY	5535520
2,4,5-Trichlorophenol	ND		10	1	07/08/10 18:15	GY	5535520
2,4,6-Trichlorophenol	ND		5	1	07/08/10 18:15	GY	5535520
2,4-Dichlorophenol	ND		5	1	07/08/10 18:15	GY	5535520
2,4-Dimethylphenol	ND		5	1	07/08/10 18:15	GY	5535520
2,4-Dinitrophenol	ND		25	1	07/08/10 18:15	GY	5535520
2,4-Dinitrotoluene	ND		5	1	07/08/10 18:15	GY	5535520
2,6-Dichlorophenol	ND		50	1	07/08/10 18:15	GY	5535520
2,6-Dimethylphenol	ND		5	1	07/08/10 18:15	GY	5535520
2,6-Dinitrotoluene	ND		5	1	07/08/10 18:15	GY	5535520
2-Acetylaminofluorene	ND		10	1	07/08/10 18:15	GY	5535520
2-Chloronaphthalene	ND		5	1	07/08/10 18:15	GY	5535520
2-Chlorophenol	ND		5	1	07/08/10 18:15	GY	5535520
2-Methylnaphthalene	ND		5	1	07/08/10 18:15	GY	5535520
2-Naphthylamine	ND		5	1	07/08/10 18:15	GY	5535520
2-Nitroaniline	ND		25	1	07/08/10 18:15	GY	5535520
2-Nitrophenol	ND		5	1	07/08/10 18:15	GY	5535520
2-Picoline	ND		5	1	07/08/10 18:15	GY	5535520
2-Toluidine	ND		25	1	07/08/10 18:15	GY	5535520
3,3'-Dichlorobenzidine	ND		10	1	07/08/10 18:15	GY	5535520
3,3'-Dimethylbenzidine	ND		25	1	07/08/10 18:15	GY	5535520
3-Methylcholanthrene	ND		5	1	07/08/10 18:15	GY	5535520
3-Nitroaniline	ND		25	1	07/08/10 18:15	GY	5535520
4,6-Dinitro-2-methylphenol	ND		25	1	07/08/10 18:15	GY	5535520
4-Aminobiphenyl	ND		5	1	07/08/10 18:15	GY	5535520
4-Bromophenyl phenyl ether	ND		5	1	07/08/10 18:15	GY	5535520
4-Chloro-3-methylphenol	ND		5	1	07/08/10 18:15	GY	5535520

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
4-Chloroaniline	ND		5	1	07/08/10 18:15	GY	5535520
4-Chlorophenyl phenyl ether	ND		5	1	07/08/10 18:15	GY	5535520
4-Nitroaniline	ND		25	1	07/08/10 18:15	GY	5535520
4-Nitrophenol	ND		25	1	07/08/10 18:15	GY	5535520
4-Nitroquinoline-1-oxide	ND		10	1	07/08/10 18:15	GY	5535520
5-Nitro-o-toluidine	ND		5	1	07/08/10 18:15	GY	5535520
7,12-Dimethylbenz(a)anthracene	ND		5	1	07/08/10 18:15	GY	5535520
Acenaphthene	ND		5	1	07/08/10 18:15	GY	5535520
Acenaphthylene	ND		5	1	07/08/10 18:15	GY	5535520
Acetophenone	ND		5	1	07/08/10 18:15	GY	5535520
Aniline	ND		5	1	07/08/10 18:15	GY	5535520
Anthracene	ND		5	1	07/08/10 18:15	GY	5535520
Aramite	ND		50	1	07/08/10 18:15	GY	5535520
Benz(a)anthracene	ND		5	1	07/08/10 18:15	GY	5535520
Benzidine	ND		20	1	07/08/10 18:15	GY	5535520
Benzo(a)pyrene	ND		5	1	07/08/10 18:15	GY	5535520
Benzo(b)fluoranthene	ND		5	1	07/08/10 18:15	GY	5535520
Benzo(g,h,i)perylene	ND		5	1	07/08/10 18:15	GY	5535520
Benzo(k)fluoranthene	ND		5	1	07/08/10 18:15	GY	5535520
Benzoic acid	ND		25	1	07/08/10 18:15	GY	5535520
Benzyl alcohol	ND		5	1	07/08/10 18:15	GY	5535520
Biphenyl	ND		50	1	07/08/10 18:15	GY	5535520
Bis(2-chloroethoxy)methane	ND		5	1	07/08/10 18:15	GY	5535520
Bis(2-chloroethyl)ether	ND		5	1	07/08/10 18:15	GY	5535520
Bis(2-chloroisopropyl)ether	ND		5	1	07/08/10 18:15	GY	5535520
Bis(2-ethylhexyl)phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Butyl benzyl phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Caprolactam	ND		50	1	07/08/10 18:15	GY	5535520
Carbazole	ND		5	1	07/08/10 18:15	GY	5535520
Chlorobenzilate	ND		25	1	07/08/10 18:15	GY	5535520
Chrysene	ND		5	1	07/08/10 18:15	GY	5535520
Dibenz(a,h)acridine	ND		25	1	07/08/10 18:15	GY	5535520
Dibenz(a,h)anthracene	ND		5	1	07/08/10 18:15	GY	5535520
Dibenz(a,i)acridine	ND		5	1	07/08/10 18:15	GY	5535520
Dibenzofuran	ND		5	1	07/08/10 18:15	GY	5535520
Diethyl phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Dimethyl phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Di-n-butyl phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Di-n-octyl phthalate	ND		5	1	07/08/10 18:15	GY	5535520
Dinoseb	ND		10	1	07/08/10 18:15	GY	5535520

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Diphenyl oxide	ND		20	1	07/08/10 18:15	GY	5535520
Diphenylamine	ND		10	1	07/08/10 18:15	GY	5535520
Ethyl methanesulfonate	ND		10	1	07/08/10 18:15	GY	5535520
Fluoranthene	ND		5	1	07/08/10 18:15	GY	5535520
Fluorene	ND		5	1	07/08/10 18:15	GY	5535520
Hexachlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
Hexachlorobutadiene	ND		5	1	07/08/10 18:15	GY	5535520
Hexachlorocyclopentadiene	ND		5	1	07/08/10 18:15	GY	5535520
Hexachloroethane	ND		5	1	07/08/10 18:15	GY	5535520
Hexachloropropene	ND		5	1	07/08/10 18:15	GY	5535520
Indeno(1,2,3-cd)pyrene	ND		5	1	07/08/10 18:15	GY	5535520
Isodrin	ND		5	1	07/08/10 18:15	GY	5535520
Isophorone	ND		5	1	07/08/10 18:15	GY	5535520
Isosafrole	ND		10	1	07/08/10 18:15	GY	5535520
Methapyrilene	ND		5	1	07/08/10 18:15	GY	5535520
Methyl methanesulfonate	ND		10	1	07/08/10 18:15	GY	5535520
Methylchrysene	ND		50	1	07/08/10 18:15	GY	5535520
Naphthalene	ND		5	1	07/08/10 18:15	GY	5535520
Nitrobenzene	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosodiethylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosodimethylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitroso-di-n-butylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosodi-n-propylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosodiphenylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosomethylethylamine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosomorpholine	ND		25	1	07/08/10 18:15	GY	5535520
N-Nitrosopiperidine	ND		5	1	07/08/10 18:15	GY	5535520
N-Nitrosopyrrolidine	ND		5	1	07/08/10 18:15	GY	5535520
Octachlorostyrene	ND		5	1	07/08/10 18:15	GY	5535520
p-Dimethylaminoazobenzene	ND		25	1	07/08/10 18:15	GY	5535520
Pentachlorobenzene	ND		5	1	07/08/10 18:15	GY	5535520
Pentachloroethane	ND		10	1	07/08/10 18:15	GY	5535520
Pentachloronitrobenzene	ND		10	1	07/08/10 18:15	GY	5535520
Pentachlorophenol	ND		25	1	07/08/10 18:15	GY	5535520
Phenacetin	ND		5	1	07/08/10 18:15	GY	5535520
Phenanthrene	ND		5	1	07/08/10 18:15	GY	5535520
Phenol	ND		5	1	07/08/10 18:15	GY	5535520
p-Phenylenediamine	ND		50	1	07/08/10 18:15	GY	5535520
Pronamide	ND		10	1	07/08/10 18:15	GY	5535520
Pyrene	ND		5	1	07/08/10 18:15	GY	5535520

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Pyridine	ND		5	1	07/08/10 18:15	GY	5535520
Quinoline	ND		50	1	07/08/10 18:15	GY	5535520
Safrole	ND		5	1	07/08/10 18:15	GY	5535520
2-Methylphenol	ND		5	1	07/08/10 18:15	GY	5535520
3 & 4-Methylphenol	ND		5	1	07/08/10 18:15	GY	5535520
Cresols, Total	ND		5	1	07/08/10 18:15	GY	5535520
Surr: 2,4,6-Tribromophenol	120		% 25-154	1	07/08/10 18:15	GY	5535520
Surr: 2-Fluorobiphenyl	80.8		% 45-108	1	07/08/10 18:15	GY	5535520
Surr: 2-Fluorophenol	58.4		% 18-113	1	07/08/10 18:15	GY	5535520
Surr: Nitrobenzene-d5	76.4		% 41-113	1	07/08/10 18:15	GY	5535520
Surr: Phenol-d5	46.4		% 10-113	1	07/08/10 18:15	GY	5535520
Surr: Terphenyl-d14	82.4		% 43-122	1	07/08/10 18:15	GY	5535520

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/07/2010 10:34	N_M	1.00

TPH TEXAS 1005	MCL	TX1005	Units: mg/L
C6-C12	ND	4.8	1 07/11/10 4:34 NW 5541789
>C12-C28	ND	4.8	1 07/11/10 4:34 NW 5541789
>C28-C35	ND	4.8	1 07/11/10 4:34 NW 5541789
Total TPH (C6-C35)	ND	4.8	1 07/11/10 4:34 NW 5541789
Surr: 1-Chlorooctane	106	% 70-130	1 07/11/10 4:34 NW 5541789
Surr: o-Terphenyl	98.7	% 70-130	1 07/11/10 4:34 NW 5541789

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	07/08/2010 15:00	LSB	0.97

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,1,1-Trichloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,1,2,2-Tetrachloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,1,2-Trichloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,1-Dichloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,1-Dichloroethene	ND		1	1	07/09/10 13:39	LT	5536700
1,1-Dichloropropene	ND		1	1	07/09/10 13:39	LT	5536700
1,2,3-Trichlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,2,3-Trichloropropane	ND		1	1	07/09/10 13:39	LT	5536700
1,2,4-Trichlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,2,4-Trimethylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,2-Dibromo-3-chloropropane	ND		5	1	07/09/10 13:39	LT	5536700
1,2-Dibromoethane	ND		1	1	07/09/10 13:39	LT	5536700
1,2-Dichlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,2-Dichloroethane	ND		1	1	07/09/10 13:39	LT	5536700
1,2-Dichloropropane	ND		1	1	07/09/10 13:39	LT	5536700
1,3,5-Trimethylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,3-Butadiene	ND		1	1	07/09/10 13:39	LT	5536700
1,3-Dichlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,3-Dichloropropane	ND		1	1	07/09/10 13:39	LT	5536700
1,4-Dichlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
1,4-Dioxane	ND		50	1	07/09/10 13:39	LT	5536700
2,2,4-Trimethylpentane	ND		1	1	07/09/10 13:39	LT	5536700
2,2-Dichloropropane	ND		1	1	07/09/10 13:39	LT	5536700
2-Butanone	ND		12	1	07/09/10 13:39	LT	5536700
2-Chloroethyl vinyl ether	ND J		5	1	07/09/10 13:39	LT	5536700
2-Chlorotoluene	ND		1	1	07/09/10 13:39	LT	5536700
2-Hexanone	ND		12	1	07/09/10 13:39	LT	5536700
2-Nitropropane	ND		5	1	07/09/10 13:39	LT	5536700
4-Chlorotoluene	ND		1	1	07/09/10 13:39	LT	5536700
4-Isopropyltoluene	ND		1	1	07/09/10 13:39	LT	5536700
4-Methyl-2-pentanone	ND		12	1	07/09/10 13:39	LT	5536700
Acetone	ND		12	1	07/09/10 13:39	LT	5536700
Acetonitrile	ND		25	1	07/09/10 13:39	LT	5536700
Acrylonitrile	ND		5	1	07/09/10 13:39	LT	5536700
Allyl chloride	ND		1	1	07/09/10 13:39	LT	5536700
alpha-Methylstyrene	ND		1	1	07/09/10 13:39	LT	5536700
Benzene	ND		1	1	07/09/10 13:39	LT	5536700
Benzyl chloride	ND		5	1	07/09/10 13:39	LT	5536700

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bromobenzene	ND		1	1	07/09/10 13:39	LT	5536700
Bromochloromethane	ND		1	1	07/09/10 13:39	LT	5536700
Bromodichloromethane	ND		1	1	07/09/10 13:39	LT	5536700
Bromoform	ND		1	1	07/09/10 13:39	LT	5536700
Bromomethane	ND		1	1	07/09/10 13:39	LT	5536700
Butyl Acetate	ND		1	1	07/09/10 13:39	LT	5536700
Carbon disulfide	ND		5	1	07/09/10 13:39	LT	5536700
Carbon tetrachloride	ND		1	1	07/09/10 13:39	LT	5536700
Chlorobenzene	ND		1	1	07/09/10 13:39	LT	5536700
Chloroethane	ND		1	1	07/09/10 13:39	LT	5536700
Chloroform	ND		1	1	07/09/10 13:39	LT	5536700
Chloromethane	ND		1	1	07/09/10 13:39	LT	5536700
Chloroprene	ND		1	1	07/09/10 13:39	LT	5536700
Crotonaldehyde	ND		25	1	07/09/10 13:39	LT	5536700
Cyclohexane	ND		1	1	07/09/10 13:39	LT	5536700
Cyclohexanone	ND		25	1	07/09/10 13:39	LT	5536700
Dibromochloromethane	ND		1	1	07/09/10 13:39	LT	5536700
Dibromomethane	ND		1	1	07/09/10 13:39	LT	5536700
Dichlorodifluoromethane	ND		1	1	07/09/10 13:39	LT	5536700
Dicyclopentadiene	ND		1	1	07/09/10 13:39	LT	5536700
Diisopropyl Ether	ND		1	1	07/09/10 13:39	LT	5536700
Epichlorohydrin	ND		25	1	07/09/10 13:39	LT	5536700
Ethyl Acetate	ND		5	1	07/09/10 13:39	LT	5536700
Ethyl Cyanide	ND		5	1	07/09/10 13:39	LT	5536700
Ethyl Ether	ND		1	1	07/09/10 13:39	LT	5536700
Ethyl methacrylate	ND		1	1	07/09/10 13:39	LT	5536700
Ethylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
Ethylene oxide	ND		25	1	07/09/10 13:39	LT	5536700
Freon-113	ND		5	1	07/09/10 17:26	LT	5536872
Hexachlorobutadiene	ND		1	1	07/09/10 13:39	LT	5536700
Hexane	ND		1	1	07/09/10 13:39	LT	5536700
Iodomethane	ND		1	1	07/09/10 13:39	LT	5536700
Isobutyl alcohol	ND		50	1	07/09/10 13:39	LT	5536700
Isopropylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
Methacrylonitrile	ND		1	1	07/09/10 17:26	LT	5536872
Methyl acetate	ND		5	1	07/09/10 13:39	LT	5536700
Methyl methacrylate	ND		1	1	07/09/10 13:39	LT	5536700
Methyl tert-butyl ether	ND		1	1	07/09/10 13:39	LT	5536700
Methylcyclohexane	ND		1	1	07/09/10 13:39	LT	5536700
Methylene chloride	ND		1	1	07/09/10 13:39	LT	5536700

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID: PEN1

Collected: 07/02/2010 0:00

SPL Sample ID: 10070097-02

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Naphthalene	ND		1	1	07/09/10 13:39	LT	5536700
n-Butylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
n-Propylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
p-Diethylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
sec-Butylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
Styrene	ND		1	1	07/09/10 13:39	LT	5536700
t-Butyl alcohol	ND		25	1	07/09/10 13:39	LT	5536700
tert-Amyl methyl ether	ND		1	1	07/09/10 13:39	LT	5536700
tert-Butyl ethyl ether	ND		1	1	07/09/10 13:39	LT	5536700
tert-Butylbenzene	ND		1	1	07/09/10 13:39	LT	5536700
Tetrachloroethene	ND		1	1	07/09/10 13:39	LT	5536700
Tetrahydrofuran	ND		1	1	07/09/10 17:26	LT	5536872
Toluene	ND		1	1	07/09/10 13:39	LT	5536700
trans-1,4-Dichloro-2-Butene	ND		25	1	07/09/10 13:39	LT	5536700
Trichloroethene	ND		1	1	07/09/10 13:39	LT	5536700
Trichlorofluoromethane	ND		1	1	07/09/10 13:39	LT	5536700
Vinyl acetate	ND		1	1	07/09/10 13:39	LT	5536700
Vinyl chloride	ND		1	1	07/09/10 13:39	LT	5536700
cis-1,2-Dichloroethene	ND		1	1	07/09/10 13:39	LT	5536700
cis-1,3-Dichloropropene	ND		1	1	07/09/10 13:39	LT	5536700
m,p-Xylene	ND		2	1	07/09/10 13:39	LT	5536700
o-Xylene	ND		1	1	07/09/10 13:39	LT	5536700
trans-1,2-Dichloroethene	ND		1	1	07/09/10 13:39	LT	5536700
trans-1,3-Dichloropropene	ND		1	1	07/09/10 13:39	LT	5536700
1,2-Dichloroethene (total)	ND		1	1	07/09/10 13:39	LT	5536700
Xylenes, Total	ND		1	1	07/09/10 13:39	LT	5536700
1,3-Dichloropropene, Total	ND		1	1	07/09/10 13:39	LT	5536700
Surr: 1,2-Dichloroethane-d4	99.5		% 70-130	1	07/09/10 13:39	LT	5536700
Surr: 1,2-Dichloroethane-d4	86.7		% 70-130	1	07/09/10 17:26	LT	5536872
Surr: 4-Bromofluorobenzene	101		% 74-125	1	07/09/10 13:39	LT	5536700
Surr: 4-Bromofluorobenzene	76.2		% 74-125	1	07/09/10 17:26	LT	5536872
Surr: Toluene-d8	111		% 82-118	1	07/09/10 17:26	LT	5536872
Surr: Toluene-d8	90.5		% 82-118	1	07/09/10 13:39	LT	5536700

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

Quality Control Documentation



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Oil and Grease by Method 1664
Method: 1664A

WorkOrder: 10070097
Lab Batch ID: R304764

Method Blank

Samples in Analytical Batch:

RunID: EX_100715B-5541006 Units: mg/L
Analysis Date: 07/15/2010 15:15 Analyst: EAG
Preparation Date: 07/15/2010 12:30 Prep By: Method:
Lab Sample ID Client Sample ID
10070097-011 GSH 1
10070097-021 PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Row: Oil and Grease, ND, 5.0

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: EX_100715B-5541007 Units: mg/L
Analysis Date: 07/15/2010 15:15 Analyst: EAG
Preparation Date: 07/15/2010 12:30 Prep By: Method:

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Row: Oil and Grease, 40.0, 39.5, 98.8, 40.0, 39.3, 98.2, 0.5, 18, 78, 114

Matrix Spike (MS)

Sample Spiked: H1007037000
RunID: EX_100715B-5541013 Units: mg/L
Analysis Date: 07/15/2010 15:15 Analyst: EAG
Preparation Date: 07/15/2010 12:30 Prep By: Method:

Table with 7 columns: Analyte, Sample Result, Spike Added, MS Result, MS % Recovery, Low Limit, High Limit. Row: Oil and Grease, ND, 40, 38.5, 96.2, 78, 114

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10070097
Lab Batch ID: 100840

Method Blank

Samples in Analytical Batch:

RunID: HP_B_100711A-5541751 Units: mg/L
Analysis Date: 07/11/2010 3:31 Analyst: NW
Preparation Date: 07/08/2010 15:00 Prep By: LSB Method: TX1005

Lab Sample ID Client Sample ID
10070097-01C GSH 1
10070097-02C PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Rows include >C12-C28, >C28-C35, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Laboratory Control Sample (LCS)

RunID: HP_B_100711A-5541772 Units: mg/L
Analysis Date: 07/12/2010 16:03 Analyst: NW
Preparation Date: 07/08/2010 15:00 Prep By: LSB Method: TX1005

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070097-01
RunID: HP_B_100711A-5541786 Units: mg/L
Analysis Date: 07/11/2010 4:13 Analyst: NW
Preparation Date: 07/08/2010 15:00 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35).

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10070097
Lab Batch ID: 100840

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070097-01
RunID: HP_B_100711A-5541786 Units: mg/L
Analysis Date: 07/11/2010 4:13 Analyst: NW
Preparation Date: 07/08/2010 15:00 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Surr: 1-Chlorooctane and Surr: o-Terphenyl.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Method Blank

Samples in Analytical Batch:

RunID: R_100708A-5535503 Units: ug/L
Analysis Date: 07/08/2010 11:23 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Lab Sample ID Client Sample ID
10070097-01A GSH 1
10070097-02A PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

- MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Method Blank

RunID: R_100708A-5535503 Units: ug/L
Analysis Date: 07/08/2010 11:23 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits (e.g., 5.0, 20, 25, 50).

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Method Blank

RunID: R_100708A-5535503 Units: ug/L
Analysis Date: 07/08/2010 11:23 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical analytes and their corresponding results (mostly ND) and reporting limits.

Laboratory Control Sample (LCS)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

RunID: R_100708A-5535506 Units: ug/L
Analysis Date: 07/08/2010 13:05 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Laboratory Control Sample (LCS)

RunID: R_100708A-5535506 Units: ug/L
Analysis Date: 07/08/2010 13:05 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Laboratory Control Sample (LCS)

RunID: R_100708A-5535506 Units: ug/L
Analysis Date: 07/08/2010 13:05 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Laboratory Control Sample (LCS)

RunID: R_100708A-5535506 Units: ug/L
Analysis Date: 07/08/2010 13:05 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include various chemical compounds like N-Nitrosomethylethylamine, N-Nitrosomorpholine, etc.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Sample Spiked: 10070005-01
RunID: R_100708A-5535511 Units: ug/L
Analysis Date: 07/08/2010 15:58 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various chemical compounds and their corresponding analysis results.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070005-01
RunID: R_100708A-5535511 Units: ug/L
Analysis Date: 07/08/2010 15:58 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various chemical compounds like 3-Methylcholanthrene, 3-Nitroaniline, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070005-01
RunID: R_100708A-5535511 Units: ug/L
Analysis Date: 07/08/2010 15:58 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Butyl benzyl phthalate, Caprolactam, Carbazole, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070005-01
RunID: R_100708A-5535511 Units: ug/L
Analysis Date: 07/08/2010 15:58 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Nitrobenzene, N-Nitrosodiethylamine, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070097
Lab Batch ID: 100822

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070005-01
RunID: R_100708A-5535511 Units: ug/L
Analysis Date: 07/08/2010 15:58 Analyst: GY
Preparation Date: 07/07/2010 10:34 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Surr: Phenol-d5 and Surr: Terphenyl-d14.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Method Blank

Samples in Analytical Batch:

RunID: N_100709B-5536698 Units: ug/L
Analysis Date: 07/09/2010 11:36 Analyst: LT

Lab Sample ID Client Sample ID
10070097-01B GSH 1
10070097-02B PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Method Blank

RunID: N_100709B-5536698 Units: ug/L
Analysis Date: 07/09/2010 11:36 Analyst: LT

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Method Blank

RunID: N_100709B-5536698 Units: ug/L
Analysis Date: 07/09/2010 11:36 Analyst: LT

Table with 3 columns: Analyte, Result, Rep Limit. Rows include Vinyl acetate, Vinyl chloride, cis-1,2-Dichloroethene, etc.

Laboratory Control Sample (LCS)

RunID: N_100709B-5536697 Units: ug/L
Analysis Date: 07/09/2010 10:34 Analyst: LT

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Laboratory Control Sample (LCS)

RunID: N_100709B-5536697 Units: ug/L
Analysis Date: 07/09/2010 10:34 Analyst: LT

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Laboratory Control Sample (LCS)

RunID: N_100709B-5536697 Units: ug/L
Analysis Date: 07/09/2010 10:34 Analyst: LT

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Laboratory Control Sample (LCS)

RunID: N_100709B-5536697 Units: ug/L
Analysis Date: 07/09/2010 10:34 Analyst: LT

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include Styrene, t-Butyl alcohol, tert-Amyl methyl ether, etc.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070138-02
RunID: N_100709B-5536702 Units: ug/L
Analysis Date: 07/09/2010 16:48 Analyst: LT

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
 Method: SW8260B

WorkOrder: 10070097
 Lab Batch ID: R304473

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit
1,1,1,2-Tetrachloroethane	ND	20	14.1	70.5	20	13.9	69.5	1.42	20	68	124
1,1,1-Trichloroethane	ND	20	16.0	80.2	20	15.5	77.4	3.54	20	69	123
1,1,2,2-Tetrachloroethane	ND	20	17.8	89.2	20	17.5	87.5	1.94	20	69	130
1,1,2-Trichloroethane	ND	20	17.0	84.9	20	16.9	84.6	0.313	20	75	126
1,1-Dichloroethane	ND	20	18.6	92.8	20	17.8	88.9	4.22	20	65	129
1,1-Dichloroethene	ND	20	18.6	92.8	20	17.3	86.5	7.03	22	61	139
1,1-Dichloropropene	ND	20	17.8	89.0	20	16.7	83.7	6.11	20	69	121
1,2,3-Trichlorobenzene	ND	20	14.9	74.7	20	14.3	71.5	4.43	20	53	127
1,2,3-Trichloropropane	ND	20	17.9	89.5	20	16.9	84.5	5.66	20	79	124
1,2,4-Trichlorobenzene	ND	20	15.4	77.0	20	15.0	74.9	2.76	20	58	118
1,2,4-Trimethylbenzene	ND	20	15.1	75.4	20	14.8	74.0	1.92	20	43	132
1,2-Dibromo-3-chloropropane	ND	20	14.6	73.2	20	14.7	73.7	0.713	20	46	131
1,2-Dibromoethane	ND	20	16.1	80.4	20	15.8	79.0	1.74	20	76	122
1,2-Dichlorobenzene	ND	20	15.6	78.0	20	15.1	75.7	3.01	20	74	110
1,2-Dichloroethane	ND	20	17.3	85.0	20	16.6	81.4	4.18	20	60	129
1,2-Dichloropropane	ND	20	17.3	86.5	20	16.9	84.3	2.54	20	76	116
1,3,5-Trimethylbenzene	ND	20	15.3	76.4	20	14.5	72.7	4.92	20	51	121
1,3-Butadiene	ND	20	13.8	68.8	20	12.4	61.9	10.5	20	10	181
1,3-Dichlorobenzene	ND	20	15.8	79.1	20	15.4	77.0	2.65	20	71	110
1,3-Dichloropropane	ND	20	16.8	84.2	20	16.5	82.5	2.05	20	80	119
1,4-Dichlorobenzene	ND	20	15.6	78.0	20	15.2	75.8	2.86	20	69	110
1,4-Dioxane	ND	800	602	75.2	800	603	75.4	0.264	20	10	196
2,2,4-Trimethylpentane	ND	20	18.4	92.2	20	17.4	86.9	5.90	20	48	133
2,2-Dichloropropane	ND	20	16.2	81.2	20	15.2	76.0	6.67	20	52	122
2-Butanone	ND	20	17.7	88.5	20	16.3	81.6	8.14	20	10	133
2-Chloroethyl vinyl ether	ND	20	0	0 *	20	0	0 *	0	20	10	182
2-Chlorotoluene	ND	20	15.8	78.9	20	15.1	75.5	4.38	20	69	112
2-Hexanone	ND	20	19.4	97.0	20	18.8	94.0	3.10	20	10	163
2-Nitropropane	ND	20	16.6	82.9	20	16.7	83.6	0.765	20	10	187
4-Chlorotoluene	ND	20	15.8	78.9	20	14.8	73.9	6.44	20	37	110
4-Isopropyltoluene	ND	20	15.7	78.5	20	14.9	74.7	4.95	20	65	116
4-Methyl-2-pentanone	ND	20	20.7	104	20	20.1	100	3.31	20	10	159
Acetone	ND	20	16.0	79.8	20	15.0	74.8	6.44	20	10	160
Acetonitrile	ND	200	191	95.6	200	184	91.8	4.13	20	10	200
Acrylonitrile	ND	20	19.5	97.4	20	18.4	92.0	5.67	20	45	155
Allyl chloride	ND	20	19.7	98.3	20	19.0	95.1	3.30	20	37	157
alpha-Methylstyrene	ND	20	15.0	75.0	20	14.0	69.8	7.17	20	10	142
Benzene	ND	20	16.5	82.0	20	16.0	79.5	3.12	22	70	124
Benzyl chloride	ND	100	60.4	59.6	100	58.0	57.2	4.04	20	10	200

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 J - Estimated Value Between MDL And PQL
 E - Estimated Value exceeds calibration curve
 N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
 TNTC - Too numerous to count
 MI - Matrix Interference
 D - Recovery Unreportable due to Dilution
 * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070138-02
RunID: N_100709B-5536702 Units: ug/L
Analysis Date: 07/09/2010 16:48 Analyst: LT

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Bromobenzene, Chlorobenzene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070138-02
RunID: N_100709B-5536702 Units: ug/L
Analysis Date: 07/09/2010 16:48 Analyst: LT

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Isopropylbenzene, Methyl acetate, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304473

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070138-02
RunID: N_100709B-5536702 Units: ug/L
Analysis Date: 07/09/2010 16:48 Analyst: LT

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Surr: 1,2-Dichloroethane-d4, Surr: 4-Bromofluorobenzene, and Surr: Toluene-d8.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304488

Method Blank

Samples in Analytical Batch:

RunID: MSDVOA3_100709B-5536870 Units: ug/L
Analysis Date: 07/09/2010 16:28 Analyst: LT

Lab Sample ID Client Sample ID
10070097-01B GSH 1
10070097-02B PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Rows include Freon-113, Methacrylonitrile, Tetrahydrofuran, and various surrogates.

Laboratory Control Sample (LCS)

RunID: MSDVOA3_100709B-55368 Units: ug/L
Analysis Date: 07/09/2010 15:30 Analyst: LT

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include Freon-113, Methacrylonitrile, Tetrahydrofuran, and various surrogates.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: H1007018701
RunID: MSDVOA3_100709B-55368 Units: ug/L
Analysis Date: 07/09/2010 19:51 Analyst: LT

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Freon-113 and Methacrylonitrile.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070097
Lab Batch ID: R304488

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: H1007018701
RunID: MSDVOA3_100709B-55368 Units: ug/L
Analysis Date: 07/09/2010 19:51 Analyst: LT

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Tetrahydrofuran, Surr: 1,2-Dichloroethane-d4, Surr: 4-Bromofluorobenzene, and Surr: Toluene-d8.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: pH - water
Method: SW9040C

WorkOrder: 10070097
Lab Batch ID: R304138

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Rows include 10070097-01D (GSH 1) and 10070097-02D (PEN1).

Laboratory Control Sample (LCS)

RunID: WET_100703F-5531917 Units: pH Units
Analysis Date: 07/03/2010 12:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row for pH shows values: 7.000, 7.050, 100.7, 98, 102.

Sample Duplicate

Original Sample: 10070097-01
RunID: WET_100703F-5531920 Units: pH Units
Analysis Date: 07/03/2010 16:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Rows for pH and Temperature (oC) show results and RPD values.

- Qualifiers: ND/U - Not Detected at the Reporting Limit, B - Analyte Detected In The Associated Method Blank, J - Estimated Value Between MDL And PQL, E - Estimated Value exceeds calibration curve, N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply, TNTC - Too numerous to count, MI - Matrix Interference, D - Recovery Unreportable due to Dilution, * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Chemical Oxygen Demand
Method: SM5220 C

WorkOrder: 10070097
Lab Batch ID: R304264

Method Blank

Samples in Analytical Batch:

RunID: WET_100707B-5533626 Units: mg/L
Analysis Date: 07/07/2010 11:00 Analyst: PAC

Lab Sample ID Client Sample ID
10070097-01H GSH 1
10070097-02H PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chemical Oxygen Demand, ND, 3.0

Laboratory Control Sample (LCS)

RunID: WET_100707B-5533628 Units: mg/L
Analysis Date: 07/07/2010 11:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chemical Oxygen Demand, 104.0, 101.3, 97.37, 85, 115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070142-01
RunID: WET_100707B-5533630 Units: mg/L
Analysis Date: 07/07/2010 11:00 Analyst: PAC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Row: Chemical Oxygen Demand, 37.97, 50, 81.01, 86.08, 50, 81.01, 86.08, 0, 10, 80, 120

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10070097
Lab Batch ID: R304319

Method Blank

Samples in Analytical Batch:

RunID: WET_100703G-5534565 Units: mg/L
Analysis Date: 07/03/2010 11:30 Analyst: PAC

Lab Sample ID Client Sample ID
10070097-01F GSH 1
10070097-02F PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_100703G-5534567 Units: mg/L
Analysis Date: 07/03/2010 11:30 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, 198.0, 191.3, 96.62, 83.7, 114

Sample Duplicate

Original Sample: 10070088-01
RunID: WET_100703G-5534568 Units: mg/L
Analysis Date: 07/03/2010 11:30 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, 3.03, 3.06, 0.985, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Carbonaceous Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10070097
Lab Batch ID: R304321

Method Blank

Samples in Analytical Batch:

RunID: WET_100703H-5534589 Units: mg/L
Analysis Date: 07/03/2010 11:30 Analyst: PAC

Lab Sample ID Client Sample ID
10070097-01G GSH 1
10070097-02G PEN1

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, Carbonaceous, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_100703H-5534591 Units: mg/L
Analysis Date: 07/03/2010 11:30 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, Carbonac, 198.0, 191.3, 96.62, 83.7, 114

Sample Duplicate

Original Sample: 10070097-01
RunID: WET_100703H-5534593 Units: mg/L
Analysis Date: 07/03/2010 16:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, Carbonac, 2.58, 2.59, 0.387, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Ignitability
Method: SW1010A

WorkOrder: 10070097
Lab Batch ID: R304742

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Rows include 10070097-01E (GSH 1) and 10070097-02E (PEN1).

Laboratory Control Sample (LCS)

RunID: WET_100715F-5540744 Units: °F
Analysis Date: 07/15/2010 13:00 Analyst: EB1

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row for Ignitability shows values: 81.00, 81.06, 100.1, 97.5, 102.5.

Sample Duplicate

Original Sample: 10070097-01
RunID: WET_100715F-5540757 Units: °F
Analysis Date: 07/15/2010 13:00 Analyst: EB1

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row for Ignitability shows values: 212, 212, 0, 20.

- Qualifiers: ND/U - Not Detected at the Reporting Limit, B - Analyte Detected In The Associated Method Blank, J - Estimated Value Between MDL And PQL, E - Estimated Value exceeds calibration curve, N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply, TNTC - Too numerous to count, MI - Matrix Interference, D - Recovery Unreportable due to Dilution, * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Sample Receipt Checklist

Workorder:	10070097	Received By:	BF
Date and Time Received:	7/3/2010 3:15:00 AM	Carrier name:	Client
Temperature:	4.5°C	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No Not Present
- 2. Custody seals intact on shipping container/cooler? Yes No Not Present
- 3. Custody seals intact on sample bottles? Yes No Not Present
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
 - 1) pH received outside method holding time. Should be immediately at the time of sampling
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
- 13. Water - Preservation checked upon receipt (except VOA*)? Yes No Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:

Contact Date & Time:

Client Name Contacted:

Non Conformance Issues:

Client Instructions:



SPL, Inc.
Analysis Request & Chain of Custody Record

Justin Sternberg@ecb.com

SPL Workorder No.

296464

10070097 page 1 of

Client Name: **ABC13/RHETT FARRELL**
 Address: **3310 BLISSONNET**
 City: **HOUSTON** State: **TX** Zip: **77085**
 Phone/Fax: **713 666-0713**
 Client Contact: **JUSTIN STERNBERG** Email: **JUSTIN.STERNBERG@ECB.COM**
 Project Name/No.: **GULF WATER ANALYSIS 256.0M**
 Site Name: **GULF SHORES**
 Site Location: **GULF SHORES, AL**
 Invoice To: **JUSTIN STERNBERG** Ph: **113 666-0713**

SAMPLE ID	DATE	TIME	comp	grab	matrix	bottle	size	pres.	Requested Analysis									
									Svoc	VOC	PH	PH						
GSH 1	7-2-10				W	A	1	1-HCl 2-HNO3 3-H2SO4 X=other	2	X								
GSH 2	7-2-10				W	V	40		3	X								
GSH 3	7-2-10				W	V	40		3		X							
GSH 4	7-2-10				W	P	16		1			X						
GSH 5	7-2-10				W	P	16		1				X					
GSH 6	7-2-10				W	P	X		1					X				
GSH 7	7-2-10				W	P	16		1						X			
GSH 8	7-2-10				W	P	X		1							X		
GSH 9	7-2-10				W	W	1		1									X

Client/Consultant Remarks: Laboratory remarks: Intact? Y N Ice? Y N Temp: Y N

Requested TAT
 1 Business Day Contract
 2 Business Days Standard
 3 Business Days
 Other

Rush TAT requires prior notice

Special Reporting Requirements Results: Fax Email PDF LA RECAP
 Standard QC Level 3 QC Level 4 QC TX TRRP TX TRRP LA RECAP
 1. Relinquished by Sampler: *Justin Sternberg* date *7/2/10*
 2. Received by: *Justin Sternberg* time *3:55*
 3. Relinquished by: *Justin Sternberg* date *7/2/10*
 4. Received by: *Justin Sternberg* time *3:55*
 5. Relinquished by: *Justin Sternberg* date *7/2/10*
 6. Received by Laboratory: *Justin Sternberg* time *3:55*

Special Detection Limits (specify): PM review (initial):

8880 Interchange Drive Houston, TX 77054 (713) 660-0901
 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



SPL, Inc.

justin.sternbergaabc.com

Analysis Request & Chain of Custody Record

SPL Workorder No.

296463

Client Name: ABC-13/RAEY FAZELL
 Address: 3310 BISSONNET
 City: HOUSTON State: TX Zip: 77005
 Phone/Fax: 713 666-0713
 Client Contact: JUSTIN STERNBERG Email: justin.sternbergaabc.com
 Project Name/No.: GULF WATER TREATMENT ANALYSIS
 Site Name: PENSACOLA
 Site Location: PENSACOLA, FL
 Invoice To: JUSTIN STERNBERG, ABC-13 Ph: 713 666 0713

page 1 of 1

SAMPLE ID	DATE	TIME	comp	grab	matrix		bottle size	pres.	Number of Containers	Requested Analysis																
					W=water	S=soil				O=oil	A=air	P=plastic	G=glass	V=vial	X=other	1=HCl	2=HNO3	3=H2SO4	X=other	PH	BOD	COD	CRD			
PEN 1	7-2-10			X		W	A	1		2																
PEN 2	7-2-10			X		W	V	40	1	3																
PEN 3	7-2-10			X		W	V	40	1	3																
PEN 4	7-2-10			X		W	P	16		1																
PEN 5	7-2-10			X		W	P	16		1																
PEN 6	7-2-10			X		W	P	X		1																
PEN 7	7-2-10			X		W	P	16		1																
PEN 8	7-2-10			X		W	P	X		1																
PEN 9	7-2-10			X		W	P	1		1																

Client/Consultant Remarks: _____ Laboratory remarks: _____ Intact? Y N Ice? Y N Temp: _____

Requested TAT

1 Business Day Contract
 2 Business Days Standard
 3 Business Days

Rush TAT requires prior notice

Special Reporting Requirements Results: Fax Email PDF LA RECAP
 Standard QC Level 3 QC Level 4 QC TX TRRP

1. Relinquished by Sampler: 7/2/10 date 5:10pm time
 2. Received by: [Signature]
 3. Relinquished by: 7/2/10 date 5:10pm time
 4. Received by:
 5. Relinquished by:
 6. Received by Laboratory:

8880 Interchange Drive Houston, TX 77054 (713) 660-0901
 500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775
 459 Hughes Drive Traverse City, MI 49686 (231) 947-5777



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

Certificate of Analysis Number:

10070363

Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street Houston Texas 77005- ph: (713) 578-2900 fax:	Project Name: ABC 13 Gulf Water Analysis Site: Galveston, TX Site Address: PO Number: State: Texas State Cert. No.: T104704205-10-4 Date Reported: 7/26/2010
--	---

This Report Contains A Total Of 40 Pages

Excluding This Page, Chain Of Custody

And

Any Attachments

7/26/2010

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Case Narrative for:
ABC 13

Certificate of Analysis Number:
10070363

<p>Report To: ABC 13 Justin Sternberg 3310 Bissonnet Street Houston Texas 77005- ph: (713) 578-2900 fax:</p>	<p>Project Name: ABC 13 Gulf Water Analysis Site: Galveston, TX Site Address: PO Number: State: Texas State Cert. No.: T104704205-10-4 Date Reported: 7/26/2010</p>
---	---

I. SAMPLE RECEIPT:

All samples were received intact. The internal ice chest temperatures were measured on receipt and are recorded on the attached Sample Receipt Checklist.

II: ANALYSIS AND EXCEPTIONS:

SW8260B Volatile Organics:

The results for 2-chloroethyl vinyl ether are estimated due to sample preservation. The result for this compound is reported as "ND J" for all samples in the report.

SW8270C Semivolatile Organics:

No exceptions noted.

TX1005 TPH:

No exceptions noted.

Wet Chemistry:

pH analysis was performed outside the analytical holding time. The analysis was performed as soon as possible after sample receipt.

III. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report (" mg/kg-dry " or " ug/kg-dry ").

Matrix Spike (MS) and Matrix Spike Duplicate (MSD) samples are chosen and tested at random from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. Since the MS and MSD are chosen at random from an analytical batch, the sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The Laboratory Control Sample (LCS) and the Method Blank (MB) are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

Some of the percent recoveries and RPD's on the QC report for the MS/MSD may be different than the calculated recoveries and RPD's using the sample result and the MS/MSD results that appear on the report because, the actual raw result is used to perform the calculations for percent recovery and RPD.

Any other exceptions associated with this report will be footnoted in the analytical result page(s) or the quality control summary page(s).

Please do not hesitate to contact us if you have any questions or comments pertaining to this data report. Please reference the above Certificate of

Sonia West

10070363 Page 1

7/26/2010

Sonia West
 Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

**Case Narrative for:
ABC 13**

**Certificate of Analysis Number:
10070363**

Analysis Number.

This report shall not be reproduced except in full, without the written approval of the laboratory. The reported results are only representative of the samples submitted for testing.

SPL, Inc. is pleased to be of service to you. We anticipate working with you in fulfilling all your current and future analytical needs.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or by his designee, as verified by the following signature.

A handwritten signature in blue ink that reads "Sonia West".

10070363 Page 2
7/26/2010

Sonia West
Senior Project Manager

Test results meet all requirements of NELAC, unless specified in the narrative.

Date



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

ABC 13

Certificate of Analysis Number:

10070363

Report To: ABC 13
 Justin Sternberg
 3310 Bissonnet Street

Houston
 Texas
 77005-
 ph: (713) 578-2900 fax:

Fax To:

Project Name: ABC 13 Gulf Water Analysis

Site: Galveston, TX

Site Address:

PO Number:

State: Texas

State Cert. No.: T104704205-10-4

Date Reported: 7/26/2010

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
GLV13	10070363-01	Water	07/14/2010 12:40	7/14/2010 3:17:00 PM	324689	<input type="checkbox"/>

Sonia West

Sonia West
 Senior Project Manager

7/26/2010

Date

Kesavalu M. Bagawandoss Ph.D., J.D.
 Laboratory Director

Ted Yen
 Quality Assurance Officer



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
BIOCHEMICAL OXYGEN DEMAND - 5 DAYS				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand	ND		2	1	07/14/10 16:30	PAC	5543550
CARBONACEOUS BIOCHEMICAL OXYGEN DEMAND - 5 DAY				MCL	SM5210 B	Units: mg/L	
Biochemical Oxygen Demand, Carbonaceous	ND		2	1	07/14/10 16:30	PAC	5543556
CHEMICAL OXYGEN DEMAND				MCL	SM5220 C	Units: mg/L	
Chemical Oxygen Demand	233		12	4	07/15/10 12:30	PAC	5540830
IGNITABILITY				MCL	SW1010A	Units: °F	
Ignitability	>212		70	1	07/19/10 14:00	EB1	5543698
OIL AND GREASE BY METHOD 1664				MCL	1664A	Units: mg/L	
Oil and Grease	ND		5	1	07/26/10 15:15	EAG	5548839

Prep Method	Prep Date	Prep Initials	Prep Factor
	07/26/2010 11:10		1.00

PH - WATER				MCL	SW9040C	Units: pH Units	
pH	8.28		0.1	1	07/14/10 16:15	PAC	5539892
Temperature (oC)	25.4		0.1	1	07/14/10 16:15	PAC	5539892

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
SEMIVOLATILE ORGANICS BY METHOD 8270C				MCL	SW8270C	Units: ug/L	
1,2,4,5-Tetrachlorobenzene	ND		10	1	07/16/10 12:00	GY	5543082
1,2,4-Trichlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
1,2-Dichlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
1,2-Diphenylhydrazine	ND		10	1	07/16/10 12:00	GY	5543082
1,3,5-Trinitrobenzene	ND		10	1	07/16/10 12:00	GY	5543082
1,3-Dichlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
1,3-Dinitrobenzene	ND		10	1	07/16/10 12:00	GY	5543082
1,4-Dichlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
1-Methylnaphthalene	ND		5	1	07/16/10 12:00	GY	5543082
2,3,4,6-Tetrachlorophenol	ND		10	1	07/16/10 12:00	GY	5543082
2,4,5-Trichlorophenol	ND		10	1	07/16/10 12:00	GY	5543082
2,4,6-Trichlorophenol	ND		5	1	07/16/10 12:00	GY	5543082
2,4-Dichlorophenol	ND		5	1	07/16/10 12:00	GY	5543082
2,4-Dimethylphenol	ND		5	1	07/16/10 12:00	GY	5543082
2,4-Dinitrophenol	ND		25	1	07/16/10 12:00	GY	5543082
2,4-Dinitrotoluene	ND		5	1	07/16/10 12:00	GY	5543082
2,6-Dichlorophenol	ND		50	1	07/16/10 12:00	GY	5543082
2,6-Dimethylphenol	ND		5	1	07/16/10 12:00	GY	5543082
2,6-Dinitrotoluene	ND		5	1	07/16/10 12:00	GY	5543082
2-Acetylaminofluorene	ND		10	1	07/16/10 12:00	GY	5543082
2-Chloronaphthalene	ND		5	1	07/16/10 12:00	GY	5543082
2-Chlorophenol	ND		5	1	07/16/10 12:00	GY	5543082
2-Methylnaphthalene	ND		5	1	07/16/10 12:00	GY	5543082
2-Nitroaniline	ND		25	1	07/16/10 12:00	GY	5543082
2-Nitrophenol	ND		5	1	07/16/10 12:00	GY	5543082
3,3'-Dichlorobenzidine	ND		10	1	07/16/10 12:00	GY	5543082
3-Nitroaniline	ND		25	1	07/16/10 12:00	GY	5543082
4,6-Dinitro-2-methylphenol	ND		25	1	07/16/10 12:00	GY	5543082
4-Chloro-3-methylphenol	ND		5	1	07/16/10 12:00	GY	5543082
4-Chloroaniline	ND		5	1	07/16/10 12:00	GY	5543082
4-Chlorophenyl phenyl ether	ND		5	1	07/16/10 12:00	GY	5543082
4-Nitroaniline	ND		25	1	07/16/10 12:00	GY	5543082
4-Nitrophenol	ND		25	1	07/16/10 12:00	GY	5543082
4-Nitroquinoline-1-oxide	ND		10	1	07/16/10 12:00	GY	5543082
Acenaphthene	ND		5	1	07/16/10 12:00	GY	5543082
Acenaphthylene	ND		5	1	07/16/10 12:00	GY	5543082
Acetophenone	ND		5	1	07/16/10 12:00	GY	5543082
Aniline	ND		5	1	07/16/10 12:00	GY	5543082
Anthracene	ND		5	1	07/16/10 12:00	GY	5543082

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Benz(a)anthracene	ND		5	1	07/16/10 12:00	GY	5543082
Benzidine	ND		20	1	07/16/10 12:00	GY	5543082
Benzo(a)pyrene	ND		5	1	07/16/10 12:00	GY	5543082
Benzo(b)fluoranthene	ND		5	1	07/16/10 12:00	GY	5543082
Benzo(g,h,i)perylene	ND		5	1	07/16/10 12:00	GY	5543082
Benzo(k)fluoranthene	ND		5	1	07/16/10 12:00	GY	5543082
Benzoic acid	ND		25	1	07/16/10 12:00	GY	5543082
Benzyl alcohol	ND		5	1	07/16/10 12:00	GY	5543082
Biphenyl	ND		50	1	07/16/10 12:00	GY	5543082
Bis(2-chloroethoxy)methane	ND		5	1	07/16/10 12:00	GY	5543082
Bis(2-chloroethyl)ether	ND		5	1	07/16/10 12:00	GY	5543082
Bis(2-chloroisopropyl)ether	ND		5	1	07/16/10 12:00	GY	5543082
Bis(2-ethylhexyl)phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Butyl benzyl phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Chrysene	ND		5	1	07/16/10 12:00	GY	5543082
Dibenz(a,h)acridine	ND		25	1	07/16/10 12:00	GY	5543082
Dibenz(a,h)anthracene	ND		5	1	07/16/10 12:00	GY	5543082
Dibenz(a,j)acridine	ND		5	1	07/16/10 12:00	GY	5543082
Dibenzofuran	ND		5	1	07/16/10 12:00	GY	5543082
Diethyl phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Dimethyl phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Di-n-butyl phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Di-n-octyl phthalate	ND		5	1	07/16/10 12:00	GY	5543082
Dinoseb	ND		10	1	07/16/10 12:00	GY	5543082
Diphenylamine	ND		10	1	07/16/10 12:00	GY	5543082
Fluoranthene	ND		5	1	07/16/10 12:00	GY	5543082
Fluorene	ND		5	1	07/16/10 12:00	GY	5543082
Hexachlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
Hexachlorobutadiene	ND		5	1	07/16/10 12:00	GY	5543082
Hexachlorocyclopentadiene	ND		5	1	07/16/10 12:00	GY	5543082
Hexachloroethane	ND		5	1	07/16/10 12:00	GY	5543082
Hexachloropropene	ND		5	1	07/16/10 12:00	GY	5543082
Indeno(1,2,3-cd)pyrene	ND		5	1	07/16/10 12:00	GY	5543082
Isophorone	ND		5	1	07/16/10 12:00	GY	5543082
Naphthalene	ND		5	1	07/16/10 12:00	GY	5543082
Nitrobenzene	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosodiethylamine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosodimethylamine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitroso-di-n-butylamine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosodi-n-propylamine	ND		5	1	07/16/10 12:00	GY	5543082

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
N-Nitrosodiphenylamine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosomethylethylamine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosomorpholine	ND		25	1	07/16/10 12:00	GY	5543082
N-Nitrosopiperidine	ND		5	1	07/16/10 12:00	GY	5543082
N-Nitrosopyrrolidine	ND		5	1	07/16/10 12:00	GY	5543082
Pentachlorobenzene	ND		5	1	07/16/10 12:00	GY	5543082
Pentachloroethane	ND		10	1	07/16/10 12:00	GY	5543082
Pentachlorophenol	ND		25	1	07/16/10 12:00	GY	5543082
Phenanthrene	ND		5	1	07/16/10 12:00	GY	5543082
Phenol	ND		5	1	07/16/10 12:00	GY	5543082
Pyrene	ND		5	1	07/16/10 12:00	GY	5543082
Pyridine	ND		5	1	07/16/10 12:00	GY	5543082
Quinoline	ND		50	1	07/16/10 12:00	GY	5543082
2-Methylphenol	ND		5	1	07/16/10 12:00	GY	5543082
3 & 4-Methylphenol	ND		5	1	07/16/10 12:00	GY	5543082
Cresols, Total	ND		5	1	07/16/10 12:00	GY	5543082
Surr: 2,4,6-Tribromophenol	96.2		% 25-154	1	07/16/10 12:00	GY	5543082
Surr: 2-Fluorobiphenyl	86.9		% 45-108	1	07/16/10 12:00	GY	5543082
Surr: 2-Fluorophenol	74.2		% 18-113	1	07/16/10 12:00	GY	5543082
Surr: Nitrobenzene-d5	89.9		% 41-113	1	07/16/10 12:00	GY	5543082
Surr: Phenol-d5	68.6		% 10-113	1	07/16/10 12:00	GY	5543082
Surr: Terphenyl-d14	98.0		% 43-122	1	07/16/10 12:00	GY	5543082

Prep Method	Prep Date	Prep Initials	Prep Factor
SW3510C	07/15/2010 14:49	N_M	1.00

TPH TEXAS 1005	MCL	TX1005	Units: mg/L
C6-C12	ND	4.9	1 07/22/10 2:59 NW 5546383
>C12-C28	ND	4.9	1 07/22/10 2:59 NW 5546383
>C28-C35	ND	4.9	1 07/22/10 2:59 NW 5546383
Total TPH (C6-C35)	ND	4.9	1 07/22/10 2:59 NW 5546383
Surr: 1-Chlorooctane	105	% 70-130	1 07/22/10 2:59 NW 5546383
Surr: o-Terphenyl	89.5	% 70-130	1 07/22/10 2:59 NW 5546383

Prep Method	Prep Date	Prep Initials	Prep Factor
TX1005	07/19/2010 12:15	LSB	0.98

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
VOLATILE ORGANICS BY METHOD 8260B				MCL	SW8260B	Units: ug/L	
1,1,1,2-Tetrachloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,1,1-Trichloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,1,2,2-Tetrachloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,1,2-Trichloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,1-Dichloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,1-Dichloroethene	ND		1	1	07/15/10 20:37	JC	5542288
1,1-Dichloropropene	ND		1	1	07/15/10 20:37	JC	5542288
1,2,3-Trichlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,2,3-Trichloropropane	ND		1	1	07/15/10 20:37	JC	5542288
1,2,4-Trichlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,2,4-Trimethylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,2-Dibromo-3-chloropropane	ND		5	1	07/15/10 20:37	JC	5542288
1,2-Dibromoethane	ND		1	1	07/15/10 20:37	JC	5542288
1,2-Dichlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,2-Dichloroethane	ND		1	1	07/15/10 20:37	JC	5542288
1,2-Dichloropropane	ND		1	1	07/15/10 20:37	JC	5542288
1,3,5-Trimethylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,3-Butadiene	ND		1	1	07/15/10 20:37	JC	5542288
1,3-Dichlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,3-Dichloropropane	ND		1	1	07/15/10 20:37	JC	5542288
1,4-Dichlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
1,4-Dioxane	ND		50	1	07/15/10 20:37	JC	5542288
2,2,4-Trimethylpentane	ND		1	1	07/15/10 20:37	JC	5542288
2,2-Dichloropropane	ND		1	1	07/15/10 20:37	JC	5542288
2-Butanone	ND		12	1	07/15/10 20:37	JC	5542288
2-Chloroethyl vinyl ether	ND J		5	1	07/15/10 20:37	JC	5542288
2-Chlorotoluene	ND		1	1	07/15/10 20:37	JC	5542288
2-Hexanone	ND		12	1	07/15/10 20:37	JC	5542288
2-Nitropropane	ND		5	1	07/15/10 20:37	JC	5542288
4-Chlorotoluene	ND		1	1	07/15/10 20:37	JC	5542288
4-Isopropyltoluene	ND		1	1	07/15/10 20:37	JC	5542288
4-Methyl-2-pentanone	ND		12	1	07/15/10 20:37	JC	5542288
Acetone	ND		12	1	07/15/10 20:37	JC	5542288
Acetonitrile	ND		25	1	07/15/10 20:37	JC	5542288
Acrylonitrile	ND		5	1	07/15/10 20:37	JC	5542288
Allyl chloride	ND		1	1	07/15/10 20:37	JC	5542288
alpha-Methylstyrene	ND		1	1	07/15/10 20:37	JC	5542288
Benzene	ND		1	1	07/15/10 20:37	JC	5542288
Benzyl chloride	ND		5	1	07/15/10 20:37	JC	5542288

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference



HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Bromobenzene	ND		1	1	07/15/10 20:37	JC	5542288
Bromochloromethane	ND		1	1	07/15/10 20:37	JC	5542288
Bromodichloromethane	ND		1	1	07/15/10 20:37	JC	5542288
Bromoform	ND		1	1	07/15/10 20:37	JC	5542288
Bromomethane	ND		1	1	07/15/10 20:37	JC	5542288
Butyl Acetate	ND		1	1	07/15/10 20:37	JC	5542288
Carbon disulfide	ND		5	1	07/15/10 20:37	JC	5542288
Carbon tetrachloride	ND		1	1	07/15/10 20:37	JC	5542288
Chlorobenzene	ND		1	1	07/15/10 20:37	JC	5542288
Chloroethane	ND		1	1	07/15/10 20:37	JC	5542288
Chloroform	ND		1	1	07/15/10 20:37	JC	5542288
Chloromethane	ND		1	1	07/15/10 20:37	JC	5542288
Chloroprene	ND		1	1	07/15/10 20:37	JC	5542288
Crotonaldehyde	ND		25	1	07/15/10 20:37	JC	5542288
Cyclohexane	ND		1	1	07/15/10 20:37	JC	5542288
Cyclohexanone	ND		25	1	07/15/10 20:37	JC	5542288
Dibromochloromethane	ND		1	1	07/15/10 20:37	JC	5542288
Dibromomethane	ND		1	1	07/15/10 20:37	JC	5542288
Dichlorodifluoromethane	ND		1	1	07/15/10 20:37	JC	5542288
Dicyclopentadiene	ND		1	1	07/15/10 20:37	JC	5542288
Diisopropyl Ether	ND		1	1	07/15/10 20:37	JC	5542288
Epichlorohydrin	ND		25	1	07/15/10 20:37	JC	5542288
Ethyl Acetate	ND		5	1	07/15/10 20:37	JC	5542288
Ethyl Cyanide	ND		5	1	07/15/10 20:37	JC	5542288
Ethyl Ether	ND		1	1	07/15/10 20:37	JC	5542288
Ethyl methacrylate	ND		1	1	07/15/10 20:37	JC	5542288
Ethylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
Ethylene oxide	ND		25	1	07/15/10 20:37	JC	5542288
Freon-113	ND		5	1	07/15/10 20:37	JC	5542288
Hexachlorobutadiene	ND		1	1	07/15/10 20:37	JC	5542288
Hexane	ND		1	1	07/15/10 20:37	JC	5542288
Iodomethane	ND		1	1	07/15/10 20:37	JC	5542288
Isobutyl alcohol	ND		50	1	07/15/10 20:37	JC	5542288
Isopropylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
Methacrylonitrile	ND		1	1	07/15/10 20:37	JC	5542288
Methyl acetate	ND		5	1	07/15/10 20:37	JC	5542288
Methyl methacrylate	ND		1	1	07/15/10 20:37	JC	5542288
Methyl tert-butyl ether	ND		1	1	07/15/10 20:37	JC	5542288
Methylcyclohexane	ND		1	1	07/15/10 20:37	JC	5542288
Methylene chloride	ND		1	1	07/15/10 20:37	JC	5542288

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
* - Surrogate Recovery Outside Advisable QC Limits
J - Estimated value between MDL and PQL
E - Estimated Value exceeds calibration curve
TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
D - Surrogate Recovery Unreportable due to Dilution
MI - Matrix Interference



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Client Sample ID:GLV13

Collected: 07/14/2010 12:40

SPL Sample ID: 10070363-01

Site: Galveston, TX

Analyses/Method	Result	QUAL	Rep.Limit	Dil. Factor	Date Analyzed	Analyst	Seq. #
Naphthalene	ND		1	1	07/15/10 20:37	JC	5542288
n-Butylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
n-Propylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
p-Diethylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
sec-Butylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
Styrene	ND		1	1	07/15/10 20:37	JC	5542288
t-Butyl alcohol	ND		25	1	07/15/10 20:37	JC	5542288
tert-Amyl methyl ether	ND		1	1	07/15/10 20:37	JC	5542288
tert-Butyl ethyl ether	ND		1	1	07/15/10 20:37	JC	5542288
tert-Butylbenzene	ND		1	1	07/15/10 20:37	JC	5542288
Tetrachloroethene	ND		1	1	07/15/10 20:37	JC	5542288
Tetrahydrofuran	ND		1	1	07/15/10 20:37	JC	5542288
Toluene	ND		1	1	07/15/10 20:37	JC	5542288
trans-1,4-Dichloro-2-Butene	ND		25	1	07/15/10 20:37	JC	5542288
Trichloroethene	ND		1	1	07/15/10 20:37	JC	5542288
Trichlorofluoromethane	ND		1	1	07/15/10 20:37	JC	5542288
Vinyl acetate	ND		1	1	07/15/10 20:37	JC	5542288
Vinyl chloride	ND		1	1	07/15/10 20:37	JC	5542288
cis-1,2-Dichloroethene	ND		1	1	07/15/10 20:37	JC	5542288
cis-1,3-Dichloropropene	ND		1	1	07/15/10 20:37	JC	5542288
m,p-Xylene	ND		2	1	07/15/10 20:37	JC	5542288
o-Xylene	ND		1	1	07/15/10 20:37	JC	5542288
trans-1,2-Dichloroethene	ND		1	1	07/15/10 20:37	JC	5542288
trans-1,3-Dichloropropene	ND		1	1	07/15/10 20:37	JC	5542288
1,2-Dichloroethene (total)	ND		1	1	07/15/10 20:37	JC	5542288
Xylenes, Total	ND		1	1	07/15/10 20:37	JC	5542288
1,3-Dichloropropene, Total	ND		1	1	07/15/10 20:37	JC	5542288
Surr: 1,2-Dichloroethane-d4	105		% 70-130	1	07/15/10 20:37	JC	5542288
Surr: 4-Bromofluorobenzene	94.4		% 74-125	1	07/15/10 20:37	JC	5542288
Surr: Toluene-d8	91.3		% 82-118	1	07/15/10 20:37	JC	5542288

Qualifiers: ND/U - Not Detected at the Reporting Limit
 B - Analyte Detected In The Associated Method Blank
 * - Surrogate Recovery Outside Advisable QC Limits
 J - Estimated value between MDL and PQL
 E - Estimated Value exceeds calibration curve
 TNTC - Too numerous to count

>MCL - Result Over Maximum Contamination Limit(MCL)
 D - Surrogate Recovery Unreportable due to Dilution
 MI - Matrix Interference

Quality Control Documentation



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Oil and Grease by Method 1664
Method: 1664A

WorkOrder: 10070363
Lab Batch ID: R305270

Method Blank

Samples in Analytical Batch:

RunID: EX_100726B-5548835 Units: mg/L
Analysis Date: 07/26/2010 15:15 Analyst: EAG
Preparation Date: 07/26/2010 11:10 Prep By: Method:

Lab Sample ID Client Sample ID
10070363-011 GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Row: Oil and Grease, ND, 5.0

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: EX_100726B-5548836 Units: mg/L
Analysis Date: 07/26/2010 15:15 Analyst: EAG
Preparation Date: 07/26/2010 11:10 Prep By: Method:

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Row: Oil and Grease, 40.0, 39.1, 97.8, 40.0, 38.8, 97.0, 0.8, 18, 78, 114

Matrix Spike (MS)

Sample Spiked: H1007041900
RunID: EX_100726B-5548843 Units: mg/L
Analysis Date: 07/26/2010 15:15 Analyst: EAG
Preparation Date: 07/26/2010 11:10 Prep By: Method:

Table with 7 columns: Analyte, Sample Result, Spike Added, MS Result, MS % Recovery, Low Limit, High Limit. Row: Oil and Grease, 14.6, 40, 46.6, 80.0, 78, 114

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10070363
Lab Batch ID: 101011

Method Blank

Samples in Analytical Batch:

RunID: HP_B_100722C-5546382 Units: mg/L
Analysis Date: 07/22/2010 2:27 Analyst: NW
Preparation Date: 07/19/2010 12:15 Prep By: LSB Method: TX1005

Lab Sample ID 10070363-01C
Client Sample ID GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Rows include >C12-C28, >C28-C35, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)

RunID: HP_B_100722C-5546405 Units: mg/L
Analysis Date: 07/22/2010 13:17 Analyst: NW
Preparation Date: 07/19/2010 12:15 Prep By: LSB Method: TX1005

Table with 11 columns: Analyte, LCS Spike Added, LCS Result, LCS Percent Recovery, LCSD Spike Added, LCSD Result, LCSD Percent Recovery, RPD, RPD Limit, Lower Limit, Upper Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35), Surr: 1-Chlorooctane, Surr: o-Terphenyl.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070363-01
RunID: HP_B_100722C-5546384 Units: mg/L
Analysis Date: 07/22/2010 3:10 Analyst: NW
Preparation Date: 07/19/2010 12:15 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include >C12-C28, C6-C12, Total TPH (C6-C35).

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: TPH Texas 1005
Method: TX1005

WorkOrder: 10070363
Lab Batch ID: 101011

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070363-01
RunID: HP_B_100722C-5546384 Units: mg/L
Analysis Date: 07/22/2010 3:10 Analyst: NW
Preparation Date: 07/19/2010 12:15 Prep By: LSB Method: TX1005

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include Surr: 1-Chlorooctane and Surr: o-Terphenyl.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Method Blank

Samples in Analytical Batch:

RunID: P_100715C-5541419 Units: ug/L
Analysis Date: 07/15/2010 16:55 Analyst: GY

Lab Sample ID: 10070363-01A
Client Sample ID: GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Method Blank

RunID: P_100715C-5541419 Units: ug/L
Analysis Date: 07/15/2010 16:55 Analyst: GY

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Method Blank

RunID: P_100715C-5541419 Units: ug/L
Analysis Date: 07/15/2010 16:55 Analyst: GY

Table with 3 columns: Analyte, Result, Rep Limit. Rows include 2-Methylphenol, 3 & 4-Methylphenol, Cresols, Total, and various Surr: (Surrogate) compounds.

Laboratory Control Sample (LCS)

RunID: P_100715C-5541420 Units: ug/L
Analysis Date: 07/15/2010 17:28 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows list various chlorinated and nitro-substituted benzene and phenol compounds.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Laboratory Control Sample (LCS)

RunID: P_100715C-5541420 Units: ug/L
Analysis Date: 07/15/2010 17:28 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Laboratory Control Sample (LCS)

RunID: P_100715C-5541420 Units: ug/L
Analysis Date: 07/15/2010 17:28 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Laboratory Control Sample (LCS)

RunID: P_100715C-5541420 Units: ug/L
Analysis Date: 07/15/2010 17:28 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include Pentachlorophenol, Phenanthrene, Phenol, Pyrene, Pyridine, Quinoline, 2-Methylphenol, 3 & 4-Methylphenol, Cresols, Total, and various Surr: (Surrogate) compounds.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070388-02
RunID: P_100715C-5541424 Units: ug/L
Analysis Date: 07/15/2010 19:37 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various benzene and chlorobenzene derivatives.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070388-02
RunID: P_100715C-5541424 Units: ug/L
Analysis Date: 07/15/2010 19:37 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various chemical compounds and their corresponding analysis results.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070388-02
RunID: P_100715C-5541424 Units: ug/L
Analysis Date: 07/15/2010 19:37 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Benz(a)anthracene, Benzidine, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Semivolatile Organics by Method 8270C
Method: SW8270C

WorkOrder: 10070363
Lab Batch ID: 100957

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070388-02
RunID: P_100715C-5541424 Units: ug/L
Analysis Date: 07/15/2010 19:37 Analyst: GY
Preparation Date: 07/15/2010 14:49 Prep By: N_M Method: SW3510C

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Indeno(1,2,3-cd)pyrene, Isophorone, Naphthalene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Method Blank

Samples in Analytical Batch:

RunID: Q_100715C-5542284 Units: ug/L
Analysis Date: 07/15/2010 13:59 Analyst: JC

Lab Sample ID Client Sample ID
10070363-01B GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

- MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Method Blank

RunID: Q_100715C-5542284 Units: ug/L
Analysis Date: 07/15/2010 13:59 Analyst: JC

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Method Blank

RunID: Q_100715C-5542284 Units: ug/L
Analysis Date: 07/15/2010 13:59 Analyst: JC

Table with 3 columns: Analyte, Result, Rep Limit. Lists various chemical compounds and their detection results (ND) and reporting limits.

Laboratory Control Sample (LCS)

RunID: Q_100715C-5542283 Units: ug/L
Analysis Date: 07/15/2010 13:31 Analyst: JC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Shows recovery data for various chemical compounds.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Laboratory Control Sample (LCS)

RunID: Q_100715C-5542283 Units: ug/L
Analysis Date: 07/15/2010 13:31 Analyst: JC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit MI - Matrix Interference
B - Analyte Detected In The Associated Method Blank D - Recovery Unreportable due to Dilution
J - Estimated Value Between MDL And PQL * - Recovery Outside Advisable QC Limits
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Laboratory Control Sample (LCS)

RunID: Q_100715C-5542283 Units: ug/L
Analysis Date: 07/15/2010 13:31 Analyst: JC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Lists various chemical compounds and their corresponding values.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Laboratory Control Sample (LCS)

RunID: Q_100715C-5542283 Units: ug/L
Analysis Date: 07/15/2010 13:31 Analyst: JC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Rows include various chemical compounds like n-Butylbenzene, Styrene, Toluene, etc.

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Sample Spiked: 10070368-11
RunID: Q_100715C-5542286 Units: ug/L
Analysis Date: 07/15/2010 15:29 Analyst: JC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows list various chemical compounds and their corresponding analysis results.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070368-11
RunID: Q_100715C-5542286 Units: ug/L
Analysis Date: 07/15/2010 15:29 Analyst: JC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Acetonitrile, Benzene, Chlorobenzene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070368-11
RunID: Q_100715C-5542286 Units: ug/L
Analysis Date: 07/15/2010 15:29 Analyst: JC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical compounds like Ethylbenzene, Ethylene oxide, Freon-113, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Volatile Organics by Method 8260B
Method: SW8260B

WorkOrder: 10070363
Lab Batch ID: R304865

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070368-11
RunID: Q_100715C-5542286 Units: ug/L
Analysis Date: 07/15/2010 15:29 Analyst: JC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Rows include various chemical analytes like cis-1,2-Dichloroethene, m,p-Xylene, etc.

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: pH - water
Method: SW9040C

WorkOrder: 10070363
Lab Batch ID: R304687

Samples in Analytical Batch:

Table with 2 columns: Lab Sample ID, Client Sample ID. Row 1: 10070363-01D, GLV13

Laboratory Control Sample (LCS)

RunID: WET_100714N-5539890 Units: pH Units
Analysis Date: 07/14/2010 16:15 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row 1: pH, 7.000, 7.050, 100.7, 98, 102

Sample Duplicate

Original Sample: 10070363-01
RunID: WET_100714N-5539892 Units: pH Units
Analysis Date: 07/14/2010 16:15 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Rows: pH (8.28, 8.26, 0.242, 5), Temperature (oC) (25.4, 25.4, 0, 5)

- Qualifiers: ND/U - Not Detected at the Reporting Limit, B - Analyte Detected In The Associated Method Blank, J - Estimated Value Between MDL And PQL, E - Estimated Value exceeds calibration curve, N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply, TNTC - Too numerous to count, MI - Matrix Interference, D - Recovery Unreportable due to Dilution, * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Chemical Oxygen Demand
Method: SM5220 C

WorkOrder: 10070363
Lab Batch ID: R304745

Method Blank

Samples in Analytical Batch:

RunID: WET_100715G-5540820 Units: mg/L
Analysis Date: 07/15/2010 12:30 Analyst: PAC

Lab Sample ID: 10070363-01H
Client Sample ID: GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Row: Chemical Oxygen Demand, ND, 3.0

Laboratory Control Sample (LCS)

RunID: WET_100715G-5540824 Units: mg/L
Analysis Date: 07/15/2010 12:30 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Chemical Oxygen Demand, 104.0, 101.3, 97.40, 85, 115

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 10070350-01
RunID: WET_100715G-5540828 Units: mg/L
Analysis Date: 07/15/2010 12:30 Analyst: PAC

Table with 12 columns: Analyte, Sample Result, MS Spike Added, MS Result, MS % Recovery, MSD Spike Added, MSD Result, MSD % Recovery, RPD, RPD Limit, Low Limit, High Limit. Row: Chemical Oxygen Demand, 43.04, 50, 86.07, 86.06, 50, 86.07, 86.06, 0, 10, 80, 120

Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10070363
Lab Batch ID: R304932

Method Blank

Samples in Analytical Batch:

RunID: WET_100714X-5543545 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Lab Sample ID Client Sample ID
10070363-01F GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_100714X-5543547 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, 198.0, 188.3, 95.10, 83.7, 114

Sample Duplicate

Original Sample: 10070338-01
RunID: WET_100714X-5543548 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, ND, ND, 0, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13

ABC 13 Gulf Water Analysis

Analysis: Carbonaceous Biochemical Oxygen Demand - 5 Days
Method: SM5210 B

WorkOrder: 10070363
Lab Batch ID: R304933

Method Blank

Samples in Analytical Batch:

RunID: WET_100714Y-5543551 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Lab Sample ID Client Sample ID
10070363-01G GLV13

Table with 3 columns: Analyte, Result, Rep Limit. Row: Biochemical Oxygen Demand, Carbonaceous, ND, 2.0

Laboratory Control Sample (LCS)

RunID: WET_100714Y-5543553 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row: Biochemical Oxygen Demand, Carbonac, 198.0, 188.3, 95.10, 83.7, 114

Sample Duplicate

Original Sample: 10070338-01
RunID: WET_100714Y-5543554 Units: mg/L
Analysis Date: 07/14/2010 11:00 Analyst: PAC

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row: Biochemical Oxygen Demand, Carbonac, ND, ND, 0, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit, B - Analyte Detected In The Associated Method Blank, J - Estimated Value Between MDL And PQL, E - Estimated Value exceeds calibration curve, N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply, TNTC - Too numerous to count, MI - Matrix Interference, D - Recovery Unreportable due to Dilution, * - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.



Quality Control Report

HOUSTON LABORATORY
8880 INTERCHANGE DRIVE
HOUSTON, TX 77054
(713) 660-0901

ABC 13
ABC 13 Gulf Water Analysis

Analysis: Ignitability
Method: SW1010A

WorkOrder: 10070363
Lab Batch ID: R304942

Samples in Analytical Batch:

Lab Sample ID Client Sample ID
10070363-01E GLV13

Laboratory Control Sample (LCS)

RunID: WET_100719K-5543696 Units: °F
Analysis Date: 07/19/2010 14:00 Analyst: EB1

Table with 6 columns: Analyte, Spike Added, Result, Percent Recovery, Lower Limit, Upper Limit. Row 1: Ignitability, 81.00, 81.06, 100.1, 97.5, 102.5

Sample Duplicate

Original Sample: 10070363-01
RunID: WET_100719K-5543698 Units: °F
Analysis Date: 07/19/2010 14:00 Analyst: EB1

Table with 5 columns: Analyte, Sample Result, DUP Result, RPD, RPD Limit. Row 1: Ignitability, 212, 212, 0, 20

- Qualifiers: ND/U - Not Detected at the Reporting Limit
B - Analyte Detected In The Associated Method Blank
J - Estimated Value Between MDL And PQL
E - Estimated Value exceeds calibration curve
N/C - Not Calculated - Sample concentration is greater than 4 times the amount of spike added. Control limits do not apply.
TNTC - Too numerous to count
MI - Matrix Interference
D - Recovery Unreportable due to Dilution
* - Recovery Outside Advisable QC Limits

QC results presented on the QC Summary Report have been rounded. RPD and percent recovery values calculated by the SPL LIMS system are derived from QC data prior to the application of rounding rules.

*Sample Receipt Checklist
And
Chain of Custody*



HOUSTON LABORATORY
 8880 INTERCHANGE DRIVE
 HOUSTON, TX 77054
 (713) 660-0901

Sample Receipt Checklist

Workorder:	10070363	Received By:	T_B
Date and Time Received:	7/14/2010 3:17:00 PM	Carrier name:	Client
Temperature:	4.2°C	Chilled by:	Water Ice

- 1. Shipping container/cooler in good condition? Yes No Not Present
- 2. Custody seals intact on shipping container/cooler? Yes No Not Present
- 3. Custody seals intact on sample bottles? Yes No Not Present
- 4. Chain of custody present? Yes No
- 5. Chain of custody signed when relinquished and received? Yes No
- 6. Chain of custody agrees with sample labels? Yes No
- 7. Samples in proper container/bottle? Yes No
- 8. Sample containers intact? Yes No
- 9. Sufficient sample volume for indicated test? Yes No
- 10. All samples received within holding time? Yes No
- 11. Container/Temp Blank temperature in compliance? Yes No
- 12. Water - VOA vials have zero headspace? Yes No VOA Vials Not Present
- 13. Water - Preservation checked upon receipt (except VOA*)? Yes No Not Applicable

*VOA Preservation Checked After Sample Analysis

SPL Representative:	<input type="text"/>	Contact Date & Time:	<input type="text"/>
Client Name Contacted:	<input type="text"/>		
Non Conformance Issues:	<input type="text"/>		
Client Instructions:	<input type="text"/>		



SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No.

324689

Client Name: ABC 13 KTEK
 Address: 3310 Bissonnet St
 City: Houston State: TX Zip: 77005
 Phone/Fax: 713-578-2900
 Client Contact: Justin Sternberg
 Project Name/No.: ABC 13 Gulf Water Analysis
 Site Name: Galveston TX 640
 Site Location: ABC 13 East Beach, Pelletto Beach, 51st Beach
 Invoice To: Justin Sternberg
 Ph: 713-578-2900

matrix	bottle	size	pres.	Requested Analysis						
W=water S=soil O=oil A=air SL=sludge F=encore X=other	P=plastic A=amber glass G=glass V=vial X=other	1=liter 4=4oz 40=vial 8=8oz 16=1oz X=other	1=HCl 2=HNO3 3=H2SO4 X=other	Number of Containers	SVOC	VOC	TPH	TH	BOD	COD
W	A	1		2	X					
W	V	40	1	1		X				
W	V	40	1	1			X			
W	P	14	1	1						
W	P	14	1	1				X		
W	P	X	1	1					X	
W	P	X	1	1					X	
W	A	14	3	1						X
W	A	1	1	1						X

SAMPLE ID	DATE	TIME	comp	grab
GLV13	7/19/10	12:40 pm	X	

Client/Consultant Remarks: Laboratory remarks: Intact? Ice? Temp: PM review (initial):

Please CC RH Farrell @ Ecocorp @ Serv.com

Special Reporting Requirements Results: Fax Email PDF LA RECAP

Standard QC Level 3 QC Level 4 QC TX TRRP

1. Relinquished by Sampler: date 14/10 time 3:17

3. Relinquished by: date 11/14/10 time 12:17

5. Relinquished by: date 11/14/10 time 12:17

2. Received by: date 14/10 time 3:17

4. Received by: date 11/14/10 time 12:17

6. Received by Laboratory: date 11/14/10 time 12:17

Requested TAT: 1 Business Day Contract 2 Business Days Standard 3 Business Days Other

Rush TAT requires prior notice

8880 Interchange Drive Houston, TX 77054 (713) 660-0901

500 Ambassador Caffery Parkway Scott, LA 70583 (337) 237-4775

459 Hughes Drive Traverse City, MI 49686 (231) 947-5777